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Jun 15 2022

Evaluation, Measurement, and Verification Report for Virginia Electric and Power Company (Dominion Energy)

Case No. PUR-2020-00274 (Virginia)
Docket No. E-22 Sub 604 (North Carolina)

PUBLIC VERSION
VOLUME 5 OF 5

Date: June 15, 2022
Prepared by DNV Energy Insights USA Inc. (DNV)

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Appendices K and L Program Performance Indicator Tables for Virginia and North Carolina

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PROGRAM PERFORMANCES INDICATOR TABLES FOR VIRGINIA

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K.1 Virginia Residential Appliance Recycling Program (DSM Phase VII) 2019–2021

K.1.1 2019–2021 Virginia Residential Appliance Recycling Program (DSM Phase VII) Annual Indicator Tables

VA - Residential Appliance Recycling Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$13,009	$24,834	$10,451	$48,293
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$384,884	$473,111	$222,880	$1,080,875
Costs ($)		Planned	$1,094,670	$1,828,534	$1,784,868	$4,708,072
Costs ($)		Variance	-$709,785	-$1,355,423	-$1,561,988	-$3,627,196
		Annual % of Planned	35%	26%	12%	23%
Participants[1]		Total (Gross)	1,579	972	0	2,551
		Planned	5,225	8,927	8,930	23,082
		Variance	-3,646	-7,955	-8,930	-20,531
		Annual % of Planned (Gross)	30%	11%	0%	11%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,255,513	868,091	0	2,123,604
		Realization Rate Weighted by Measure	100%	100%	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	1,255,513	868,091	0	2,123,604
		Net-To-Gross Rate Weighted by Measure	60%	60%	N/A	60%
		Net-To-Gross Adjustment (kWh/yr)	-502,205	-347,237	0	-849,442
		Net Adjusted Savings (kWh/yr)	753,308	520,855	0	1,274,163
		Planned Net Savings (kWh/yr)	644,850	6,269,479	4,201,800	11,116,129
		Annual % Toward Planned Net Savings	116.8%	8.31%	0%	11.5%
		Avg. Gross Savings Per Participant (kWh/yr)	795	893	N/A	832
		Avg. Net Savings Per Participant (kWh/yr)	477	536	N/A	499
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	187.9	129.9	0.0	317.9
		Realization Rate Weighted by Measure	100%	100%	N/A	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	187.9	129.9	0.0	317.9
		Net-To-Gross Rate Weighted by Measure	60%	60%	N/A	60%
		Net-To-Gross Adjustment (kW)	-75.2	-52.0	0.0	-127.1
		Net Adjusted Demand Reduction (kW)	112.8	78.0	0.0	190.7
		Planned Net Savings (kW)	0.0	977.3	479.6	1,457.0
		Annual % Toward Planned Net Reduction	N/A	7.98%	0%	13.1%
		Avg. Gross Demand Reduction Per Participant (kW)	0.1	0.1	N/A	0.1
		Avg. Net Demand Reduction Per Participant (kW)	0.07	0.08	N/A	0.07
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	977.3	479.6	1,457.0
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	N/A	0.0
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	N/A	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	$8	$26	N/A	$19
		Annual $Admin. per kWh/year (Gross)	$0.01	$0.03	N/A	$0.02
		Annual $Admin. per kW (Gross)	$69	$191	N/A	$152
		Annual $EM&V per $Total	7.3%	10.8%	32.1%	13.9%

1. A participant is a recycled refrigerator or freezer. Up to two units may be recycled for each electric account number and each unit will be counted as a unique participant.

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K.1.2 2021 Virginia Residential Appliance Recycling Program (DSM Phase VII) Monthly Indicator Tables

VA - Residential Appliance Recycling Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,810	$1,212	$638	$117	-$2,062	$1,802	$1,738	$224	$248	$223	$2,990	$1,512	**$10,451**	**$48,293**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$38,600	$25,842	$13,602	$2,492	-$43,975	$38,425	$37,064	$4,770	$5,282	$4,752	$63,774	$32,253	**$222,880**	**$1,080,875**
Costs ($)		Planned	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	$148,739	**$1,784,868**	**$4,708,072**
Costs ($)		Variance	-$110,139	-$122,897	-$135,137	-$146,247	-$192,714	-$110,315	-$111,675	-$143,969	-$143,457	-$143,987	-$84,965	-$116,486	**-$1,561,988**	**-$3,627,196**
		Annual % of Planned	2%	4%	4%	5%	2%	4%	6%	7%	7%	7%	11%	12%	**12%**	**23%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**2,551**
		Planned	746	744	744	744	744	744	744	744	744	744	744	744	**8,930**	**23,082**
		Variance	-746	-744	-744	-744	-744	-744	-744	-744	-744	-744	-744	-744	**-8,930**	**-20,531**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**11%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**2,123,604**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**2,123,604**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**60%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**-849,442**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**1,274,163**
		Planned Net Savings (kWh/yr)	351,013	350,072	350,072	350,072	350,072	350,072	350,072	350,072	350,072	350,072	350,072	350,072	**4,201,800**	**11,116,129**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**11.5%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**832**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**499**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**317.9**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**317.9**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**60%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**-127.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**190.7**
		Planned Net Savings (kW)	40.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	**479.6**	**1,457.0**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**13.1%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**0.1**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**0.07**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	40.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	**479.6**	**1,457.0**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$19**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$0.02**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$152**
		Annual $EM&V per $Total	30.6%	18.4%	26.6%	25.8%	56.8%	76.0%	54.8%	54.6%	54.4%	55.2%	36.8%	32.1%	**32.1%**	**13.9%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$20**

1. A participant is a recycled refrigerator or freezer. Up to two units may be recycled for each electric account number and each unit will be counted as a unique participant.

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K.1.3 2019–2021 Virginia Residential Appliance Recycling Program (DSM Phase VII) Measure Indicator Tables

VA - Residential Appliance Recycling Program			2019	2020	2021	2019-2021
Measures						
	Freezer	Total Participants	374	177	0	551
Installed kWh/year	Freezer	Total Gross Energy Savings (kWh/yr)	308,376	162,720	0	471,096
	Freezer	Net Adjusted Savings (kWh/yr)	185,025	97,632	0	282,658
Installed Summer peak kW	Freezer	Total Gross Demand Reduction (kW)	46.2	24.4	0.0	70.5
	Freezer	Net Adjusted Demand Reduction (kW)	27.7	14.6	0.0	42.3
Installed Winter peak kW	Freezer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Freezer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Refrigerator	Total Participants	1,205	795	0	2,000
Installed kWh/year	Refrigerator	Total Gross Energy Savings (kWh/yr)	947,137	705,371	0	1,652,508
	Refrigerator	Net Adjusted Savings (kWh/yr)	568,282	423,223	0	991,505
Installed Summer peak kW	Refrigerator	Total Gross Demand Reduction (kW)	141.8	105.6	0.0	247.3
	Refrigerator	Net Adjusted Demand Reduction (kW)	85.1	63.3	0.0	148.4
Installed Winter peak kW	Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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K.1.4 2019–2021 Virginia Residential Appliance Recycling Program (DSM Phase VII) Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RAR2	Schedule 1	499	432	116%	12,403	4%
RAR2	Schedule 1T	862	432	199%	17,633	5%
RAR2	Schedule 1P	811	432	188%	31,734	3%
RAR2	Schedule 1S	414	432	96%	27,067	2%
RAR2	Schedule 1EV	206	432	48%	18,888	1%

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K.2 Virginia Residential Efficient Products Marketplace Program 2019–2021

K.2.1 2019–2021 Virginia Residential Efficient Products Marketplace Annual Indicator Tables

VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$156,691	$421,278	$396,645	$974,614
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$4,636,049	$8,063,058	$8,459,198	$21,158,305
Costs ($)		Planned	$6,860,889	$6,694,699	$7,086,043	$20,641,631
Costs ($)		Variance	-$2,224,840	$1,368,359	$1,373,155	$516,674
		Annual % of Planned	68%	120%	119%	103%
Participants[1]		Total (Gross)	2,507,265	2,339,400	3,840,072	8,686,737
		Planned	2,972,475	2,172,678	2,514,547	7,659,700
		Variance	-465,210	166,722	1,325,525	1,027,037
		Annual % of Planned (Gross)	84%	108%	153%	113%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	73,007,561	81,186,888	110,412,571	264,607,020
		Realization Rate Weighted by Measure	100%	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	73,007,561	81,186,888	110,412,571	264,607,020
		Net-To-Gross Rate Weighted by Measure	70%	67%	62%	66%
		Net-To-Gross Adjustment (kWh/yr)	-21,902,268	-26,979,403	-41,663,319	-90,544,990
		Net Adjusted Savings (kWh/yr)	51,105,293	54,207,486	68,749,252	174,062,030
		Planned Net Savings (kWh/yr)	16,098,294	120,913,014	66,323,692	203,335,000
		Annual % Toward Planned Net Savings	317.5%	44.8%	103.7%	85.6%
		Avg. Gross Savings Per Participant (kWh/yr)	29	35	29	30
		Avg. Net Savings Per Participant (kWh/yr)	20	23	18	20
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	6,679.1	7,499.6	10,185.3	24,364.0
		Realization Rate Weighted by Measure	100%	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	6,679.1	7,499.6	10,185.3	24,364.0
		Net-To-Gross Rate Weighted by Measure	70%	67%	62%	66%
		Net-To-Gross Adjustment (kW)	-2,003.7	-2,504.6	-3,854.9	-8,363.2
		Net Adjusted Demand Reduction (kW)	4,675.4	4,995.0	6,330.3	16,000.7
		Planned Net Savings (kW)	0.0	1,566.5	7,322.4	8,888.9
		Annual % Toward Planned Net Reduction	N/A	318.9%	86.5%	180.0%
		Avg. Gross Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00
		Avg. Net Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	21,143.5	21,143.5
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	21,143.5	21,143.5
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	63%	63%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-7,903.0	-7,903.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	13,240.4	13,240.4
		Planned Net Savings (kW)	0.0	1,566.5	7,322.4	8,888.9
		Annual % Toward Planned Net Reduction	N/A	0%	180.8%	149.0%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.01	0.00
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.00	0.00
Program Perfomance		Annual $Admin. per Participant (Gross)	$0	$0	$0	$0
		Annual $Admin. per kWh/year (Gross)	$0.00	$0.01	$0.00	$0.00
		Annual $Admin. per kW (Gross)	$23	$56	$39	$40
		Annual $EM&V per $Total	1.9%	2.4%	3.8%	2.9%

1. A participant is a rebated lamp or appliance.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.2.2 2021 Virginia Residential Efficient Products Marketplace Monthly Indicator Tables

VA - Residential Efficient Products Marketplace Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$29,786	$45,683	$36,555	$30,504	$28,580	$60,498	$6,588	$26,677	$31,089	$35,430	$23,204	$42,051	**$396,645**	**$974,614**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$635,242	$974,287	$779,594	$650,561	$609,523	$1,290,237	$140,505	$568,927	$663,035	$755,618	$494,859	$896,811	**$8,459,198**	**$21,158,305**
Costs ($)		Planned	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	$590,504	**$7,086,043**	**$20,641,631**
Costs ($)		Variance	$44,738	$383,783	$189,091	$60,058	$19,019	$699,733	-$449,998	-$21,577	$72,531	$165,115	-$95,645	$306,307	**$1,373,155**	**$516,674**
		Annual % of Planned	9%	23%	34%	43%	51%	70%	72%	80%	89%	100%	107%	119%	**119%**	**103%**
Participants[1]		Total (Gross)	349,626	319,601	280,137	252,316	372,273	250,338	287,843	339,537	267,920	411,452	353,758	355,271	**3,840,072**	**8,686,737**
		Planned	209,552	209,545	209,545	209,545	209,545	209,545	209,545	209,545	209,545	209,545	209,545	209,545	**2,514,547**	**7,659,700**
		Variance	140,074	110,056	70,592	42,771	162,728	40,793	78,298	129,992	58,375	201,907	144,213	145,726	**1,325,525**	**1,027,037**
		Annual % of Planned (Gross)	167%	153%	134%	120%	178%	119%	137%	162%	128%	196%	169%	170%	**153%**	**113%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	10,394,254	9,196,953	8,184,760	7,048,352	10,642,536	7,234,492	8,333,710	9,670,757	7,695,161	11,580,137	10,258,166	10,173,291	**110,412,571**	**264,607,020**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	10,394,254	9,196,953	8,184,760	7,048,352	10,642,536	7,234,492	8,333,710	9,670,757	7,695,161	11,580,137	10,258,166	10,173,291	**110,412,571**	**264,607,020**
		Net-To-Gross Rate Weighted by Measure	63%	62%	62%	61%	63%	62%	62%	62%	62%	62%	62%	63%	**62%**	**66%**
		Net-To-Gross Adjustment (kWh/yr)	-3,849,123	-3,473,182	-3,111,377	-2,722,140	-3,988,300	-2,743,577	-3,182,964	-3,634,079	-2,917,872	-4,378,310	-3,849,184	-3,813,210	**-41,663,319**	**-90,544,990**
		Net Adjusted Savings (kWh/yr)	6,545,132	5,723,771	5,073,383	4,326,212	6,654,236	4,490,915	5,150,746	6,036,677	4,777,289	7,201,827	6,408,982	6,360,081	**68,749,252**	**174,062,030**
		Planned Net Savings (kWh/yr)	5,527,144	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	5,526,959	**66,323,692**	**203,335,000**
		Annual % Toward Planned Net Savings	9.87%	18.5%	26.1%	32.7%	42.7%	49.5%	57.2%	66.3%	73.5%	84.4%	94.1%	103.7%	**103.7%**	**85.6%**
		Avg. Gross Savings Per Participant (kWh/yr)	30	29	29	28	29	29	29	28	29	28	29	29	**29**	**30**
		Avg. Net Savings Per Participant (kWh/yr)	19	18	18	17	18	18	18	18	18	18	18	18	**18**	**20**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	958.0	847.6	755.8	650.8	979.4	667.4	774.6	891.0	713.6	1,067.6	944.8	934.7	**10,185.3**	**24,364.0**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	958.0	847.6	755.8	650.8	979.4	667.4	774.6	891.0	713.6	1,067.6	944.8	934.7	**10,185.3**	**24,364.0**
		Net-To-Gross Rate Weighted by Measure	63%	62%	62%	61%	62%	62%	62%	62%	62%	62%	62%	62%	**62%**	**66%**
		Net-To-Gross Adjustment (kW)	-355.9	-321.1	-288.4	-252.1	-367.9	-253.9	-297.4	-335.6	-271.6	-404.7	-355.4	-351.0	**-3,854.9**	**-8,363.2**
		Net Adjusted Demand Reduction (kW)	602.1	526.5	467.4	398.8	611.5	413.5	477.3	555.4	442.0	662.9	589.4	583.7	**6,330.3**	**16,000.7**
		Planned Net Savings (kW)	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	**7,322.4**	**8,888.9**
		Annual % Toward Planned Net Reduction	8.22%	15.4%	21.8%	27.2%	35.6%	41.2%	47.8%	55.3%	61.4%	70.4%	78.5%	86.5%	**86.5%**	**180.0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
		Avg. Net Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	1,992.4	1,760.3	1,556.3	1,344.2	2,049.0	1,383.3	1,569.2	1,861.8	1,462.1	2,225.0	1,974.5	1,965.6	**21,143.5**	**21,143.5**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	1,992.4	1,760.3	1,556.3	1,344.2	2,049.0	1,383.3	1,569.2	1,861.8	1,462.1	2,225.0	1,974.5	1,965.6	**21,143.5**	**21,143.5**
		Net-To-Gross Rate Weighted by Measure	63%	62%	62%	61%	62%	62%	62%	62%	62%	62%	62%	62%	**63%**	**63%**
		Net-To-Gross Adjustment (kW)	-730.5	-658.1	-584.0	-514.1	-762.4	-519.2	-589.7	-694.7	-547.8	-834.7	-735.4	-732.4	**-7,903.0**	**-7,903.0**
		Net Adjusted Demand Reduction (kW)	1,261.9	1,102.3	972.3	830.1	1,286.7	864.0	979.4	1,167.0	914.3	1,390.3	1,239.1	1,233.2	**13,240.4**	**13,240.4**
		Planned Net Savings (kW)	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	610.2	**7,322.4**	**8,888.9**
		Annual % Toward Planned Net Reduction	17.2%	32.3%	45.6%	56.9%	74.5%	86.3%	99.6%	115.6%	128.1%	147.1%	164.0%	180.8%	**180.8%**	**149.0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.00**
		Avg. Net Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Program Perfomance		Annual $Admin. per Participant (Gross)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
		Annual $Admin. per kWh/year (Gross)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**	**$0.00**
		Annual $Admin. per kW (Gross)	$31	$42	$44	$44	$41	$48	$42	$41	$41	$40	$38	$39	**$39**	**$40**
		Annual $EM&V per $Total	10.9%	4.3%	5.2%	4.1%	3.4%	5.4%	5.5%	5.1%	4.7%	4.5%	4.2%	3.8%	**3.8%**	**2.9%**
		Annual $Rebate per Participant (Gross)	$1	$1	$2	$2	$1	$2	$2	$1	$2	$1	$1	$1	**$1**	**$2**

1. A participant is a rebated lamp or appliance.

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K.2.3 2019–2021 Virginia Residential Efficient Products Marketplace (DSM Phase VII) Measure Indicator Tables

VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	Specialty	Total Participants	299,917	905,758	953,025	2,158,700
Installed kWh/year	Specialty	Total Gross Energy Savings (kWh/yr)	8,132,182	24,167,557	26,580,387	58,880,126
	Specialty	Net Adjusted Savings (kWh/yr)	5,692,527	14,258,859	15,682,428	35,633,814
Installed Summer peak kW	Specialty	Total Gross Demand Reduction (kW)	744.0	2,211.0	2,431.7	5,386.7
	Specialty	Net Adjusted Demand Reduction (kW)	520.8	1,304.5	1,434.7	3,260.0
Installed Winter peak kW	Specialty	Total Gross Demand Reduction (kW)	0.0	0.0	5,198.8	5,198.8
	Specialty	Net Adjusted Demand Reduction (kW)	0.0	0.0	3,067.3	3,067.3
VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	Not Available	Total Participants				
Installed kWh/year	Not Available	Total Gross Energy Savings (kWh/yr)				
	Not Available	Net Adjusted Savings (kWh/yr)				
Installed Summer peak kW	Not Available	Total Gross Demand Reduction (kW)				
	Not Available	Net Adjusted Demand Reduction (kW)				
Installed Winter peak kW	Not Available	Total Gross Demand Reduction (kW)				
	Not Available	Net Adjusted Demand Reduction (kW)				
	Parabolic Aluminized Reflector	Total Participants	0	0	0	0
Installed kWh/year	Parabolic Aluminized Reflector	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Parabolic Aluminized Reflector	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Parabolic Aluminized Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Parabolic Aluminized Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Parabolic Aluminized Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Parabolic Aluminized Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reflector	Total Participants	472,360	1,025,165	508,662	2,006,187
Installed kWh/year	Reflector	Total Gross Energy Savings (kWh/yr)	17,563,062	37,990,335	19,999,073	75,552,470
	Reflector	Net Adjusted Savings (kWh/yr)	12,294,143	28,872,655	15,199,295	56,366,094
Installed Summer peak kW	Reflector	Total Gross Demand Reduction (kW)	1,606.8	3,475.6	1,829.6	6,911.9
	Reflector	Net Adjusted Demand Reduction (kW)	1,124.7	2,641.4	1,390.5	5,156.7
Installed Winter peak kW	Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	3,911.6	3,911.6
	Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	2,972.8	2,972.8
	Retrofit Kit	Total Participants	0	0	0	0
Installed kWh/year	Retrofit Kit	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Retrofit Kit	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Retrofit Kit	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Retrofit Kit	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Retrofit Kit	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Retrofit Kit	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	Fixture and Retrofit Kit	Total Participants	122,676	348,971	6,920	478,567
Installed kWh/year	Fixture and Retrofit Kit	Total Gross Energy Savings (kWh/yr)	5,334,573	15,087,397	274,538	20,696,508
	Fixture and Retrofit Kit	Net Adjusted Savings (kWh/yr)	3,734,201	9,052,438	164,723	12,951,362
Installed Summer peak kW	Fixture and Retrofit Kit	Total Gross Demand Reduction (kW)	488.0	1,380.3	25.1	1,893.4
	Fixture and Retrofit Kit	Net Adjusted Demand Reduction (kW)	341.6	828.2	15.1	1,184.9
Installed Winter peak kW	Fixture and Retrofit Kit	Total Gross Demand Reduction (kW)	0.0	0.0	53.7	53.7
	Fixture and Retrofit Kit	Net Adjusted Demand Reduction (kW)	0.0	0.0	32.2	32.2
	Globe	Total Participants	0	0	0	0
Installed kWh/year	Globe	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Globe	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Globe	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Globe	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Globe	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Globe	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Lighting	Total Participants	0	0	0	0
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Multifaceted Reflector	Total Participants	0	0	0	0
Installed kWh/year	Multifaceted Reflector	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Multifaceted Reflector	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Multifaceted Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Multifaceted Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Multifaceted Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Multifaceted Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	ENERGY STAR Dishwasher	Total Participants	0	2,430	3,274	5,704
Installed kWh/year	ENERGY STAR Dishwasher	Total Gross Energy Savings (kWh/yr)	0	87,473	117,307	204,780
	ENERGY STAR Dishwasher	Net Adjusted Savings (kWh/yr)	0	44,611	59,827	104,438
Installed Summer peak kW	ENERGY STAR Dishwasher	Total Gross Demand Reduction (kW)	0.0	10.8	14.5	25.4
	ENERGY STAR Dishwasher	Net Adjusted Demand Reduction (kW)	0.0	5.5	7.4	12.9
Installed Winter peak kW	ENERGY STAR Dishwasher	Total Gross Demand Reduction (kW)	0.0	0.0	3.4	3.4
	ENERGY STAR Dishwasher	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.7	1.7
	ENERGY STAR Freezer	Total Participants	0	223	317	540
Installed kWh/year	ENERGY STAR Freezer	Total Gross Energy Savings (kWh/yr)	0	8,556	13,915	22,471
	ENERGY STAR Freezer	Net Adjusted Savings (kWh/yr)	0	4,449	7,236	11,685
Installed Summer peak kW	ENERGY STAR Freezer	Total Gross Demand Reduction (kW)	0.0	1.4	2.2	3.6
	ENERGY STAR Freezer	Net Adjusted Demand Reduction (kW)	0.0	0.7	1.2	1.9
Installed Winter peak kW	ENERGY STAR Freezer	Total Gross Demand Reduction (kW)	0.0	0.0	0.7	0.7
	ENERGY STAR Freezer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.3	0.3
	ENERGY STAR Refrigerator	Total Participants	0	4,293	5,334	9,627
Installed kWh/year	ENERGY STAR Refrigerator	Total Gross Energy Savings (kWh/yr)	0	264,754	336,446	601,200
	ENERGY STAR Refrigerator	Net Adjusted Savings (kWh/yr)	0	103,254	131,214	234,468
Installed Summer peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	42.8	54.3	97.1
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	16.7	21.2	37.9
Installed Winter peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	16.1	16.1
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	6.3	6.3
	Fixture	Total Participants	0	0	0	0
Installed kWh/year	Fixture	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Fixture	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Fixture	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Fixture	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Fixture	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Fixture	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	ENERGY STAR Air Purifier	Total Participants	0	692	1,593	2,285
Installed kWh/year	ENERGY STAR Air Purifier	Total Gross Energy Savings (kWh/yr)	0	500,392	354,107	854,499
	ENERGY STAR Air Purifier	Net Adjusted Savings (kWh/yr)	0	345,270	244,334	589,604
Installed Summer peak kW	ENERGY STAR Air Purifier	Total Gross Demand Reduction (kW)	0.0	57.4	40.6	98.0
	ENERGY STAR Air Purifier	Net Adjusted Demand Reduction (kW)	0.0	39.6	28.0	67.6
Installed Winter peak kW	ENERGY STAR Air Purifier	Total Gross Demand Reduction (kW)	0.0	0.0	40.6	40.6
	ENERGY STAR Air Purifier	Net Adjusted Demand Reduction (kW)	0.0	0.0	28.0	28.0
	ENERGY STAR Clothes Dryer	Total Participants	0	4,580	5,545	10,125
Installed kWh/year	ENERGY STAR Clothes Dryer	Total Gross Energy Savings (kWh/yr)	0	800,174	968,473	1,768,647
	ENERGY STAR Clothes Dryer	Net Adjusted Savings (kWh/yr)	0	336,073	406,759	742,832
Installed Summer peak kW	ENERGY STAR Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	80.0	96.8	176.9
	ENERGY STAR Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	33.6	40.7	74.3
Installed Winter peak kW	ENERGY STAR Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	46.8	46.8
	ENERGY STAR Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	19.6	19.6
	ENERGY STAR Clothes Washer	Total Participants	0	6,200	6,840	13,040
Installed kWh/year	ENERGY STAR Clothes Washer	Total Gross Energy Savings (kWh/yr)	0	1,119,626	1,304,609	2,424,235
	ENERGY STAR Clothes Washer	Net Adjusted Savings (kWh/yr)	0	492,635	574,028	1,066,663
Installed Summer peak kW	ENERGY STAR Clothes Washer	Total Gross Demand Reduction (kW)	0.0	122.5	142.8	265.3
	ENERGY STAR Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	53.9	62.8	116.7
Installed Winter peak kW	ENERGY STAR Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	68.9	68.9
	ENERGY STAR Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	30.3	30.3
	ENERGY STAR Dehumidifier	Total Participants	0	836	1,146	1,982
Installed kWh/year	ENERGY STAR Dehumidifier	Total Gross Energy Savings (kWh/yr)	0	86,633	117,914	204,547
	ENERGY STAR Dehumidifier	Net Adjusted Savings (kWh/yr)	0	52,846	71,928	124,774
Installed Summer peak kW	ENERGY STAR Dehumidifier	Total Gross Demand Reduction (kW)	0.0	19.6	26.7	46.4
	ENERGY STAR Dehumidifier	Net Adjusted Demand Reduction (kW)	0.0	12.0	16.3	28.3
Installed Winter peak kW	ENERGY STAR Dehumidifier	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	ENERGY STAR Dehumidifier	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Residential Efficient Products Marketplace Program			2019	2020	2021	2019-2021
Measures						
	A-Line	Total Participants	1,612,310	40,254	2,347,416	3,999,980
Installed kWh/year	A-Line	Total Gross Energy Savings (kWh/yr)	41,977,744	1,073,990	60,345,803	103,397,537
	A-Line	Net Adjusted Savings (kWh/yr)	29,384,421	644,394	36,207,482	66,236,297
Installed Summer peak kW	A-Line	Total Gross Demand Reduction (kW)	3,840.3	98.3	5,520.7	9,459.3
	A-Line	Net Adjusted Demand Reduction (kW)	2,688.2	59.0	3,312.4	6,059.6
Installed Winter peak kW	A-Line	Total Gross Demand Reduction (kW)	0.0	0.0	11,803.0	11,803.0
	A-Line	Net Adjusted Demand Reduction (kW)	0.0	0.0	7,081.8	7,081.8
	Bulged Reflector	Total Participants	0	0	0	0
Installed kWh/year	Bulged Reflector	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Bulged Reflector	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Bulged Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Bulged Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Bulged Reflector	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Bulged Reflector	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candelabra Base	Total Participants	0	0	0	0
Installed kWh/year	Candelabra Base	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Candelabra Base	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Candelabra Base	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candelabra Base	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Candelabra Base	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candelabra Base	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candle	Total Participants	0	0	0	0
Installed kWh/year	Candle	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Candle	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Candle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Candle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Candle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

1. A participant is a rebated lamp or appliance.

K.2.4 2019–2021 Virginia Residential Efficient Products Marketplace (DSM Phase VII) Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
REEC	Schedule DP-R	185	25	734%	11,759	2%
REEC	Schedule 1G	60	25	239%	Not Available	Not Available
REEC	Schedule 27	75	25	299%	Not Available	Not Available
REEC	Schedule 1S	54	25	216%	27,067	0%
REEC	Schedule 1T	46	25	183%	17,633	0%
REEC	Schedule 1	20	25	80%	12,403	0%
REEC	Schedule 1EV	80	25	317%	18,888	0%
REEC	Schedule 1P	605	25	2403%	31,734	2%

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K.3 Virginia Residential Home Energy Assessment Program 2019–2021

K.3.1 2019–2021 Virginia Residential Home Energy Assessment Program Annual Indicator Tables

VA - Residential Home Energy Assessment Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$24,171	$153,132	$358,842	$536,144
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$715,145	$2,981,049	$7,652,974	$11,349,169
Costs ($)		Planned	$2,326,635	$4,257,214	$4,755,154	$11,339,002
Costs ($)		Variance	-$1,611,489	-$1,276,164	$2,897,820	$10,166
		Annual % of Planned	31%	70%	161%	100%
Participants[1]		Total (Gross)	0	2,738	9,917	12,655
		Planned	11,030	28,526	32,918	72,474
		Variance	-11,030	-25,788	-23,001	-59,819
		Annual % of Planned (Gross)	0%	10%	30%	17%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	4,960,666	22,601,069	27,561,735
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	4,960,666	22,601,069	27,561,735
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-992,133	-4,520,214	-5,512,347
		Net Adjusted Savings (kWh/yr)	0	3,968,533	18,080,855	22,049,388
		Planned Net Savings (kWh/yr)	1,073,361	8,763,799	11,778,786	21,615,946
		Annual % Toward Planned Net Savings	0%	45.3%	153.5%	102.0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	1,812	2,279	2,178
		Avg. Net Savings Per Participant (kWh/yr)	N/A	1,449	1,823	1,742
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	411.2	1,414.5	1,825.6
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	411.2	1,414.5	1,825.6
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	-82.2	-282.9	-365.1
		Net Adjusted Demand Reduction (kW)	0.0	328.9	1,131.6	1,460.5
		Planned Net Savings (kW)	0.0	1,658.4	2,566.6	4,224.9
		Annual % Toward Planned Net Reduction	N/A	19.8%	44.1%	34.6%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.2	0.1	0.1
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.1	0.1	0.1
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	3,163.4	3,163.4
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	3,163.4	3,163.4
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-632.7	-632.7
		Net Adjusted Demand Reduction (kW)	0.0	0.0	2,530.7	2,530.7
		Planned Net Savings (kW)	0.0	1,658.4	2,566.6	4,224.9
		Annual % Toward Planned Net Reduction	N/A	0%	98.6%	59.9%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.3	0.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.3	0.2
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$56	$36	$42
		Annual $Admin. per kWh/year (Gross)	N/A	$0.03	$0.02	$0.02
		Annual $Admin. per kW (Gross)	N/A	$372	$254	$294
		Annual $EM&V per $Total	14.1%	5.8%	2.2%	3.9%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.3.2 2021 Virginia Residential Home Energy Assessment Program Monthly Indicator Tables

VA - Residential Home Energy Assessment Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$24,129	$24,342	$45,642	$30,305	$29,257	$32,980	$34,742	$36,078	$34,915	$25,445	$22,665	$18,342	**$358,842**	**$536,144**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$514,607	$519,148	$973,395	$646,312	$623,971	$703,356	$740,928	$769,423	$744,620	$542,652	$483,374	$391,188	**$7,652,974**	**$11,349,169**
Costs ($)		Planned	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	$396,263	**$4,755,154**	**$11,339,002**
Costs ($)		Variance	$118,344	$122,885	$577,132	$250,049	$227,708	$307,093	$344,666	$373,160	$348,357	$146,389	$87,111	-$5,075	**$2,897,820**	**$10,166**
		Annual % of Planned	11%	22%	42%	56%	69%	84%	99%	115%	131%	143%	153%	161%	**161%**	**100%**
Participants[1]		Total (Gross)	644	697	1,366	819	802	739	896	931	987	726	741	569	**9,917**	**12,655**
		Planned	2,745	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	**32,918**	**72,474**
		Variance	-2,101	-2,046	-1,377	-1,924	-1,941	-2,004	-1,847	-1,812	-1,756	-2,017	-2,002	-2,174	**-23,001**	**-59,819**
		Annual % of Planned (Gross)	23%	25%	50%	30%	29%	27%	33%	34%	36%	26%	27%	21%	**30%**	**17%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,330,394	1,437,456	3,095,235	1,908,482	1,807,313	1,791,180	2,222,372	2,372,088	2,418,462	1,624,993	1,498,103	1,094,991	**22,601,069**	**27,561,735**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	1,330,394	1,437,456	3,095,235	1,908,482	1,807,313	1,791,180	2,222,372	2,372,088	2,418,462	1,624,993	1,498,103	1,094,991	**22,601,069**	**27,561,735**
		Net-To-Gross Rate Weighted by Measure	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kWh/yr)	-266,079	-287,491	-619,047	-381,696	-361,463	-358,236	-444,474	-474,418	-483,692	-324,999	-299,621	-218,998	**-4,520,214**	**-5,512,347**
		Net Adjusted Savings (kWh/yr)	1,064,315	1,149,965	2,476,188	1,526,785	1,445,850	1,432,944	1,777,898	1,897,670	1,934,770	1,299,994	1,198,482	875,993	**18,080,855**	**22,049,388**
		Planned Net Savings (kWh/yr)	982,221	981,506	981,506	981,506	981,506	981,506	981,506	981,506	981,506	981,506	981,506	981,506	**11,778,786**	**21,615,946**
		Annual % Toward Planned Net Savings	9.04%	18.8%	39.8%	52.8%	65.1%	77.2%	92.3%	108.4%	124.9%	135.9%	146.1%	153.5%	**153.5%**	**102.0%**
		Avg. Gross Savings Per Participant (kWh/yr)	2,066	2,062	2,266	2,330	2,254	2,424	2,480	2,548	2,450	2,238	2,022	1,924	**2,279**	**2,178**
		Avg. Net Savings Per Participant (kWh/yr)	1,653	1,650	1,813	1,864	1,803	1,939	1,984	2,038	1,960	1,791	1,617	1,540	**1,823**	**1,742**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	86.5	95.8	192.1	118.6	118.0	113.8	136.4	142.8	146.6	101.7	93.7	68.5	**1,414.5**	**1,825.6**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	86.5	95.8	192.1	118.6	118.0	113.8	136.4	142.8	146.6	101.7	93.7	68.5	**1,414.5**	**1,825.6**
		Net-To-Gross Rate Weighted by Measure	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	-17.3	-19.2	-38.4	-23.7	-23.6	-22.8	-27.3	-28.6	-29.3	-20.3	-18.7	-13.7	**-282.9**	**-365.1**
		Net Adjusted Demand Reduction (kW)	69.2	76.6	153.7	94.8	94.4	91.0	109.1	114.3	117.3	81.4	75.0	54.8	**1,131.6**	**1,460.5**
		Planned Net Savings (kW)	214.0	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	**2,566.6**	**4,224.9**
		Annual % Toward Planned Net Reduction	2.70%	5.68%	11.7%	15.4%	19.0%	22.6%	26.8%	31.3%	35.9%	39.0%	42.0%	44.1%	**44.1%**	**34.6%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	**0.1**	**0.1**
		Avg. Net Demand Reduction Per Participant (kW)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.10	**0.1**	**0.1**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	184.6	264.5	421.4	261.5	258.2	248.6	304.2	320.1	324.4	223.3	203.8	148.6	**3,163.4**	**3,163.4**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	184.6	264.5	421.4	261.5	258.2	248.6	304.2	320.1	324.4	223.3	203.8	148.6	**3,163.4**	**3,163.4**
		Net-To-Gross Rate Weighted by Measure	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	-36.9	-52.9	-84.3	-52.3	-51.6	-49.7	-60.8	-64.0	-64.9	-44.7	-40.8	-29.7	**-632.7**	**-632.7**
		Net Adjusted Demand Reduction (kW)	147.7	211.6	337.1	209.2	206.5	198.9	243.3	256.1	259.6	178.7	163.1	118.9	**2,530.7**	**2,530.7**
		Planned Net Savings (kW)	214.0	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	**2,566.6**	**4,224.9**
		Annual % Toward Planned Net Reduction	5.75%	14.0%	27.1%	35.3%	43.3%	51.1%	60.6%	70.5%	80.7%	87.6%	94.0%	98.6%	**98.6%**	**59.9%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	**0.2**
		Avg. Net Demand Reduction Per Participant (kW)	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	**0.3**	**0.2**
Program Perfomance		Annual $Admin. per Participant (Gross)	$37	$36	$35	$35	$36	$37	$37	$37	$37	$37	$36	$36	**$36**	**$42**
		Annual $Admin. per kWh/year (Gross)	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	$279	$266	$251	$252	$252	$258	$257	$256	$254	$254	$253	$254	**$254**	**$294**
		Annual $EM&V per $Total	6.4%	3.2%	1.7%	1.3%	1.0%	2.9%	2.7%	2.4%	2.3%	2.3%	2.2%	2.2%	**2.2%**	**3.9%**
		Annual $Rebate per Participant (Gross)	$516	$521	$548	$558	$561	$569	$579	$587	$586	$580	$570	$561	**$561**	**$542**

1. A participant is a unique account number.

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K.3.3 2019–2021 Virginia Residential Home Energy Assessment Program Measure Indicator Tables

VA - Residential Home Energy Assessment Program			2019	2020	2021	2019-2021
Measures						
	Water Distribution	Total Participants	0	228	570	798
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	75,287	144,734	220,021
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	60,230	115,787	176,017
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	3.4	7.8	11.2
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	2.7	6.2	8.9
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	7.8	7.8
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	6.2	6.2
	Water Heater Replacement	Total Participants	0	0	3	3
Installed kWh/year	Water Heater Replacement	Total Gross Energy Savings (kWh/yr)	0	0	4,485	4,485
	Water Heater Replacement	Net Adjusted Savings (kWh/yr)	0	0	3,588	3,588
Installed Summer peak kW	Water Heater Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.3	0.3
	Water Heater Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.3	0.3
Installed Winter peak kW	Water Heater Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.6	0.6
	Water Heater Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	0.4
	Water Heater Turndown 10 Degrees	Total Participants	0	5	17	22
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	408	2,932	3,340
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	326	2,346	2,672
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.3	0.4
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.3	0.3
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.3	0.3
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.3	0.3

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VA - Residential Home Energy Assessment Program			2019	2020	2021	2019-2021
Measures						
	Heat Pump Tune Up	Total Participants	0	491	713	1,204
Installed kWh/year	Heat Pump Tune Up	Total Gross Energy Savings (kWh/yr)	0	145,850	213,554	359,404
	Heat Pump Tune Up	Net Adjusted Savings (kWh/yr)	0	116,680	170,843	287,523
Installed Summer peak kW	Heat Pump Tune Up	Total Gross Demand Reduction (kW)	0.0	115.9	79.9	195.8
	Heat Pump Tune Up	Net Adjusted Demand Reduction (kW)	0.0	92.7	63.9	156.6
Installed Winter peak kW	Heat Pump Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	179.6	179.6
	Heat Pump Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	143.6	143.6
	Heat Pump Upgrade	Total Participants	0	20	17	37
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	15,696	16,776	32,472
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	12,556	13,421	25,977
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	1.4	3.4	4.8
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	1.1	2.7	3.9
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	6.9	6.9
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	5.6	5.6
	Hot Water Pipe Insulation	Total Participants	0	402	870	1,272
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	232,466	332,575	565,041
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	185,973	266,060	452,033
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	26.5	38.0	64.5
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	21.2	30.4	51.6
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	38.0	38.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	30.4	30.4
	Lighting	Total Participants	0	2,235	9,190	11,425
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	4,466,597	21,849,906	26,316,502
	Lighting	Net Adjusted Savings (kWh/yr)	0	3,573,277	17,479,924	21,053,202
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	250.1	1,269.4	1,519.5
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	200.0	1,015.6	1,215.6
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	2,908.0	2,908.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	2,326.4	2,326.4
VA - Residential Home Energy Assessment Program			2019	2020	2021	2019-2021
Measures						
	Cool Roof	Total Participants	0	0	0	0
Installed kWh/year	Cool Roof	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Cool Roof	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Cool Roof	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cool Roof	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Cool Roof	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cool Roof	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Duct Insulation	Total Participants	0	5	0	5
Installed kWh/year	Duct Insulation	Total Gross Energy Savings (kWh/yr)	0	2,567	0	2,567
	Duct Insulation	Net Adjusted Savings (kWh/yr)	0	2,053	0	2,053
Installed Summer peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	2.1	0.0	2.1
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	1.7	0.0	1.7
Installed Winter peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Duct Sealing	Total Participants	0	39	72	111
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	0	20,900	36,107	57,007
	Duct Sealing	Net Adjusted Savings (kWh/yr)	0	16,720	28,886	45,606
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	11.6	15.4	26.9
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	9.3	12.3	21.6
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	22.3	22.3
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	17.8	17.8
	ECM Fan Motor	Total Participants	0	1	0	1
Installed kWh/year	ECM Fan Motor	Total Gross Energy Savings (kWh/yr)	0	897	0	897
	ECM Fan Motor	Net Adjusted Savings (kWh/yr)	0	717	0	717
Installed Summer peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.2	0.0	0.2
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.0	0.1
Installed Winter peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

K.3.4 2019–2021 Virginia Residential Home Energy Assessment Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RTHO	Schedule 1T	2,205	254	868%	17,633	13%
RTHO	Schedule 1P	1,988	254	782%	31,734	6%
RTHO	Schedule 1S	2,269	254	893%	27,067	8%
RTHO	Schedule EV	198	254	78%	Not Available	Not Available
RTHO	Schedule 1G	2,032	254	800%	Not Available	Not Available
RTHO	Schedule 1	1,744	254	686%	12,403	14%
RTHO	Schedule 1EV	3,608	254	1420%	18,888	19%
RTHO	Schedule 27	1,286	254	506%	Not Available	Not Available
RTHO	Schedule 24	902	254	355%	Not Available	Not Available
RTHO	Schedule 28	897	254	353%	Not Available	Not Available

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K.4 Virginia Residential Customer Engagement Program 2020–2021

K.4.1 2020-2021 Virginia Residential Customer Engagement Program Annual Indicator Tables

VA - Residential Customer Engagement Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$6,939	$94,387	$101,326
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$162,614	$2,012,981	$2,175,595
Costs ($)		Planned	$0	$1,904,508	$1,904,508
Costs ($)		Variance	$162,614	$108,473	$271,087
		Annual % of Planned	N/A	106%	114%
Participants[1]		Total (Gross)	0	313,636	313,636
		Planned	287,500	277,400	564,900
		Variance	-287,500	36,236	-251,264
		Annual % of Planned (Gross)	0%	113%	56%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	63,955,806	63,955,806
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	63,955,806	63,955,806
		Net-To-Gross Rate Weighted by Measure	N/A	100%	100%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0
		Net Adjusted Savings (kWh/yr)	0	63,955,806	63,955,806
		Planned Net Savings (kWh/yr)	48,300,000	46,603,200	94,903,200
		Annual % Toward Planned Net Savings	0%	137.2%	67.4%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	204	204
		Avg. Net Savings Per Participant (kWh/yr)	N/A	204	204
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	20,125.0	19,418.0	39,543.0
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	20,125.0	19,418.0	39,543.0
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$0	$0
		Annual $Admin. per kWh/year (Gross)	N/A	$0.00	$0.00
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	18.9%	8.7%	9.5%

1. A participant is a unique account number.

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K.4.2 2021 Virginia Residential Customer Engagement Program Monthly Indicator Tables

VA - Residential Customer Engagement Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$10,244	$9,757	$10,141	$10,903	$10,280	$3,843	$3,624	$2,552	$10,082	$6,714	$5,402	$10,844	**$94,387**	**$101,326**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$218,470	$208,088	$216,271	$232,533	$219,239	$81,959	$77,291	$54,433	$215,028	$143,194	$115,216	$231,261	**$2,012,981**	**$2,175,595**
Costs ($)		Planned	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	$158,709	**$1,904,508**	**$1,904,508**
Costs ($)		Variance	$59,761	$49,379	$57,562	$73,824	$60,530	-$76,750	-$81,418	-$104,276	$56,319	-$15,515	-$43,493	$72,552	**$108,473**	**$271,087**
		Annual % of Planned	11%	22%	34%	46%	57%	62%	66%	69%	80%	88%	94%	106%	**106%**	**114%**
Participants[1]		Total (Gross)	0	199,317	19,860	88,938	8	0	0	0	0	272	1,858	3,383	**313,636**	**313,636**
		Planned	23,124	23,116	23,116	23,116	23,116	23,116	23,116	23,116	23,116	23,116	23,116	23,116	**277,400**	**564,900**
		Variance	-23,124	176,201	-3,256	65,822	-23,108	-23,116	-23,116	-23,116	-23,116	-22,844	-21,258	-19,733	**36,236**	**-251,264**
		Annual % of Planned (Gross)	0%	862%	86%	385%	0%	0%	0%	0%	0%	1%	8%	15%	**113%**	**56%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	43,567,761	3,617,669	15,777,150	1,553	0	0	0	0	46,569	343,048	602,056	**63,955,806**	**63,955,806**
		Realization Rate Weighted by Measure	N/A	100%	100%	100%	100%	N/A	N/A	N/A	N/A	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	43,567,761	3,617,669	15,777,150	1,553	0	0	0	0	46,569	343,048	602,056	**63,955,806**	**63,955,806**
		Net-To-Gross Rate Weighted by Measure	N/A	100%	100%	100%	100%	N/A	N/A	N/A	N/A	100%	100%	100%	**100%**	**100%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	43,567,761	3,617,669	15,777,150	1,553	0	0	0	0	46,569	343,048	602,056	**63,955,806**	**63,955,806**
		Planned Net Savings (kWh/yr)	3,884,832	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	3,883,488	**46,603,200**	**94,903,200**
		Annual % Toward Planned Net Savings	0%	93.5%	101.2%	135.1%	135.1%	135.1%	135.1%	135.1%	135.1%	135.2%	135.9%	137.2%	**137.2%**	**67.4%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	219	182	177	194	N/A	N/A	N/A	N/A	171	185	178	**204**	**204**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	219	182	177	194	N/A	N/A	N/A	N/A	171	185	178	**204**	**204**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	1,618.7	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	**19,418.0**	**39,543.0**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	0.0	0.0	0.0	**0.0**	**0.0**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	1,618.7	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	1,618.1	**19,418.0**	**39,543.0**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	0.0	0.0	0.0	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
		Annual $Admin. per kWh/year (Gross)	N/A	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**	**$0.00**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	7.5%	3.9%	7.1%	5.2%	4.2%	7.0%	6.6%	10.4%	9.9%	10.2%	9.6%	8.7%	**8.7%**	**9.5%**
		Annual $Rebate per Participant (Gross)	N/A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**

1. A participant is a unique account number.

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K.4.3 2019–2021 Virginia Residential Customer Engagement Program Measure Indicator Tables

VA - Residential Customer Engagement Program			2020	2021	2020-2021
Measures					
	Digital Home Energy Reports	Total Participants	0	197,577	197,577
Installed kWh/year	Digital Home Energy Reports	Total Gross Energy Savings (kWh/yr)	0	43,324,363	43,324,363
	Digital Home Energy Reports	Net Adjusted Savings (kWh/yr)	0	43,324,363	43,324,363
Installed Summer peak kW	Digital Home Energy Reports	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Digital Home Energy Reports	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Digital Home Energy Reports	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Digital Home Energy Reports	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Paper Home Energy Reports	Total Participants	0	116,059	116,059
Installed kWh/year	Paper Home Energy Reports	Total Gross Energy Savings (kWh/yr)	0	20,631,443	20,631,443
	Paper Home Energy Reports	Net Adjusted Savings (kWh/yr)	0	20,631,443	20,631,443
Installed Summer peak kW	Paper Home Energy Reports	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Paper Home Energy Reports	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Paper Home Energy Reports	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Paper Home Energy Reports	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.4.4 2019–2021 Virginia Residential Customer Engagement Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RCEB	Schedule 1T	198	168	118%	17,633	1%
RCEB	Schedule 100	203	168	121%	Not Available	Not Available
RCEB	Schedule 1	204	168	121%	12,403	2%
RCEB	Schedule 1G	209	168	124%	Not Available	Not Available
RCEB	Schedule GS-1	170	168	101%	16,481	1%
RCEB	Schedule 1S	236	168	140%	27,067	1%

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K.5 Virginia Residential Electric Vehicle Energy Efficiency and Demand Response Program 2020–2021

K.5.1 2020–2021 Virginia Residential Electric Vehicle Energy Efficiency and Demand Response Program Annual Indicator Tables

VA - Residential Electric Vehicle Energy Efficiency and Demand Response Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$620	$13,241	$13,860
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$14,517	$282,385	$296,902
Costs ($)		Planned	$0	$349,322	$349,322
Costs ($)		Variance	$14,517	-$66,937	-$52,420
		Annual % of Planned	N/A	81%	85%
Participants[1]		Total (Gross)	0	93	93
		Planned	0	550	550
		Variance	0	-457	-457
		Annual % of Planned (Gross)	N/A	17%	17%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	12,379	12,379
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	12,379	12,379
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-2,476	-2,476
		Net Adjusted Savings (kWh/yr)	0	9,903	9,903
		Planned Net Savings (kWh/yr)	0	206,534	206,534
		Annual % Toward Planned Net Savings	N/A	4.79%	4.79%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	133	133
		Avg. Net Savings Per Participant (kWh/yr)	N/A	106	106
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	71.4	71.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	71.4	71.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Measures					
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$142	$149
		Annual $Admin. per kWh/year (Gross)	N/A	$1.07	$1.12
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	48.3%	12.6%	14.3%
		Annual $Rebate per Participant (Gross)	N/A	$125	$125

1. A participant is an incentivized charger.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

DNV

K.5.2 2020 Virginia Residential Electric Vehicle Energy Efficiency and Demand Response Program Monthly Indicator Tables

VA - Residential Electric Vehicle Energy Efficiency and Demand Response Program			2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate															
O&M ($)		Direct Implementation															
O&M ($)		Direct EM&V															
O&M ($)		Indirect Other (Administrative)	$620	$501	$186	$274	$223	$429	$440	$336	$159	$534	$563	$9,213	$382	$13,241	$13,860
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$14,517	$10,684	$3,966	$5,852	$4,761	$9,140	$9,379	$7,170	$3,389	$11,392	$12,002	$196,494	$8,156	$282,385	$296,902
Costs ($)		Planned	$0	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$29,110	$349,322	$349,322
Costs ($)		Variance	$14,517	-$18,426	-$25,144	-$23,258	-$24,349	-$19,970	-$19,731	-$21,940	-$25,722	-$17,718	-$17,108	$167,384	-$20,954	-$66,937	-$52,420
		Annual % of Planned	N/A	3%	4%	6%	7%	10%	13%	15%	16%	19%	22%	79%	81%	81%	85%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	15	0	30	10	18	20	93	93
		Planned	0	55	45	45	45	45	45	45	45	45	45	45	45	550	550
		Variance	0	-55	-45	-45	-45	-45	-45	-30	-45	-15	-35	-27	-25	-457	-457
		Annual % of Planned (Gross)	N/A	0%	0%	0%	0%	0%	0%	33%	0%	67%	22%	40%	44%	17%	17%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	2,001	0	3,991	1,329	2,394	2,664	12,379	12,379
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	N/A	100%	100%	100%	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	2,001	0	3,991	1,329	2,394	2,664	12,379	12,379
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	80%	N/A	80%	80%	80%	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	-400	0	-798	-266	-479	-533	-2,476	-2,476
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	1,601	0	3,193	1,063	1,915	2,131	9,903	9,903
		Planned Net Savings (kWh/yr)	0	20,653	16,898	16,898	16,898	16,898	16,898	16,898	16,898	16,898	16,898	16,898	16,898	206,534	206,534
		Annual % Toward Planned Net Savings	N/A	0%	0%	0%	0%	0%	0%	0.78%	0.78%	2.32%	2.84%	3.76%	4.79%	4.79%	4.79%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	133	N/A	133	133	133	133	133	133
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	107	N/A	106	106	106	107	106	106
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	7.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	71.4	71.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	7.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	71.4	71.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0
Measures																	
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$159	$170	$68	$66	$176	$142	$142	$149
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$1.19	$1.27	$0.51	$0.50	$1.32	$1.07	$1.07	$1.12
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	48.3%	69.7%	50.8%	47.8%	38.8%	28.5%	35.7%	34.1%	34.9%	34.4%	40.1%	11.4%	12.6%	12.6%	14.3%
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$125	$125	$125	$125	$125	$125	$125	$125

1. A participant is an incentivized charger.

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K.5.3 2020–2021 Virginia Residential Electric Vehicle Energy Efficiency and Demand Response Program Measure Indicator Tables

VA - Residential Electric Vehicle Energy Efficiency and Demand Response Program			2020	2021	2020-2021
Measures					
	Demand Control	Total Participants	0	0	0
Installed kWh/year	Demand Control	Total Gross Energy Savings (kWh/yr)	0	0	0
	Demand Control	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Demand Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Demand Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Demand Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Demand Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR EV CHARGER	Total Participants	0	93	93
Installed kWh/year	ENERGY STAR EV CHARGER	Total Gross Energy Savings (kWh/yr)	0	12,379	12,379
	ENERGY STAR EV CHARGER	Net Adjusted Savings (kWh/yr)	0	9,903	9,903
Installed Summer peak kW	ENERGY STAR EV CHARGER	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR EV CHARGER	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR EV CHARGER	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR EV CHARGER	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.5.4 2020–2021 Virginia Residential Electric Vehicle Energy Efficiency and Demand Response Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
REVEE	101	Schedule 1S	107	376	28%	27,067	0%
REVEE	260	Schedule 1G	107	376	28%	Not Available	Not Available
REVEE	240	Schedule 1EV	107	376	28%	18,888	1%
REVEE	100	Schedule 1	106	376	28%	12,403	1%

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K.6 Virginia Residential Home Retrofit Program 2020–2021

K.6.1 2020–2021 Virginia Residential Home Retrofit Program Annual Indicator Tables

VA - Residential Retrofit Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$2,428	$40,585	$43,012
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$56,887	$865,549	$922,435
Costs ($)		Planned	$0	$1,308,446	$1,308,446
Costs ($)		Variance	$56,887	-$442,897	-$386,011
		Annual % of Planned	N/A	66%	70%
Participants[1]		Total (Gross)	0	99	99
		Planned	0	846	846
		Variance	0	-747	-747
		Annual % of Planned (Gross)	N/A	12%	12%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	207,565	207,565
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	207,565	207,565
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	-20,757	-20,757
		Net Adjusted Savings (kWh/yr)	0	186,809	186,809
		Planned Net Savings (kWh/yr)	0	1,645,617	1,645,617
		Annual % Toward Planned Net Savings	N/A	11.4%	11.4%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	2,097	2,097
		Avg. Net Savings Per Participant (kWh/yr)	N/A	1,887	1,887
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	68.4	68.4
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	68.4	68.4
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	-6.8	-6.8
		Net Adjusted Demand Reduction (kW)	0.0	61.5	61.5
		Planned Net Savings (kW)	0.0	474.4	474.4
		Annual % Toward Planned Net Reduction	N/A	13.0%	13.0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.7	0.7
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.6	0.6
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	75.0	75.0
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	75.0	75.0
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	-7.5	-7.5
		Net Adjusted Demand Reduction (kW)	0.0	67.5	67.5
		Planned Net Savings (kW)	0.0	474.4	474.4
		Annual % Toward Planned Net Reduction	N/A	14.2%	14.2%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.8	0.8
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.7	0.7
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$410	$434
		Annual $Admin. per kWh/year (Gross)	N/A	$0.20	$0.21
		Annual $Admin. per kW (Gross)	N/A	$594	$629
		Annual $EM&V per $Total	90.6%	12.9%	17.7%

1. A participant is a unique account number.

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K.6.2 2021 Virginia Residential Home Retrofit Program Monthly Indicator Tables

VA - Residential Retrofit Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$3,579	$3,202	$3,288	$3,302	$3,057	$3,359	$3,232	$3,341	$3,713	$3,774	$2,967	$3,772	**$40,585**	**$43,012**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$76,321	$68,282	$70,115	$70,420	$65,186	$71,630	$68,931	$71,259	$79,191	$80,491	$63,270	$80,454	**$865,549**	**$922,435**
Costs ($)		Planned	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	$109,037	**$1,308,446**	**$1,308,446**
Costs ($)		Variance	-$32,716	-$40,755	-$38,922	-$38,617	-$43,851	-$37,407	-$40,106	-$37,779	-$29,847	-$28,546	-$45,767	-$28,583	**-$442,897**	**-$386,011**
		Annual % of Planned	6%	11%	16%	22%	27%	32%	38%	43%	49%	55%	60%	66%	**66%**	**70%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	2	3	34	18	18	24	**99**	**99**
		Planned	76	70	70	70	70	70	70	70	70	70	70	70	**846**	**846**
		Variance	-76	-70	-70	-70	-70	-70	-68	-67	-36	-52	-52	-46	**-747**	**-747**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	3%	4%	49%	26%	26%	34%	**12%**	**12%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	3,716	5,723	60,849	40,411	48,068	48,798	**207,565**	**207,565**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	3,716	5,723	60,849	40,411	48,068	48,798	**207,565**	**207,565**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	90%	90%	90%	90%	90%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	-372	-572	-6,085	-4,041	-4,807	-4,880	**-20,757**	**-20,757**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	3,345	5,151	54,764	36,370	43,261	43,918	**186,809**	**186,809**
		Planned Net Savings (kWh/yr)	147,833	136,162	136,162	136,162	136,162	136,162	136,162	136,162	136,162	136,162	136,162	136,162	**1,645,617**	**1,645,617**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0.20%	0.52%	3.84%	6.05%	8.68%	11.4%	**11.4%**	**11.4%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	1,858	1,908	1,790	2,245	2,670	2,033	**2,097**	**2,097**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	1,672	1,717	1,611	2,021	2,403	1,830	**1,887**	**1,887**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.2	24.1	13.3	12.8	14.5	**68.4**	**68.4**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.2	24.1	13.3	12.8	14.5	**68.4**	**68.4**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	90%	90%	90%	90%	90%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	-2.4	-1.3	-1.3	-1.5	**-6.8**	**-6.8**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.1	21.7	11.9	11.5	13.1	**61.5**	**61.5**
		Planned Net Savings (kW)	42.6	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	**474.4**	**474.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.49%	0.71%	5.28%	7.80%	10.2%	13.0%	**13.0%**	**13.0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	1.3	0.4	0.7	0.7	0.7	0.6	**0.7**	**0.7**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	1.2	0.4	0.6	0.7	0.6	0.5	**0.6**	**0.6**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.7	25.4	14.8	13.8	17.3	**75.0**	**75.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.7	25.4	14.8	13.8	17.3	**75.0**	**75.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	90%	90%	90%	90%	90%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-2.5	-1.5	-1.4	-1.7	**-7.5**	**-7.5**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.6	22.8	13.3	12.4	15.6	**67.5**	**67.5**
		Planned Net Savings (kW)	42.6	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	**474.4**	**474.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.38%	0.71%	5.53%	8.34%	10.9%	14.2%	**14.2%**	**14.2%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	1.0	0.6	0.7	0.8	0.8	0.7	**0.8**	**0.8**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.9	0.5	0.7	0.7	0.7	0.7	**0.7**	**0.7**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$11,509	$5,272	$771	$594	$491	$410	**$410**	**$434**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$6.19	$2.79	$0.43	$0.31	$0.23	$0.20	**$0.20**	**$0.21**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$8,987	$7,061	$1,081	$823	$684	$594	**$594**	**$629**
		Annual $EM&V per $Total	7.8%	4.1%	3.0%	4.4%	3.6%	10.1%	11.8%	13.0%	13.0%	14.5%	13.4%	12.9%	**12.9%**	**17.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$41	$463	$141	$169	$240	$234	**$234**	**$234**

1. A participant is a unique account number.

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K.6.3 2020–2021 Virginia Residential Home Retrofit Program Measure Indicator Tables

VA - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Water Heater Turndown 10 Degrees	Total Participants	0	0	0
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
VA - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Lighting	Total Participants	0	10	10
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	1,931	1,931
	Lighting	Net Adjusted Savings (kWh/yr)	0	1,738	1,738
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
	Smart Thermostat Installation	Total Participants	0	0	0
Installed kWh/year	Smart Thermostat Installation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Installation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Total Participants	0	6	6
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	524	524
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	472	472
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Total Participants	0	0	0
Installed kWh/year	Water Heater Replacement (Heat Pump)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Replacement (Heat Pump)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	ECM Fan Motor	Total Participants	0	0	0
Installed kWh/year	ECM Fan Motor	Total Gross Energy Savings (kWh/yr)	0	0	0
	ECM Fan Motor	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Total Participants	0	1	1
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	1,388	1,388
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	1,249	1,249
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.7	0.7
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.6	0.6
	Hot Water Pipe Insulation	Total Participants	0	4	4
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	501	501
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	451	451
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Crawl Space Insulation	Total Participants	0	34	34
Installed kWh/year	Crawl Space Insulation	Total Gross Energy Savings (kWh/yr)	0	37,085	37,085
	Crawl Space Insulation	Net Adjusted Savings (kWh/yr)	0	33,377	33,377
Installed Summer peak kW	Crawl Space Insulation	Total Gross Demand Reduction (kW)	0.0	13.4	13.4
	Crawl Space Insulation	Net Adjusted Demand Reduction (kW)	0.0	12.0	12.0
Installed Winter peak kW	Crawl Space Insulation	Total Gross Demand Reduction (kW)	0.0	15.9	15.9
	Crawl Space Insulation	Net Adjusted Demand Reduction (kW)	0.0	14.3	14.3
	Drill and Fill Wall Insulation	Total Participants	0	1	1
Installed kWh/year	Drill and Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	94	94
	Drill and Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	85	85
Installed Summer peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Total Participants	0	0	0
Installed kWh/year	Duct Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Total Participants	0	52	52
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	0	30,189	30,189
	Duct Sealing	Net Adjusted Savings (kWh/yr)	0	27,170	27,170
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	12.6	12.6
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	11.4	11.4
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	13.3	13.3
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	12.0	12.0

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VA - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Air Sealing	Total Participants	0	33	33
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	6,591	6,591
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	5,931	5,931
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	1.5	1.5
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	1.4	1.4
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	4.5	4.5
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	4.1	4.1
	Attic Insulation	Total Participants	0	85	85
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	129,262	129,262
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	116,336	116,336
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	40.2	40.2
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	36.2	36.2
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	40.2	40.2
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	36.2	36.2
	Basement Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Basement Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Basement Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Basement Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Basement Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Basement Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Basement Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Total Participants	0	0	0
Installed kWh/year	Central Home Energy Management System	Total Gross Energy Savings (kWh/yr)	0	0	0
	Central Home Energy Management System	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Central Home Energy Management System	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Central Home Energy Management System	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.6.4 2020–2021 Virginia Residential Home Retrofit Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RHRF	Schedule 27	355	1,945	18%	Not Available	Not Available
RHRF	Schedule 1S	2,843	1,945	146%	27,067	11%
RHRF	Schedule 1	1,893	1,945	97%	12,403	15%

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K.7 Virginia Residential Energy Efficiency Kits Program 2020–2021

K.7.1 2020–2021 Virginia Residential Energy Efficiency Kits Program Annual Indicator Tables

VA - Residential Kits Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,541	$61,802	$63,343
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$36,118	$1,318,034	$1,354,152
Costs ($)		Planned	$0	$1,950,228	$1,950,228
Costs ($)		Variance	$36,118	-$632,193	-$596,076
		Annual % of Planned	N/A	68%	69%
Participants[1]		Total (Gross)	0	28,113	28,113
		Planned	0	28,200	28,200
		Variance	0	-87	-87
		Annual % of Planned (Gross)	N/A	100%	100%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	3,442,999	3,442,999
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	3,442,999	3,442,999
		Net-To-Gross Rate Weighted by Measure	N/A	60%	60%
		Net-To-Gross Adjustment (kWh/yr)	0	-1,377,200	-1,377,200
		Net Adjusted Savings (kWh/yr)	0	2,065,800	2,065,800
		Planned Net Savings (kWh/yr)	0	7,459,378	7,459,378
		Annual % Toward Planned Net Savings	N/A	27.7%	27.7%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	122	122
		Avg. Net Savings Per Participant (kWh/yr)	N/A	73	73
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	302.3	302.3
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	302.3	302.3
		Net-To-Gross Rate Weighted by Measure	N/A	60%	60%
		Net-To-Gross Adjustment (kW)	0.0	-120.9	-120.9
		Net Adjusted Demand Reduction (kW)	0.0	181.4	181.4
		Planned Net Savings (kW)	0.0	2,242.9	2,242.9
		Annual % Toward Planned Net Reduction	N/A	8.09%	8.09%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.01	0.01
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.01	0.01
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	335.0	335.0
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	335.0	335.0
		Net-To-Gross Rate Weighted by Measure	N/A	60%	60%
		Net-To-Gross Adjustment (kW)	0.0	-134.0	-134.0
		Net Adjusted Demand Reduction (kW)	0.0	201.0	201.0
		Planned Net Savings (kW)	0.0	2,242.9	2,242.9
		Annual % Toward Planned Net Reduction	N/A	8.96%	8.96%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.01	0.01
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.01	0.01
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$2	$2
		Annual $Admin. per kWh/year (Gross)	N/A	$0.02	$0.02
		Annual $Admin. per kW (Gross)	N/A	$204	$210
		Annual $EM&V per $Total	92.2%	9.0%	11.2%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.7.2 2021 Virginia Residential Energy Efficiency Kits Program Monthly Indicator Tables

VA - Residential Kits Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,862	$1,101	$1,430	$1,024	$1,043	$2,366	$1,907	$12,645	$19,262	$10,061	$950	$8,151	**$61,802**	**$63,343**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$39,711	$23,476	$30,492	$21,834	$22,253	$50,450	$40,676	$269,681	$410,793	$214,565	$20,270	$173,833	**$1,318,034**	**$1,354,152**
Costs ($)		Planned	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	$162,519	**$1,950,228**	**$1,950,228**
Costs ($)		Variance	-$122,808	-$139,043	-$132,027	-$140,685	-$140,266	-$112,069	-$121,843	$107,162	$248,274	$52,046	-$142,249	$11,314	**-$632,193**	**-$596,076**
		Annual % of Planned	2%	3%	5%	6%	7%	10%	12%	26%	47%	58%	59%	68%	**68%**	**69%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	99	7,500	11,397	4,828	1	4,288	**28,113**	**28,113**
		Planned	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	**28,200**	**28,200**
		Variance	-2,350	-2,350	-2,350	-2,350	-2,350	-2,350	-2,251	5,150	9,047	2,478	-2,349	1,938	**-87**	**-87**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	4%	319%	485%	205%	0%	182%	**100%**	**100%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	11,113	841,875	1,369,341	668,028	112	552,531	**3,442,999**	**3,442,999**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	11,113	841,875	1,369,341	668,028	112	552,531	**3,442,999**	**3,442,999**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	-4,445	-336,750	-547,736	-267,211	-45	-221,012	**-1,377,200**	**-1,377,200**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	6,668	505,125	821,604	400,817	67	331,518	**2,065,800**	**2,065,800**
		Planned Net Savings (kWh/yr)	621,615	621,615	621,615	621,615	621,615	621,615	621,615	621,615	621,615	621,615	621,615	621,615	**7,459,378**	**7,459,378**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0.09%	6.86%	17.9%	23.2%	23.2%	27.7%	**27.7%**	**27.7%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	112	112	120	138	112	129	**122**	**122**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	67	67	72	83	67	77	**73**	**73**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	74.1	120.4	58.5	0.0	48.4	**302.3**	**302.3**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	74.1	120.4	58.5	0.0	48.4	**302.3**	**302.3**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-29.6	-48.2	-23.4	0.0	-19.4	**-120.9**	**-120.9**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.6	44.5	72.2	35.1	0.0	29.0	**181.4**	**181.4**
		Planned Net Savings (kW)	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	**2,242.9**	**2,242.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.03%	2.01%	5.23%	6.79%	6.79%	8.09%	**8.09%**	**8.09%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.01**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	74.1	129.7	72.7	0.0	57.5	**335.0**	**335.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	74.1	129.7	72.7	0.0	57.5	**335.0**	**335.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-29.6	-51.9	-29.1	0.0	-23.0	**-134.0**	**-134.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.6	44.5	77.8	43.6	0.0	34.5	**201.0**	**201.0**
		Planned Net Savings (kW)	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	**2,242.9**	**2,242.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.03%	2.01%	5.48%	7.42%	7.42%	8.96%	**8.96%**	**8.96%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.02	0.01	0.01	**0.01**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.01**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$108	$3	$2	$2	$2	$2	**$2**	**$2**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$0.97	$0.03	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$10,973	$311	$218	$208	$211	$204	**$204**	**$210**
		Annual $EM&V per $Total	41.3%	25.9%	23.9%	19.4%	16.3%	26.1%	27.5%	15.1%	9.5%	9.8%	9.6%	9.0%	**9.0%**	**11.2%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$29	$29	$30	$30	$30	$30	**$30**	**$30**

1. A participant is a unique account number.

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K.7.3 2020–2021 Virginia Residential Energy Efficiency Kits Program Measure Indicator Tables

VA - Residential Kits Program			2020	2021	2020-2021
Measures					
	Window Weatherstripping	Total Participants	0	259	259
Installed kWh/year	Window Weatherstripping	Total Gross Energy Savings (kWh/yr)	0	3,635	3,635
	Window Weatherstripping	Net Adjusted Savings (kWh/yr)	0	2,181	2,181
Installed Summer peak kW	Window Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Window Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Window Weatherstripping	Total Gross Demand Reduction (kW)	0.0	4.6	4.6
	Window Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	2.8	2.8

VA - Residential Kits Program			2020	2021	2020-2021
Measures					
	Lighting	Total Participants	0	334	334
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	115,378	115,378
	Lighting	Net Adjusted Savings (kWh/yr)	0	69,227	69,227
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	10.6	10.6
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	6.3	6.3
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	22.6	22.6
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	13.5	13.5
	Outlet/Switch Gaskets	Total Participants	0	259	259
Installed kWh/year	Outlet/Switch Gaskets	Total Gross Energy Savings (kWh/yr)	0	483	483
	Outlet/Switch Gaskets	Net Adjusted Savings (kWh/yr)	0	290	290
Installed Summer peak kW	Outlet/Switch Gaskets	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Outlet/Switch Gaskets	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Outlet/Switch Gaskets	Total Gross Demand Reduction (kW)	0.0	0.5	0.5
	Outlet/Switch Gaskets	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
	Smart Strips	Total Participants	0	28,113	28,113
Installed kWh/year	Smart Strips	Total Gross Energy Savings (kWh/yr)	0	3,155,684	3,155,684
	Smart Strips	Net Adjusted Savings (kWh/yr)	0	1,893,411	1,893,411
Installed Summer peak kW	Smart Strips	Total Gross Demand Reduction (kW)	0.0	277.8	277.8
	Smart Strips	Net Adjusted Demand Reduction (kW)	0.0	166.7	166.7
Installed Winter peak kW	Smart Strips	Total Gross Demand Reduction (kW)	0.0	277.8	277.8
	Smart Strips	Net Adjusted Demand Reduction (kW)	0.0	166.7	166.7
	Water Distribution	Total Participants	0	251	251
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	91,129	91,129
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	54,677	54,677
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	4.5	4.5
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	2.7	2.7
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	4.5	4.5
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	2.7	2.7

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VA - Residential Kits Program			2020	2021	2020-2021
Measures					
	Caulking per Tube	Total Participants	0	259	259
Installed kWh/year	Caulking per Tube	Total Gross Energy Savings (kWh/yr)	0	1,239	1,239
	Caulking per Tube	Net Adjusted Savings (kWh/yr)	0	743	743
Installed Summer peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.2	0.2
Installed Winter peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	1.3	1.3
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.8	0.8
	Door Sweep	Total Participants	0	259	259
Installed kWh/year	Door Sweep	Total Gross Energy Savings (kWh/yr)	0	9,301	9,301
	Door Sweep	Net Adjusted Savings (kWh/yr)	0	5,580	5,580
Installed Summer peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	2.0	2.0
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	1.2	1.2
Installed Winter peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	9.4	9.4
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	5.7	5.7
	Door Weatherstripping	Total Participants	0	259	259
Installed kWh/year	Door Weatherstripping	Total Gross Energy Savings (kWh/yr)	0	5,757	5,757
	Door Weatherstripping	Net Adjusted Savings (kWh/yr)	0	3,454	3,454
Installed Summer peak kW	Door Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Door Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
Installed Winter peak kW	Door Weatherstripping	Total Gross Demand Reduction (kW)	0.0	7.5	7.5
	Door Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	4.5	4.5
	Hot Water Pipe Insulation	Total Participants	0	251	251
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	60,395	60,395
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	36,237	36,237
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	6.9	6.9
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	4.1	4.1
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	6.9	6.9
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	4.1	4.1

K.7.4 2020–2021 Virginia Residential Energy Efficiency Kits Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RKTS	Schedule 1T	67	265	25%	17,633	0%
RKTS	Schedule 1	73	265	28%	12,403	1%
RKTS	Schedule 100	67	265	25%	Not Available	Not Available
RKTS	Schedule 27	67	265	25%	Not Available	Not Available
RKTS	Schedule 1S	67	265	25%	27,067	0%
RKTS	Not Available	67	265	25%	Not Available	Not Available
RKTS	Schedule 1G	116	265	44%	Not Available	Not Available

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K.8 Virginia Residential Manufactured Housing Program 2020–2021

K.8.1 2020–2021 Virginia Residential Manufactured Housing Program Annual Indicator Tables

VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$2,122	$30,122	$32,244
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$49,716	$642,418	$692,134
Costs ($)		Planned	$0	$1,129,167	$1,129,167
Costs ($)		Variance	$49,716	-$486,749	-$437,033
		Annual % of Planned	N/A	57%	61%
Participants[1]		Total (Gross)	0	3	3
		Planned	0	1,000	1,000
		Variance	0	-997	-997
		Annual % of Planned (Gross)	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	916	916
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	916	916
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	-92	-92
		Net Adjusted Savings (kWh/yr)	0	824	824
		Planned Net Savings (kWh/yr)	0	1,773,101	1,773,101
		Annual % Toward Planned Net Savings	N/A	0.05%	0.05%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	305	305
		Avg. Net Savings Per Participant (kWh/yr)	N/A	275	275
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.1	0.1
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
		Planned Net Savings (kW)	0.0	521.8	521.8
		Annual % Toward Planned Net Reduction	N/A	0.01%	0.01%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.03	0.03
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.03	0.03
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.1	0.1
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
		Planned Net Savings (kW)	0.0	521.8	521.8
		Annual % Toward Planned Net Reduction	N/A	0.02%	0.02%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.04	0.04
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.03	0.03
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$10,041	$10,748
		Annual $Admin. per kWh/year (Gross)	N/A	$32.90	$35.22
		Annual $Admin. per kW (Gross)	N/A	$356,091	$381,172
		Annual $EM&V per $Total	92.1%	16.6%	22.1%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.8.2 2021 Virginia Residential Manufactured Housing Program Monthly Indicator Tables

VA - Residential Manufactured Housing Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,621	$2,405	$2,632	$2,419	$2,405	$3,056	$2,715	$2,648	$2,440	$2,875	$1,866	$2,040	**$30,122**	**$32,244**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$55,898	$51,291	$56,141	$51,584	$51,291	$65,185	$57,913	$56,471	$52,030	$61,321	$39,786	$43,506	**$642,418**	**$692,134**
Costs ($)		Planned	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	$94,097	**$1,129,167**	**$1,129,167**
Costs ($)		Variance	-$38,199	-$42,806	-$37,956	-$42,513	-$42,806	-$28,913	-$36,185	-$37,627	-$42,067	-$32,776	-$54,311	-$50,591	**-$486,749**	**-$437,033**
		Annual % of Planned	5%	9%	14%	19%	24%	29%	34%	39%	44%	50%	53%	57%	**57%**	**61%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	3	**3**	**3**
		Planned	87	83	83	83	83	83	83	83	83	83	83	83	**1,000**	**1,000**
		Variance	-87	-83	-83	-83	-83	-83	-83	-83	-83	-83	-83	-80	**-997**	**-997**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	916	**916**	**916**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	916	**916**	**916**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	-92	**-92**	**-92**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	824	**824**	**824**
		Planned Net Savings (kWh/yr)	154,260	147,167	147,167	147,167	147,167	147,167	147,167	147,167	147,167	147,167	147,167	147,167	**1,773,101**	**1,773,101**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.05%	**0.05%**	**0.05%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	305	**305**	**305**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	275	**275**	**275**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Planned Net Savings (kW)	45.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	**521.8**	**521.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.01%	**0.01%**	**0.01%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03	**0.03**	**0.03**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03	**0.03**	**0.03**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.1**	**0.1**
		Planned Net Savings (kW)	45.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	**521.8**	**521.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.02%	**0.02%**	**0.02%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.04	**0.04**	**0.04**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.03	**0.03**	**0.03**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$10,041	**$10,041**	**$10,748**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$32.90	**$32.90**	**$35.22**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$356,091	**$356,091**	**$381,172**
		Annual $EM&V per $Total	7.9%	4.1%	5.5%	4.2%	3.4%	12.4%	14.6%	16.3%	16.6%	18.5%	17.3%	16.6%	**16.6%**	**22.1%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$15	**$15**	**$15**

1. A participant is a unique account number.

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K.8.3 2020–2021 Virginia Residential Manufactured Housing Program Measure Indicator Tables

VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	Water Heater Replacement (Heat Pump)	Total Participants	0	0	0
Installed kWh/year	Water Heater Replacement (Heat Pump)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Replacement (Heat Pump)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Total Participants	0	0	0
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	Lighting	Total Participants	0	3	3
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	385	385
	Lighting	Net Adjusted Savings (kWh/yr)	0	347	347
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Poly Tape for Windows	Total Participants	0	0	0
Installed kWh/year	Poly Tape for Windows	Total Gross Energy Savings (kWh/yr)	0	0	0
	Poly Tape for Windows	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Poly Tape for Windows	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Poly Tape for Windows	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Poly Tape for Windows	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Poly Tape for Windows	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Total Participants	0	0	0
Installed kWh/year	Smart Thermostat Installation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Installation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Total Participants	0	1	1
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	36	36
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	33	33
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	Hot Water Pipe Insulation	Total Participants	0	2	2
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	254	254
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	228	228
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Tank Wrap	Total Participants	0	1	1
Installed kWh/year	Hot Water Tank Wrap	Total Gross Energy Savings (kWh/yr)	0	240	240
	Hot Water Tank Wrap	Net Adjusted Savings (kWh/yr)	0	216	216
Installed Summer peak kW	Hot Water Tank Wrap	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Tank Wrap	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Tank Wrap	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Tank Wrap	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Total Participants	0	0	0
Installed kWh/year	HVAC Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	ENERGY STAR Refrigerator	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Room/Wall AC Units	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Filter Replacement	Total Participants	0	0	0
Installed kWh/year	Filter Replacement	Total Gross Energy Savings (kWh/yr)	0	0	0
	Filter Replacement	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Filter Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Filter Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Filter Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Filter Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Foaming	Total Participants	0	0	0
Installed kWh/year	Foaming	Total Gross Energy Savings (kWh/yr)	0	0	0
	Foaming	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Foaming	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Foaming	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Foaming	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Foaming	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	Door Weather Stripping	Total Participants	0	0	0
Installed kWh/year	Door Weather Stripping	Total Gross Energy Savings (kWh/yr)	0	0	0
	Door Weather Stripping	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Door Weather Stripping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Door Weather Stripping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Door Weather Stripping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Door Weather Stripping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Drill and Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Drill and Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing (Moderate and Extensive)	Total Participants	0	0	0
Installed kWh/year	Duct Sealing (Moderate and Extensive)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Sealing (Moderate and Extensive)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Sealing (Moderate and Extensive)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing (Moderate and Extensive)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Sealing (Moderate and Extensive)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing (Moderate and Extensive)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Total Participants	0	0	0
Installed kWh/year	ECM Fan Motor	Total Gross Energy Savings (kWh/yr)	0	0	0
	ECM Fan Motor	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	Caulking per Tube	Total Participants	0	0	0
Installed kWh/year	Caulking per Tube	Total Gross Energy Savings (kWh/yr)	0	0	0
	Caulking per Tube	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Cool Roof	Total Participants	0	0	0
Installed kWh/year	Cool Roof	Total Gross Energy Savings (kWh/yr)	0	0	0
	Cool Roof	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Cool Roof	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Cool Roof	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Cool Roof	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Cool Roof	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Digital Switch Plate Wall Thermometer	Total Participants	0	0	0
Installed kWh/year	Digital Switch Plate Wall Thermometer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Digital Switch Plate Wall Thermometer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Digital Switch Plate Wall Thermometer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Digital Switch Plate Wall Thermometer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Digital Switch Plate Wall Thermometer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Digital Switch Plate Wall Thermometer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Door Sweep	Total Participants	0	0	0
Installed kWh/year	Door Sweep	Total Gross Energy Savings (kWh/yr)	0	0	0
	Door Sweep	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Manufactured Housing Program			2020	2021	2020-2021
Measures					
	AC Cover for Wall Window Unit EBB	Total Participants	0	0	0
Installed kWh/year	AC Cover for Wall Window Unit EBB	Total Gross Energy Savings (kWh/yr)	0	0	0
	AC Cover for Wall Window Unit EBB	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	AC Cover for Wall Window Unit EBB	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Cover for Wall Window Unit EBB	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	AC Cover for Wall Window Unit EBB	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Cover for Wall Window Unit EBB	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Total Participants	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Total Participants	0	0	0
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Belly Board Insulation	Total Participants	0	0	0
Installed kWh/year	Belly Board Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Belly Board Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Belly Board Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Belly Board Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Belly Board Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Belly Board Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.8.4 2020–2021 Virginia Residential Manufactured Housing Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RMHP	Schedule 1	275	1,773	15%	12,403	2%

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K.9 Virginia Residential Multifamily Program 2020–2021

K.9.1 2020–2021 Virginia Residential Multifamily Program Annual Indicator Tables

VA - Residential Multifamily Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,235	$29,521	$30,756
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$28,940	$629,586	$658,526
Costs ($)		Planned	$0	$1,677,691	$1,677,691
Costs ($)		Variance	$28,940	-$1,048,105	-$1,019,165
		Annual % of Planned	N/A	38%	39%
Participants[1]		Total (Gross)	0	9	9
		Planned	0	9,000	9,000
		Variance	0	-8,991	-8,991
		Annual % of Planned (Gross)	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	335	335
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	335	335
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	-33	-33
		Net Adjusted Savings (kWh/yr)	0	301	301
		Planned Net Savings (kWh/yr)	0	7,976,317	7,976,317
		Annual % Toward Planned Net Savings	N/A	0.00%	0.00%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	37	37
		Avg. Net Savings Per Participant (kWh/yr)	N/A	33	33
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	2,818.4	2,818.4
		Annual % Toward Planned Net Reduction	N/A	0.00%	0.00%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.00	0.00
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.00	0.00
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	2,818.4	2,818.4
		Annual % Toward Planned Net Reduction	N/A	0.00%	0.00%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.01	0.01
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.00	0.00
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$3,280	$3,417
		Annual $Admin. per kWh/year (Gross)	N/A	$88.21	$91.90
		Annual $Admin. per kW (Gross)	N/A	$787,821	$820,780
		Annual $EM&V per $Total	92.4%	10.3%	13.9%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.9.2 2021 Virginia Residential Multifamily Program Monthly Indicator Tables

VA - Residential Multifamily Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,530	$2,285	$2,406	$2,285	$2,309	$2,293	$2,563	$2,745	$2,605	$2,916	$2,228	$2,356	**$29,521**	**$30,756**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$53,950	$48,736	$51,315	$48,736	$49,247	$48,911	$54,654	$58,535	$55,560	$62,189	$47,509	$50,244	**$629,586**	**$658,526**
Costs ($)		Planned	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	$139,808	**$1,677,691**	**$1,677,691**
Costs ($)		Variance	-$85,857	-$91,072	-$88,493	-$91,072	-$90,560	-$90,896	-$85,154	-$81,273	-$84,247	-$77,618	-$92,299	-$89,564	**-$1,048,105**	**-$1,019,165**
		Annual % of Planned	3%	6%	9%	12%	15%	18%	21%	25%	28%	32%	35%	38%	**38%**	**39%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	9	**9**	**9**
		Planned	750	750	750	750	750	750	750	750	750	750	750	750	**9,000**	**9,000**
		Variance	-750	-750	-750	-750	-750	-750	-750	-750	-750	-750	-750	-741	**-8,991**	**-8,991**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	335	**335**	**335**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	335	**335**	**335**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	-33	**-33**	**-33**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	301	**301**	**301**
		Planned Net Savings (kWh/yr)	664,693	664,693	664,693	664,693	664,693	664,693	664,693	664,693	664,693	664,693	664,693	664,693	**7,976,317**	**7,976,317**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%	**0.00%**	**0.00%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	37	**37**	**37**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	33	**33**	**33**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	**2,818.4**	**2,818.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%	**0.00%**	**0.00%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	**0.00**	**0.00**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	**0.00**	**0.00**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	**2,818.4**	**2,818.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%	**0.00%**	**0.00%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.01	**0.01**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	**0.00**	**0.00**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$3,280	**$3,280**	**$3,417**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$88.21	**$88.21**	**$91.90**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$787,821	**$787,821**	**$820,780**
		Annual $EM&V per $Total	8.5%	4.5%	4.6%	3.5%	2.8%	8.4%	8.6%	10.0%	10.1%	11.6%	10.7%	10.3%	**10.3%**	**13.9%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$7	**$7**	**$7**

1. A participant is a unique account number.

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K.9.3 2020–2021 Virginia Residential Multifamily Program Measure Indicator Tables

VA - Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Water Distribution	Total Participants	0	0	0
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Total Participants	0	0	0
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Refrigerator Coil Brush	Total Participants	0	0	0
Installed kWh/year	Refrigerator Coil Brush	Total Gross Energy Savings (kWh/yr)	0	0	0
	Refrigerator Coil Brush	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Refrigerator Coil Brush	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Coil Brush	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Refrigerator Coil Brush	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Coil Brush	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermometer	Total Participants	0	0	0
Installed kWh/year	Refrigerator Thermometer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Refrigerator Thermometer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Refrigerator Thermometer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermometer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Refrigerator Thermometer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermometer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermomter	Total Participants	0	0	0
Installed kWh/year	Refrigerator Thermomter	Total Gross Energy Savings (kWh/yr)	0	0	0
	Refrigerator Thermomter	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Refrigerator Thermomter	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermomter	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Refrigerator Thermomter	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigerator Thermomter	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Total Participants	0	0	0
Installed kWh/year	Smart Thermostat Installation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Installation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Hot Water Pipe Insulation	Total Participants	0	5	5
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	241	241
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	217	217
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Total Participants	0	0	0
Installed kWh/year	HVAC Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Total Participants	0	6	6
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	94	94
	Lighting	Net Adjusted Savings (kWh/yr)	0	85	85
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Multifamily Program			2020	2021	2020-2021
Measures					
	ENERGY STAR Clothes Dryer	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Clothes Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Clothes Dryer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Clothes Washer	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Clothes Washer	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Clothes Washer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Refrigerator	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Room/Wall AC Units	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Air Sealing	Total Participants	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Total Participants	0	0	0
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Drill and Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Drill and Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Total Participants	0	0	0
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.9.4 2020–2021 Virginia Residential Multifamily Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RMFP	Schedule 1	33	886	4%	12,403	0%

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K.10 Virginia Residential New Construction Program 2020–2021

K.10.1 2020–2021 Virginia Residential New Construction Program Annual Indicator Tables

VA - Residential New Construction Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,284	$56,428	$57,711
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$30,084	$1,203,424	$1,233,508
Costs ($)		Planned	$0	$4,218,145	$4,218,145
Costs ($)		Variance	$30,084	-$3,014,721	-$2,984,637
		Annual % of Planned	N/A	29%	29%
Participants[1]		Total (Gross)	0	1,018	1,018
		Planned	0	4,250	4,250
		Variance	0	-3,232	-3,232
		Annual % of Planned (Gross)	N/A	24%	24%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	1,971,437	1,971,437
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	1,971,437	1,971,437
		Net-To-Gross Rate Weighted by Measure	N/A	87%	87%
		Net-To-Gross Adjustment (kWh/yr)	0	-256,287	-256,287
		Net Adjusted Savings (kWh/yr)	0	1,715,150	1,715,150
		Planned Net Savings (kWh/yr)	0	5,926,305	5,926,305
		Annual % Toward Planned Net Savings	N/A	28.9%	28.9%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	1,937	1,937
		Avg. Net Savings Per Participant (kWh/yr)	N/A	1,685	1,685
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	883.5	883.5
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	883.5	883.5
		Net-To-Gross Rate Weighted by Measure	N/A	87%	87%
		Net-To-Gross Adjustment (kW)	0.0	-114.9	-114.9
		Net Adjusted Demand Reduction (kW)	0.0	768.6	768.6
		Planned Net Savings (kW)	0.0	3,350.3	3,350.3
		Annual % Toward Planned Net Reduction	N/A	22.9%	22.9%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.9	0.9
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.8	0.8
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	342.6	342.6
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	342.6	342.6
		Net-To-Gross Rate Weighted by Measure	N/A	87%	87%
		Net-To-Gross Adjustment (kW)	0.0	-44.5	-44.5
		Net Adjusted Demand Reduction (kW)	0.0	298.1	298.1
		Planned Net Savings (kW)	0.0	3,350.3	3,350.3
		Annual % Toward Planned Net Reduction	N/A	8.90%	8.90%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.3	0.3
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.3	0.3
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$55	$57
		Annual $Admin. per kWh/year (Gross)	N/A	$0.03	$0.03
		Annual $Admin. per kW (Gross)	N/A	$64	$65
		Annual $EM&V per $Total	74.6%	8.0%	9.7%

1. A participant is a unique account number.

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K.10.2 2021 Virginia Residential New Construction Program Monthly Indicator Tables

VA - Residential New Construction Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$631	$318	$534	$2,239	$1,885	$4,254	$5,312	$6,329	$8,808	$9,418	$7,870	$8,831	**$56,428**	**$57,711**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$13,465	$6,774	$11,395	$47,752	$40,192	$90,716	$113,286	$134,968	$187,837	$200,851	$167,843	$188,345	**$1,203,424**	**$1,233,508**
Costs ($)		Planned	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	$351,512	**$4,218,145**	**$4,218,145**
Costs ($)		Variance	-$338,047	-$344,738	-$340,117	-$303,761	-$311,320	-$260,796	-$238,226	-$216,544	-$163,675	-$150,661	-$183,669	-$163,167	**-$3,014,721**	**-$2,984,637**
		Annual % of Planned	0%	0%	1%	2%	3%	5%	8%	11%	15%	20%	24%	29%	**29%**	**29%**
Participants[1]		Total (Gross)	0	0	0	0	32	56	102	128	168	173	171	188	**1,018**	**1,018**
		Planned	356	354	354	354	354	354	354	354	354	354	354	354	**4,250**	**4,250**
		Variance	-356	-354	-354	-354	-322	-298	-252	-226	-186	-181	-183	-166	**-3,232**	**-3,232**
		Annual % of Planned (Gross)	0%	0%	0%	0%	9%	16%	29%	36%	47%	49%	48%	53%	**24%**	**24%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	76,669	130,271	211,138	239,782	289,774	347,305	297,896	378,600	**1,971,437**	**1,971,437**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	76,669	130,271	211,138	239,782	289,774	347,305	297,896	378,600	**1,971,437**	**1,971,437**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	87%	87%	87%	87%	87%	87%	87%	87%	**87%**	**87%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	-9,967	-16,935	-27,448	-31,172	-37,671	-45,150	-38,727	-49,218	**-256,287**	**-256,287**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	66,702	113,336	183,690	208,611	252,104	302,156	259,170	329,382	**1,715,150**	**1,715,150**
		Planned Net Savings (kWh/yr)	496,415	493,626	493,626	493,626	493,626	493,626	493,626	493,626	493,626	493,626	493,626	493,626	**5,926,305**	**5,926,305**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	1.13%	3.04%	6.14%	9.66%	13.9%	19.0%	23.4%	28.9%	**28.9%**	**28.9%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,396	2,326	2,070	1,873	1,725	2,008	1,742	2,014	**1,937**	**1,937**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,084	2,024	1,801	1,630	1,501	1,747	1,516	1,752	**1,685**	**1,685**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	41.4	65.4	87.6	106.1	129.9	141.2	146.5	165.4	**883.5**	**883.5**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	41.4	65.4	87.6	106.1	129.9	141.2	146.5	165.4	**883.5**	**883.5**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	87%	87%	87%	87%	87%	87%	87%	87%	**87%**	**87%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-5.4	-8.5	-11.4	-13.8	-16.9	-18.4	-19.0	-21.5	**-114.9**	**-114.9**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	36.1	56.9	76.2	92.3	113.0	122.9	127.4	143.9	**768.6**	**768.6**
		Planned Net Savings (kW)	280.6	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	**3,350.3**	**3,350.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	1.08%	2.77%	5.05%	7.80%	11.2%	14.8%	18.6%	22.9%	**22.9%**	**22.9%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	1.3	1.2	0.9	0.8	0.8	0.8	0.9	0.9	**0.9**	**0.9**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.8	**0.8**	**0.8**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	9.1	18.9	40.6	41.1	50.6	67.3	44.3	70.6	**342.6**	**342.6**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	9.1	18.9	40.6	41.1	50.6	67.3	44.3	70.6	**342.6**	**342.6**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	87%	87%	87%	87%	87%	87%	87%	87%	**87%**	**87%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-1.2	-2.5	-5.3	-5.3	-6.6	-8.8	-5.8	-9.2	**-44.5**	**-44.5**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	7.9	16.4	35.4	35.8	44.0	58.6	38.6	61.4	**298.1**	**298.1**
		Planned Net Savings (kW)	280.6	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	**3,350.3**	**3,350.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.24%	0.73%	1.78%	2.85%	4.16%	5.91%	7.06%	8.90%	**8.90%**	**8.90%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.4	**0.3**	**0.3**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	**0.3**	**0.3**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	$175	$112	$80	$68	$62	$60	$57	$55	**$55**	**$57**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	$0.07	$0.05	$0.04	$0.03	$0.03	$0.03	$0.03	$0.03	**$0.03**	**$0.03**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	$135	$92	$78	$72	$70	$70	$66	$64	**$64**	**$65**
		Annual $EM&V per $Total	49.3%	32.8%	33.6%	13.4%	8.9%	13.4%	10.7%	9.6%	9.7%	10.8%	9.0%	8.0%	**8.0%**	**9.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	$1,000	$1,023	$892	$858	$847	$843	$840	$838	**$838**	**$838**

1. A participant is a unique account number.

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K.10.3 2020–2021 Virginia Residential New Construction Program Measure Indicator Tables

VA - Residential New Construction Program			2020	2021	2020-2021
Measures					
	Attached Housing	Total Participants	0	556	556
Installed kWh/year	Attached Housing	Total Gross Energy Savings (kWh/yr)	0	711,234	711,234
	Attached Housing	Net Adjusted Savings (kWh/yr)	0	618,773	618,773
Installed Summer peak kW	Attached Housing	Total Gross Demand Reduction (kW)	0.0	256.4	256.4
	Attached Housing	Net Adjusted Demand Reduction (kW)	0.0	223.0	223.0
Installed Winter peak kW	Attached Housing	Total Gross Demand Reduction (kW)	0.0	139.1	139.1
	Attached Housing	Net Adjusted Demand Reduction (kW)	0.0	121.0	121.0
	Single Family	Total Participants	0	462	462
Installed kWh/year	Single Family	Total Gross Energy Savings (kWh/yr)	0	1,260,203	1,260,203
	Single Family	Net Adjusted Savings (kWh/yr)	0	1,096,377	1,096,377
Installed Summer peak kW	Single Family	Total Gross Demand Reduction (kW)	0.0	627.1	627.1
	Single Family	Net Adjusted Demand Reduction (kW)	0.0	545.6	545.6
Installed Winter peak kW	Single Family	Total Gross Demand Reduction (kW)	0.0	203.5	203.5
	Single Family	Net Adjusted Demand Reduction (kW)	0.0	177.1	177.1

K.10.4 2020–2021 Virginia Residential New Construction Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RNCR	Not Available	1,685	1,394	121%	Not Available	Not Available

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K.11 Virginia Residential Smart Thermostat Purchase and WeatherSmart Program 2020–2021

K.11.1 2020–2021 Virginia Residential Smart Thermostat Purchase and WeatherSmart Program Annual Indicator Tables

VA - Residential Thermostat Purchase and WeatherSmart Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$4,253	$47,014	$51,267
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$99,671	$1,002,656	$1,102,327
Costs ($)		Planned	$0	$1,176,343	$1,176,343
Costs ($)		Variance	$99,671	-$173,686	-$74,015
		Annual % of Planned	N/A	85%	94%
Participants[1]		Total (Gross)	0	4,409	4,409
		Planned	2,127	3,982	6,109
		Variance	-2,127	427	-1,700
		Annual % of Planned (Gross)	0%	111%	72%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	1,862,596	1,862,596
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	1,862,596	1,862,596
		Net-To-Gross Rate Weighted by Measure	N/A	82%	82%
		Net-To-Gross Adjustment (kWh/yr)	0	-337,865	-337,865
		Net Adjusted Savings (kWh/yr)	0	1,524,730	1,524,730
		Planned Net Savings (kWh/yr)	914,610	1,712,260	2,626,870
		Annual % Toward Planned Net Savings	0%	89.0%	58.0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	422	422
		Avg. Net Savings Per Participant (kWh/yr)	N/A	346	346
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	170.2	318.6	488.7
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	170.2	318.6	488.7
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$11	$12
		Annual $Admin. per kWh/year (Gross)	N/A	$0.03	$0.03
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	31.0%	13.7%	15.3%

1. A participant is a unique account number.

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K.11.2 2021 Virginia Residential Smart Thermostat Purchase and WeatherSmart Program Monthly Indicator Tables

VA - Residential Thermostat Purchase and WeatherSmart Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,934	$2,170	$4,981	$3,335	$2,674	$5,865	$5,438	$5,458	$4,149	$4,196	$2,899	$3,913	**$47,014**	**$51,267**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$41,257	$46,278	$106,223	$71,134	$57,025	$125,092	$115,983	$116,406	$88,488	$89,482	$61,832	$83,457	**$1,002,656**	**$1,102,327**
Costs ($)		Planned	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	$98,029	**$1,176,343**	**$1,176,343**
Costs ($)		Variance	-$56,772	-$51,751	$8,194	-$26,894	-$41,004	$27,064	$17,954	$18,378	-$9,540	-$8,547	-$36,196	-$14,572	**-$173,686**	**-$74,015**
		Annual % of Planned	4%	7%	16%	23%	27%	38%	48%	58%	65%	73%	78%	85%	**85%**	**94%**
Participants[1]		Total (Gross)	41	85	545	958	542	288	475	314	297	267	272	325	**4,409**	**4,409**
		Planned	341	331	331	331	331	331	331	331	331	331	331	331	**3,982**	**6,109**
		Variance	-300	-246	214	627	211	-43	144	-17	-34	-64	-59	-6	**427**	**-1,700**
		Annual % of Planned (Gross)	12%	26%	165%	289%	164%	87%	144%	95%	90%	81%	82%	98%	**111%**	**72%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	20,388	50,237	240,335	243,478	141,721	124,869	268,639	162,181	155,617	147,890	129,547	177,693	**1,862,596**	**1,862,596**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	20,388	50,237	240,335	243,478	141,721	124,869	268,639	162,181	155,617	147,890	129,547	177,693	**1,862,596**	**1,862,596**
		Net-To-Gross Rate Weighted by Measure	80%	80%	82%	87%	87%	82%	80%	80%	80%	80%	81%	80%	**82%**	**82%**
		Net-To-Gross Adjustment (kWh/yr)	-4,078	-10,047	-44,349	-31,528	-18,734	-22,950	-53,504	-32,103	-30,905	-29,783	-24,712	-35,172	**-337,865**	**-337,865**
		Net Adjusted Savings (kWh/yr)	16,311	40,190	195,987	211,951	122,987	101,918	215,135	130,078	124,712	118,106	104,835	142,521	**1,524,730**	**1,524,730**
		Planned Net Savings (kWh/yr)	146,630	142,330	142,330	142,330	142,330	142,330	142,330	142,330	142,330	142,330	142,330	142,330	**1,712,260**	**2,626,870**
		Annual % Toward Planned Net Savings	0.95%	3.30%	14.7%	27.1%	34.3%	40.3%	52.8%	60.4%	67.7%	74.6%	80.7%	89.0%	**89.0%**	**58.0%**
		Avg. Gross Savings Per Participant (kWh/yr)	497	591	441	254	261	434	566	516	524	554	476	547	**422**	**422**
		Avg. Net Savings Per Participant (kWh/yr)	398	473	360	221	227	354	453	414	420	442	385	439	**346**	**346**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	27.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	**318.6**	**488.7**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	27.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	**318.6**	**488.7**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	$47	$33	$14	$8	$7	$9	$9	$10	$10	$11	$11	$11	**$11**	**$12**
		Annual $Admin. per kWh/year (Gross)	$0.09	$0.06	$0.03	$0.02	$0.02	$0.03	$0.02	$0.03	$0.03	$0.03	$0.03	$0.03	**$0.03**	**$0.03**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	9.1%	4.3%	7.9%	5.8%	4.8%	14.6%	11.7%	15.6%	14.8%	15.2%	14.2%	13.7%	**13.7%**	**15.3%**
		Annual $Rebate per Participant (Gross)	$127	$130	$95	$57	$51	$56	$68	$73	$78	$82	$84	$87	**$87**	**$87**

1. A participant is a unique account number.

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K.11.3 2019–2021 Virginia Residential Smart Thermostat Purchase and WeatherSmart Program Measure Indicator Tables

VA - Residential Thermostat Purchase and WeatherSmart Program			2020	2021	2020-2021
Measures					
	Smart Thermostat Purchase	Total Participants	0	2,939	2,939
Installed kWh/year	Smart Thermostat Purchase	Total Gross Energy Savings (kWh/yr)	0	1,631,570	1,631,570
	Smart Thermostat Purchase	Net Adjusted Savings (kWh/yr)	0	1,305,256	1,305,256
Installed Summer peak kW	Smart Thermostat Purchase	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Purchase	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Total Participants	0	1,098	1,098
Installed kWh/year	Smart Thermostat Purchase - EFI	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Purchase - EFI	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Purchase - EFI	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Purchase - EFI	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Total Participants	0	1,470	1,470
Installed kWh/year	System Optimization	Total Gross Energy Savings (kWh/yr)	0	231,025	231,025
	System Optimization	Net Adjusted Savings (kWh/yr)	0	219,474	219,474
Installed Summer peak kW	System Optimization	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	System Optimization	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Total Participants	0	0	0
Installed kWh/year	System Optimization Detailed	Total Gross Energy Savings (kWh/yr)	0	0	0
	System Optimization Detailed	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	System Optimization Detailed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	System Optimization Detailed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.11.4 2019–2021 Virginia Residential Smart Thermostat Purchase and WeatherSmart Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RTEERTEB	Schedule 1S	712	359	198%	27,067	3%
RTEERTEB	Schedule 1	245	359	68%	12,403	2%
RTEERTEB	Schedule 1T	170	359	47%	17,633	1%
RTEERTEB	Schedule 27	60	359	17%	Not Available	Not Available
RTEERTEB	Schedule 1EV	100	359	28%	18,888	1%
RTEERTEB	Schedule 1G	373	359	104%	Not Available	Not Available
RTEERTEB	Schedule 1P	149	359	41%	31,734	0%

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K.12 Virginia Residential Smart Home Program 2021

K.12.1 2021 Virginia Residential Smart Home Program Monthly Indicator Tables

VA - Residential Smart Home Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$270	**$425**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,302	$5,756	**$9,058**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,302	$5,756	**$9,058**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	49.0%	**49.0%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.13 Virginia Residential Virtual Audit Program 2021

K.13.1 2021 Virginia Residential Virtual Audit Program Monthly Indicator Tables

VA - Residential Virtual Audit Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$54	**$209**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$1,154	**$4,465**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$1,154	**$4,465**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	**0.0%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.14 Virginia Residential Water Savings Program 2021

K.14.1 2021 Virginia Residential Water Savings Program Monthly Indicator Tables

VA - Residential Water Savings Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12	$166	$300	**$478**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$254	$3,547	$6,397	**$10,197**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$254	$3,547	$6,397	**$10,197**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	45.6%	**45.6%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.15 Virginia Residential Income and Age Qualifying Home Improvement Program 2015–2021

K.15.1 2015–2021 Virginia Residential Income and Age Qualifying Home Improvement Annual Indicator Tables

VA - Residential Income and Age Qualifying Home Improvement Program			2015	2016	2017	2018	2019	2020	2021	2015-2021
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate								
O&M ($)		Direct Implementation								
O&M ($)		Direct EM&V								
O&M ($)		Indirect Other (Administrative)	$48,256	$191,950	$199,872	$80,889	$166,845	$89,410	$78,882	$856,103
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$2,069,822	$6,315,785	$5,079,529	$1,432,463	$4,050,714	$1,678,260	$1,682,300	$22,308,872
Costs ($)		Planned	$3,056,782	$5,856,409	$4,648,601	$2,371,260	$4,192,450	$4,381,475	$2,232,429	$26,739,407
Costs ($)		Variance	-$986,960	$459,376	$430,927	-$938,797	-$141,736	-$2,703,215	-$550,129	-$4,430,534
		Annual % of Planned	68%	108%	109%	60%	97%	38%	75%	83%
Participants[1]		Total (Gross)	1,523	8,403	5,970	1,141	5,897	1,047	1,867	25,848
		Planned	1,849	3,843	3,846	2,000	4,218	4,218	1,880	21,854
		Variance	-326	4,560	2,124	-859	1,679	-3,171	-13	3,994
		Annual % of Planned (Gross)	82%	219%	155%	57%	140%	25%	99%	118%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	984,230	3,575,492	2,443,920	447,775	1,453,805	223,320	459,164	9,587,706
		Realization Rate Weighted by Measure	105%	105%	105%	105%	105%	105%	100%	105%
		Realization Rate Adjustment (kWh/yr)	49,212	178,775	122,196	22,389	72,690	11,166	0	456,427
		Realization Rate Adjusted Savings (kWh/yr)	1,033,442	3,754,267	2,566,116	470,164	1,526,495	234,486	459,164	10,044,134
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	80%	99%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	-91,833	-91,833
		Net Adjusted Savings (kWh/yr)	1,033,442	3,754,267	2,566,116	470,164	1,526,495	234,486	367,331	9,952,301
		Planned Net Savings (kWh/yr)	1,810,380	998,136	765,945	175,247	728,300	2,120,348	697,856	7,296,212
		Annual % Toward Planned Net Savings	57.1%	376.1%	335.0%	268.3%	209.6%	11.1%	52.6%	136.4%
		Avg. Gross Savings Per Participant (kWh/yr)	646	426	409	392	247	213	246	371
		Avg. Net Savings Per Participant (kWh/yr)	679	447	430	412	259	224	197	385
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	80.2	398.0	229.2	34.9	229.3	58.4	57.9	1,087.8
		Realization Rate Weighted by Measure	105%	105%	105%	105%	105%	105%	100%	105%
		Realization Rate Adjustment (kW)	4.0	19.9	11.5	1.7	11.5	2.9	0.0	51.5
		Realization Rate Adjusted Gross Demand Reduction (kW)	84.2	417.9	240.6	36.6	240.7	61.3	57.9	1,139.3
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	80%	99%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-11.6	-11.6
		Net Adjusted Demand Reduction (kW)	84.2	417.9	240.6	36.6	240.7	61.3	46.3	1,127.7
		Planned Net Savings (kW)	415.0	217.7	170.2	0.0	75.6	205.1	135.4	1,218.9
		Annual % Toward Planned Net Reduction	20.3%	192.0%	141.4%	N/A	318.6%	29.9%	34.2%	92.5%
		Avg. Gross Demand Reduction Per Participant (kW)	0.05	0.05	0.04	0.03	0.04	0.06	0.03	0.04
		Avg. Net Demand Reduction Per Participant (kW)	0.06	0.05	0.04	0.03	0.04	0.06	0.02	0.04
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	155.4	155.4
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	155.4	155.4
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-31.1	-31.1
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	124.4	124.4
		Planned Net Savings (kW)	415.0	217.7	170.2	0.0	75.6	205.1	135.4	1,218.9
		Annual % Toward Planned Net Reduction	0%	0%	0%	N/A	0%	0%	91.9%	10.2%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.01
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.00
Program Perfomance		Annual $Admin. per Participant (Gross)	$32	$23	$33	$71	$28	$85	$42	$33
		Annual $Admin. per kWh/year (Gross)	$0.05	$0.05	$0.08	$0.18	$0.11	$0.40	$0.17	$0.09
		Annual $Admin. per kW (Gross)	$602	$482	$872	$2,318	$728	$1,532	$1,362	$787
		Annual $EM&V per $Total	0.6%	1.4%	2.3%	6.8%	2.4%	5.6%	7.5%	2.8%
		Annual $Rebate per Participant (Gross)	$582	$612	$644	$626	$518	$948	$613	$610

1. A participant is a unique account number.

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K.15.2 2021 Virginia Residential Income and Age Qualifying Home Improvement Monthly Indicator Tables

VA - Residential Income and Age Qualifying Home Improvement Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2015-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,460	$1,500	$6,616	$17,816	$44,815	$2,893	$1,786	$172	$235	$331	$0	$257	**$78,882**	**$856,103**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$52,469	$31,989	$141,091	$379,958	$955,764	$61,709	$38,093	$3,676	$5,008	$7,061	$0	$5,482	**$1,682,300**	**$22,308,872**
Costs ($)		Planned	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	$186,036	**$2,232,429**	**$26,739,407**
Costs ($)		Variance	-$133,567	-$154,047	-$44,945	$193,922	$769,728	-$124,327	-$147,942	-$182,360	-$181,028	-$178,975	-$186,036	-$180,554	**-$550,129**	**-$4,430,534**
		Annual % of Planned	2%	4%	10%	27%	70%	73%	74%	75%	75%	75%	75%	75%	**75%**	**83%**
Participants[1]		Total (Gross)	0	0	168	646	1,053	0	0	0	0	0	0	0	**1,867**	**25,848**
		Planned	164	156	156	156	156	156	156	156	156	156	156	156	**1,880**	**21,854**
		Variance	-164	-156	12	490	897	-156	-156	-156	-156	-156	-156	-156	**-13**	**3,994**
		Annual % of Planned (Gross)	0%	0%	108%	414%	675%	0%	0%	0%	0%	0%	0%	0%	**99%**	**118%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	84,173	134,319	240,672	0	0	0	0	0	0	0	**459,164**	**9,587,706**
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%	100%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**100%**	**105%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**456,427**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	84,173	134,319	240,672	0	0	0	0	0	0	0	**459,164**	**10,044,134**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	80%	80%	80%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**80%**	**99%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	-16,835	-26,864	-48,134	0	0	0	0	0	0	0	**-91,833**	**-91,833**
		Net Adjusted Savings (kWh/yr)	0	0	67,338	107,455	192,538	0	0	0	0	0	0	0	**367,331**	**9,952,301**
		Planned Net Savings (kWh/yr)	60,877	57,907	57,907	57,907	57,907	57,907	57,907	57,907	57,907	57,907	57,907	57,907	**697,856**	**7,296,212**
		Annual % Toward Planned Net Savings	0%	0%	9.65%	25.0%	52.6%	52.6%	52.6%	52.6%	52.6%	52.6%	52.6%	52.6%	**52.6%**	**136.4%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	501	208	229	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**246**	**371**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	401	166	183	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**197**	**385**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	7.5	16.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**57.9**	**1,087.8**
		Realization Rate Weighted by Measure	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	**100%**	**105%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**51.5**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	7.5	16.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**57.9**	**1,139.3**
		Net-To-Gross Rate Weighted by Measure	0%	0%	80%	80%	80%	0%	0%	0%	0%	0%	0%	0%	**80%**	**99%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	-1.5	-3.2	-6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-11.6**	**-11.6**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	6.0	12.8	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**46.3**	**1,127.7**
		Planned Net Savings (kW)	11.8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	**135.4**	**1,218.9**
		Annual % Toward Planned Net Reduction	0%	0%	4.43%	13.9%	34.2%	34.2%	34.2%	34.2%	34.2%	34.2%	34.2%	34.2%	**34.2%**	**92.5%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.04	0.02	0.03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.03**	**0.04**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.04	0.02	0.03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.02**	**0.04**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	15.7	37.1	102.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**155.4**	**155.4**
		Realization Rate Weighted by Measure	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	15.7	37.1	102.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**155.4**	**155.4**
		Net-To-Gross Rate Weighted by Measure	0%	0%	80%	80%	80%	0%	0%	0%	0%	0%	0%	0%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	-3.1	-7.4	-20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-31.1**	**-31.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	12.6	29.7	82.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**124.4**	**124.4**
		Planned Net Savings (kW)	11.8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	**135.4**	**1,218.9**
		Annual % Toward Planned Net Reduction	0%	0%	9.30%	31.2%	91.9%	91.9%	91.9%	91.9%	91.9%	91.9%	91.9%	91.9%	**91.9%**	**10.2%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.09	0.06	0.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.08**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.07	0.05	0.08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.07**	**0.00**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	$63	$35	$39	$41	$42	$42	$42	$42	$42	$42	**$42**	**$33**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	$0.13	$0.13	$0.16	$0.17	$0.17	$0.17	$0.17	$0.17	$0.17	$0.17	**$0.17**	**$0.09**
		Annual $Admin. per kW (Gross)	N/A	N/A	$1,410	$1,206	$1,264	$1,314	$1,344	$1,347	$1,351	$1,357	$1,357	$1,362	**$1,362**	**$787**
		Annual $EM&V per $Total	37.0%	23.0%	8.8%	5.7%	2.2%	4.4%	6.4%	6.6%	6.8%	7.2%	7.2%	7.5%	**7.5%**	**2.8%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	$644	$452	$613	$613	$613	$613	$613	$613	$613	$613	**$613**	**$610**

1. A participant is a unique account number.

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K.15.3 2015–2021 Virginia Residential Income and Age Qualifying Home Improvement Measure Indicator Tables

VA - Residential Income and Age Qualifying Home Improvement Program			2015	2016	2017	2018	2019	2020	2021	2015-2021
Measures										
	Bathroom Aerator	Total Participants	945	4,343	2,371	473	1,069	96	262	9,559
Installed kWh/year	Bathroom Aerator	Total Gross Energy Savings (kWh/yr)	56,664	101,076	64,162	18,650	32,009	3,503	9,815	285,880
	Bathroom Aerator	Net Adjusted Savings (kWh/yr)	59,497	106,130	67,370	19,582	33,609	3,678	7,852	297,720
Installed Summer peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	6.7	12.0	7.6	1.8	3.5	0.3	1.1	33.2
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	7.1	12.6	8.0	1.9	3.7	0.3	0.9	34.6
Installed Winter peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
	Kitchen Aerator	Total Participants	260	4,165	2,613	600	1,014	76	164	8,892
Installed kWh/year	Kitchen Aerator	Total Gross Energy Savings (kWh/yr)	5,719	82,600	57,771	36,212	61,009	4,540	10,890	258,739
	Kitchen Aerator	Net Adjusted Savings (kWh/yr)	6,005	86,730	60,659	38,022	64,059	4,767	8,712	268,953
Installed Summer peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	0.7	9.8	6.9	1.5	2.6	0.2	0.4	22.1
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	0.7	10.3	7.2	1.6	2.7	0.2	0.3	23.1
Installed Winter peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
	Pipe Insulation	Total Participants	335	3,235	2,441	435	633	44	130	7,253
Installed kWh/year	Pipe Insulation	Total Gross Energy Savings (kWh/yr)	19,513	267,218	152,643	120,115	41,339	2,447	8,827	612,101
	Pipe Insulation	Net Adjusted Savings (kWh/yr)	20,488	280,579	160,276	126,120	43,406	2,570	7,061	640,500
Installed Summer peak kW	Pipe Insulation	Total Gross Demand Reduction (kW)	2.2	30.5	17.4	13.7	4.7	0.3	1.0	69.9
	Pipe Insulation	Net Adjusted Demand Reduction (kW)	2.3	32.0	18.3	14.4	5.0	0.3	0.8	73.1
Installed Winter peak kW	Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
	Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
	Showerhead	Total Participants	955	4,383	2,339	427	879	125	255	9,363
Installed kWh/year	Showerhead	Total Gross Energy Savings (kWh/yr)	415,617	683,768	424,089	105,743	172,285	24,453	57,967	1,883,922
	Showerhead	Net Adjusted Savings (kWh/yr)	436,397	717,956	445,294	111,030	180,900	25,675	46,374	1,963,626
Installed Summer peak kW	Showerhead	Total Gross Demand Reduction (kW)	22.1	61.9	33.0	5.9	10.3	1.4	3.1	137.7
	Showerhead	Net Adjusted Demand Reduction (kW)	23.2	65.0	34.6	6.2	10.8	1.5	2.5	143.8
Installed Winter peak kW	Showerhead	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
	Showerhead	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5

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VA - Residential Income and Age Qualifying Home Improvement Program			2015	2016	2017	2018	2019	2020	2021	2015-2021
Measures										
	40W LED	Total Participants	216	1,345	2,054	453	3,022	266	636	7,992
Installed kWh/year	40W LED	Total Gross Energy Savings (kWh/yr)	34,267	132,984	243,873	39,440	315,170	20,056	65,193	850,984
	40W LED	Net Adjusted Savings (kWh/yr)	35,981	139,634	256,066	41,412	330,928	21,059	52,155	877,235
Installed Summer peak kW	40W LED	Total Gross Demand Reduction (kW)	3.1	15.1	26.7	4.0	28.8	1.8	6.0	85.6
	40W LED	Net Adjusted Demand Reduction (kW)	3.3	15.9	28.0	4.2	30.3	1.9	4.8	88.4
Installed Winter peak kW	40W LED	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	12.8	12.8
	40W LED	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	10.2	10.2
	60W LED	Total Participants	1,484	7,903	4,728	541	3,393	230	1,086	19,365
Installed kWh/year	60W LED	Total Gross Energy Savings (kWh/yr)	378,739	1,565,237	925,244	46,541	395,413	20,540	173,820	3,505,532
	60W LED	Net Adjusted Savings (kWh/yr)	397,676	1,643,498	971,506	48,868	415,183	21,567	139,056	3,637,354
Installed Summer peak kW	60W LED	Total Gross Demand Reduction (kW)	34.7	178.2	101.3	4.8	36.2	1.9	15.9	372.9
	60W LED	Net Adjusted Demand Reduction (kW)	36.4	187.1	106.3	5.0	38.0	2.0	12.7	387.6
Installed Winter peak kW	60W LED	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	34.0	34.0
	60W LED	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	27.2	27.2
	Air Sealing	Total Participants	0	0	0	0	0	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Attic Insulation	Total Participants	626	3,974	2,718	555	2,051	861	705	11,490
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	73,712	742,610	576,138	81,074	436,580	147,782	132,651	2,190,548
	Attic Insulation	Net Adjusted Savings (kWh/yr)	77,398	779,740	604,945	85,128	458,409	155,172	106,121	2,266,913
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	10.6	90.4	36.3	3.1	143.2	52.4	30.4	366.5
	Attic Insulation	Net Adjusted Demand Reduction (kW)	11.1	94.9	38.1	3.3	150.3	55.0	24.4	377.2
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	103.1	103.1
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	82.5	82.5

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K.15.4 2015–2021 Virginia Residential Income and Age Qualifying Home Improvement Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
EAL3	Schedule 100	582	309	188%	Not Available	Not Available
EAL3	Schedule DP-R	1,533	309	496%	11,759	13%
EAL3	Schedule GS-1	550	309	178%	16,481	3%
EAL3	Schedule 1	385	309	124%	12,403	3%

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K.16 Virginia Residential HVAC Health and Safety Program 2020–2021

K.16.1 2020-2021 Virginia Residential HVAC Health and Safety Program Annual Indicator Tables

VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$2,122	$426,441	$428,562
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$49,722	$9,094,648	$9,144,370
Costs ($)		Planned	$0	$10,821,869	$10,821,869
Costs ($)		Variance	$49,722	-$1,727,220	-$1,677,498
		Annual % of Planned	N/A	84%	84%
Participants[1]		Total (Gross)	0	3,361	3,361
		Planned	0	8,791	8,791
		Variance	0	-5,430	-5,430
		Annual % of Planned (Gross)	N/A	38%	38%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	1,341,418	1,341,418
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	1,341,418	1,341,418
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-268,284	-268,284
		Net Adjusted Savings (kWh/yr)	0	1,073,134	1,073,134
		Planned Net Savings (kWh/yr)	0	5,823,158	5,823,158
		Annual % Toward Planned Net Savings	N/A	18.4%	18.4%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	399	399
		Avg. Net Savings Per Participant (kWh/yr)	N/A	319	319
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	200.2	200.2
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	200.2	200.2
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	-40.0	-40.0
		Net Adjusted Demand Reduction (kW)	0.0	160.2	160.2
		Planned Net Savings (kW)	0.0	10,079.3	10,079.3
		Annual % Toward Planned Net Reduction	N/A	1.59%	1.59%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.06	0.06
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.05	0.05
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	295.0	295.0
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	295.0	295.0
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	-59.0	-59.0
		Net Adjusted Demand Reduction (kW)	0.0	236.0	236.0
		Planned Net Savings (kW)	0.0	10,079.3	10,079.3
		Annual % Toward Planned Net Reduction	N/A	2.34%	2.34%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.09	0.09
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.07	0.07
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$127	$128
		Annual $Admin. per kWh/year (Gross)	N/A	$0.32	$0.32
		Annual $Admin. per kW (Gross)	N/A	$2,130	$2,141
		Annual $EM&V per $Total	93.0%	1.8%	2.3%
		Annual $Rebate per Participant (Gross)	N/A	$2,141	$2,141

1. .A participant is a unique account number

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.16.2 2021 Virginia Residential HVAC Health and Safety Program Monthly Indicator Tables

VA - Residential HVAC Health and Safety Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,455	$118	$3,816	$1,219	$9,930	$7,760	$7,541	$10,307	$82,491	$76,600	$117,143	$108,061	**$426,441**	**$428,562**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$31,034	$2,512	$81,393	$25,988	$211,774	$165,497	$160,818	$219,817	$1,759,272	$1,633,631	$2,498,304	$2,304,605	**$9,094,648**	**$9,144,370**
Costs ($)		Planned	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	$901,822	**$10,821,869**	**$10,821,869**
Costs ($)		Variance	-$870,788	-$899,310	-$820,429	-$875,834	-$690,048	-$736,325	-$741,004	-$682,005	$857,450	$731,809	$1,596,481	$1,402,783	**-$1,727,220**	**-$1,677,498**
		Annual % of Planned	0%	0%	1%	1%	3%	5%	6%	8%	25%	40%	63%	84%	**84%**	**84%**
Participants[1]		Total (Gross)	0	0	0	0	356	43	117	28	576	515	888	838	**3,361**	**3,361**
		Planned	739	732	732	732	732	732	732	732	732	732	732	732	**8,791**	**8,791**
		Variance	-739	-732	-732	-732	-376	-689	-615	-704	-156	-217	156	106	**-5,430**	**-5,430**
		Annual % of Planned (Gross)	0%	0%	0%	0%	49%	6%	16%	4%	79%	70%	121%	114%	**38%**	**38%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	97,258	17,490	35,608	22,812	215,071	208,238	299,585	445,355	**1,341,418**	**1,341,418**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	97,258	17,490	35,608	22,812	215,071	208,238	299,585	445,355	**1,341,418**	**1,341,418**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	-19,452	-3,498	-7,122	-4,562	-43,014	-41,648	-59,917	-89,071	**-268,284**	**-268,284**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	77,806	13,992	28,486	18,249	172,057	166,591	239,668	356,284	**1,073,134**	**1,073,134**
		Planned Net Savings (kWh/yr)	489,514	484,877	484,877	484,877	484,877	484,877	484,877	484,877	484,877	484,877	484,877	484,877	**5,823,158**	**5,823,158**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	1.34%	1.58%	2.07%	2.38%	5.33%	8.19%	12.3%	18.4%	**18.4%**	**18.4%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	273	407	304	815	373	404	337	531	**399**	**399**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	219	325	243	652	299	323	270	425	**319**	**319**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2.5	3.6	2.7	13.7	27.6	24.7	27.2	98.2	**200.2**	**200.2**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2.5	3.6	2.7	13.7	27.6	24.7	27.2	98.2	**200.2**	**200.2**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-0.5	-0.7	-0.5	-2.7	-5.5	-4.9	-5.4	-19.6	**-40.0**	**-40.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	2.0	2.9	2.2	11.0	22.1	19.7	21.7	78.6	**160.2**	**160.2**
		Planned Net Savings (kW)	847.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	**10,079.3**	**10,079.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.02%	0.05%	0.07%	0.18%	0.40%	0.59%	0.81%	1.59%	**1.59%**	**1.59%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.01	0.08	0.02	0.5	0.05	0.05	0.03	0.1	**0.06**	**0.06**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.01	0.07	0.02	0.4	0.04	0.04	0.02	0.09	**0.05**	**0.05**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	6.4	5.9	4.6	17.6	40.9	51.4	43.8	124.2	**295.0**	**295.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	6.4	5.9	4.6	17.6	40.9	51.4	43.8	124.2	**295.0**	**295.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	80%	80%	80%	80%	80%	80%	80%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-1.3	-1.2	-0.9	-3.5	-8.2	-10.3	-8.8	-24.8	**-59.0**	**-59.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	5.1	4.7	3.7	14.1	32.7	41.2	35.0	99.4	**236.0**	**236.0**
		Planned Net Savings (kW)	847.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	**10,079.3**	**10,079.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.05%	0.10%	0.13%	0.27%	0.60%	1.01%	1.36%	2.34%	**2.34%**	**2.34%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.02	0.1	0.04	0.6	0.07	0.10	0.05	0.1	**0.09**	**0.09**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.01	0.1	0.03	0.5	0.06	0.08	0.04	0.1	**0.07**	**0.07**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	$46	$61	$62	$77	$111	$123	$126	$127	**$127**	**$128**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	$0.17	$0.21	$0.21	$0.24	$0.32	$0.34	$0.36	$0.32	**$0.32**	**$0.32**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	$6,707	$3,990	$3,618	$1,871	$2,487	$2,690	$3,122	$2,130	**$2,130**	**$2,141**
		Annual $EM&V per $Total	83.9%	77.6%	29.8%	24.3%	9.7%	17.7%	15.3%	13.2%	5.1%	3.8%	2.4%	1.8%	**1.8%**	**2.3%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	$433	$540	$607	$844	$1,691	$1,968	$2,096	$2,141	**$2,141**	**$2,141**

1. A participant is a unique account number.

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K.16.3 2020–2021 Virginia Residential HVAC Health and Safety Program Measure Indicator Tables

VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Measures					
	Roof repairs	Total Participants	0	11	11
Installed kWh/year	Roof repairs	Total Gross Energy Savings (kWh/yr)	0	0	0
	Roof repairs	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Roof repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Roof repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Roof repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Roof repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Thermostat replacement	Total Participants	0	2,936	2,936
Installed kWh/year	Thermostat replacement	Total Gross Energy Savings (kWh/yr)	0	792,203	792,203
	Thermostat replacement	Net Adjusted Savings (kWh/yr)	0	633,763	633,763
Installed Summer peak kW	Thermostat replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Thermostat replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Thermostat replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Thermostat replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Measures					
	Insulation repair/upgrade floor	Total Participants	0	450	450
Installed kWh/year	Insulation repair/upgrade floor	Total Gross Energy Savings (kWh/yr)	0	79,730	79,730
	Insulation repair/upgrade floor	Net Adjusted Savings (kWh/yr)	0	63,784	63,784
Installed Summer peak kW	Insulation repair/upgrade floor	Total Gross Demand Reduction (kW)	0.0	18.4	18.4
	Insulation repair/upgrade floor	Net Adjusted Demand Reduction (kW)	0.0	14.7	14.7
Installed Winter peak kW	Insulation repair/upgrade floor	Total Gross Demand Reduction (kW)	0.0	56.9	56.9
	Insulation repair/upgrade floor	Net Adjusted Demand Reduction (kW)	0.0	45.5	45.5
	Insulation repair/upgrade wall	Total Participants	0	14	14
Installed kWh/year	Insulation repair/upgrade wall	Total Gross Energy Savings (kWh/yr)	0	1,466	1,466
	Insulation repair/upgrade wall	Net Adjusted Savings (kWh/yr)	0	1,173	1,173
Installed Summer peak kW	Insulation repair/upgrade wall	Total Gross Demand Reduction (kW)	0.0	0.5	0.5
	Insulation repair/upgrade wall	Net Adjusted Demand Reduction (kW)	0.0	0.4	0.4
Installed Winter peak kW	Insulation repair/upgrade wall	Total Gross Demand Reduction (kW)	0.0	1.0	1.0
	Insulation repair/upgrade wall	Net Adjusted Demand Reduction (kW)	0.0	0.8	0.8
	Mold/mildew removal	Total Participants	0	1	1
Installed kWh/year	Mold/mildew removal	Total Gross Energy Savings (kWh/yr)	0	0	0
	Mold/mildew removal	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Mold/mildew removal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Mold/mildew removal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Mold/mildew removal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Mold/mildew removal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Re-wiring	Total Participants	0	13	13
Installed kWh/year	Re-wiring	Total Gross Energy Savings (kWh/yr)	0	0	0
	Re-wiring	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Re-wiring	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Re-wiring	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Re-wiring	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Re-wiring	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Measures					
	Fire and fall safety checks / enhancements	Total Participants	0	522	522
Installed kWh/year	Fire and fall safety checks / enhancements	Total Gross Energy Savings (kWh/yr)	0	0	0
	Fire and fall safety checks / enhancements	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Fire and fall safety checks / enhancements	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Fire and fall safety checks / enhancements	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Fire and fall safety checks / enhancements	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Fire and fall safety checks / enhancements	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Total Participants	0	752	752
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	247,643	247,643
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	198,115	198,115
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	105.5	105.5
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	84.4	84.4
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	133.1	133.1
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	106.5	106.5
	HVAC / home ventilation improvements	Total Participants	0	167	167
Installed kWh/year	HVAC / home ventilation improvements	Total Gross Energy Savings (kWh/yr)	0	5,849	5,849
	HVAC / home ventilation improvements	Net Adjusted Savings (kWh/yr)	0	4,679	4,679
Installed Summer peak kW	HVAC / home ventilation improvements	Total Gross Demand Reduction (kW)	0.0	0.7	0.7
	HVAC / home ventilation improvements	Net Adjusted Demand Reduction (kW)	0.0	0.6	0.6
Installed Winter peak kW	HVAC / home ventilation improvements	Total Gross Demand Reduction (kW)	0.0	0.7	0.7
	HVAC / home ventilation improvements	Net Adjusted Demand Reduction (kW)	0.0	0.6	0.6
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Measures					
	Combustion appliance safety checks / enhancements	Total Participants	0	3	3
Installed kWh/year	Combustion appliance safety checks / enhancements	Total Gross Energy Savings (kWh/yr)	0	0	0
	Combustion appliance safety checks / enhancements	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Combustion appliance safety checks / enhancements	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Combustion appliance safety checks / enhancements	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Combustion appliance safety checks / enhancements	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Combustion appliance safety checks / enhancements	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Dehumidifiers	Total Participants	0	1	1
Installed kWh/year	Dehumidifiers	Total Gross Energy Savings (kWh/yr)	0	0	0
	Dehumidifiers	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Dehumidifiers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Dehumidifiers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Dehumidifiers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Dehumidifiers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Total Participants	0	0	0
Installed kWh/year	Duct Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Total Participants	0	354	354
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	0	191,965	191,965
	Duct Sealing	Net Adjusted Savings (kWh/yr)	0	153,572	153,572
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	73.3	73.3
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	58.6	58.6
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	79.8	79.8
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	63.9	63.9

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VA - Residential HVAC Health and Safety Program			2020	2021	2020-2021
Measures					
	Air quality control	Total Participants	0	18	18
Installed kWh/year	Air quality control	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air quality control	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air quality control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air quality control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air quality control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air quality control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Air sealing	Total Participants	0	127	127
Installed kWh/year	Air sealing	Total Gross Energy Savings (kWh/yr)	0	22,562	22,562
	Air sealing	Net Adjusted Savings (kWh/yr)	0	18,050	18,050
Installed Summer peak kW	Air sealing	Total Gross Demand Reduction (kW)	0.0	1.9	1.9
	Air sealing	Net Adjusted Demand Reduction (kW)	0.0	1.5	1.5
Installed Winter peak kW	Air sealing	Total Gross Demand Reduction (kW)	0.0	23.4	23.4
	Air sealing	Net Adjusted Demand Reduction (kW)	0.0	18.7	18.7
	Assessments of indoor air quality	Total Participants	0	109	109
Installed kWh/year	Assessments of indoor air quality	Total Gross Energy Savings (kWh/yr)	0	0	0
	Assessments of indoor air quality	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Assessments of indoor air quality	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Assessments of indoor air quality	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Assessments of indoor air quality	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Assessments of indoor air quality	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Carbon monoxide detectors and sources	Total Participants	0	989	989
Installed kWh/year	Carbon monoxide detectors and sources	Total Gross Energy Savings (kWh/yr)	0	0	0
	Carbon monoxide detectors and sources	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Carbon monoxide detectors and sources	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Carbon monoxide detectors and sources	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Carbon monoxide detectors and sources	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Carbon monoxide detectors and sources	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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K.16.4 2020–2021 Virginia Residential HVAC Health and Safety Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RHVC	101	Schedule 1S	625	662	94%	27,067	2%
RHVC	260	Schedule 1G	202	662	31%	Not Available	Not Available
RHVC	100	Schedule 1	319	662	48%	12,403	3%
RHVC	110	Schedule GS-1	279	662	42%	16,481	2%

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K.17 Virginia Residential Income and Age Qualifying Home Improvement Program (DSM Phase IX) 2021

K.17.1 2020–2021 Virginia Residential Income and Age Qualifying Home Improvement (DSM Phase IX) Monthly Indicator Tables

VA - Residential Income and Age Qualifying Home Improvement Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$157	$579	**$736**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,348	$12,349	**$15,696**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,348	$12,349	**$15,696**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	68.2%	**68.2%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.18 Virginia Residential and Non-Residential Solar (HS 2789) Program 2021

K.18.1 2021 Virginia Residential and Non-Residential Solar (HS 2789) Program Monthly Indicator Tables

VA - HB2789 Residential Solar Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$73	$228	$214	**$514**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,549	$4,861	$4,553	**$10,963**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,549	$4,861	$4,553	**$10,963**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	25.7%	**25.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

1. A participant is a unique account number.

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2. The 2017 total gross deemed savings values reported in this table include adjustments of 12183 kWh/year and -1.1 kW made to the January 2017 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017. Specifically, the correction was in section 2.1.5 for “Low-Flow Showerhead” measures, to the “ΔT” variable, which is a measure of the change in temperature of the water used for shower and temperature entering the house (ΔT = Tshower – Tin house). STEP Manual 7.0.0 reported the value as 44.9°F, but has been corrected to 44.1°F. This correction is reflected in STEP Manual version 8.0.0 in this EM&V report.

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K.19 Virginia Non-Residential Small Business Improvement Program 2016–2021

K.19.1 2016–2021 Virginia Non-Residential Small Business Improvement Program Annual Indicator Tables

VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate							
O&M ($)		Direct Implementation							
O&M ($)		Direct EM&V							
O&M ($)		Indirect Other (Administrative)	$21,431	$150,600	$190,612	$162,502	$146,422	$37,548	$709,115
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$705,139	$3,827,332	$3,375,566	$3,446,135	$2,789,194	$800,775	$14,944,141
Costs ($)		Planned	$2,306,687	$5,322,647	$6,548,890	$7,784,513	$8,769,684	$627,060	$31,359,481
Costs ($)		Variance	-$1,601,548	-$1,495,315	-$3,173,324	-$4,338,378	-$5,980,489	$173,715	-$16,415,341
		Annual % of Planned	31%	72%	52%	44%	32%	128%	48%
Participants[1]		Total (Gross)	67	937	510	503	327	68	2,412
		Planned	216	635	780	928	1,075	0	3,634
		Variance	-149	302	-270	-425	-748	68	-1,222
		Annual % of Planned (Gross)	31%	148%	65%	54%	30%	N/A	66%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	656,801	14,699,005	15,998,914	11,648,664	8,097,820	1,808,558	52,909,762
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	656,801	14,699,005	15,998,914	11,648,664	8,097,820	1,808,558	52,909,762
		Net-To-Gross Rate Weighted by Measure	93%	93%	93%	93%	93%	93%	93%
		Net-To-Gross Adjustment (kWh/yr)	-45,976	-1,028,930	-1,119,924	-815,407	-566,847	-126,599	-3,703,683
		Net Adjusted Savings (kWh/yr)	610,825	13,670,074	14,878,990	10,833,258	7,530,972	1,681,959	49,206,079
		Planned Net Savings (kWh/yr)	1,254,097	4,323,476	5,760,927	9,774,740	29,581,410	0	50,694,651
		Annual % Toward Planned Net Savings	48.7%	316.2%	258.3%	110.8%	25.5%	N/A	97.1%
		Avg. Gross Savings Per Participant (kWh/yr)	9,803	15,687	31,370	23,158	24,764	26,596	21,936
		Avg. Net Savings Per Participant (kWh/yr)	9,117	14,589	29,174	21,537	23,030	24,735	20,401
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	131.5	3,098.0	3,475.7	2,553.5	1,623.5	328.0	11,210.2
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	131.5	3,098.0	3,475.7	2,553.5	1,623.5	328.0	11,210.2
		Net-To-Gross Rate Weighted by Measure	93%	93%	93%	93%	93%	93%	93%
		Net-To-Gross Adjustment (kW)	-9.2	-216.9	-243.3	-178.7	-113.6	-23.0	-784.7
		Net Adjusted Demand Reduction (kW)	122.3	2,881.2	3,232.4	2,374.8	1,509.8	305.0	10,425.5
		Planned Net Savings (kW)	307.7	660.7	1,135.0	1,930.3	5,545.5	0.0	9,579.2
		Annual % Toward Planned Net Reduction	39.8%	436.1%	284.8%	123.0%	27.2%	N/A	108.8%
		Avg. Gross Demand Reduction Per Participant (kW)	2.0	3.3	6.8	5.1	5.0	4.8	4.6
		Avg. Net Demand Reduction Per Participant (kW)	1.8	3.1	6.3	4.7	4.6	4.5	4.3
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	231.8	231.8
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	231.8	231.8
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	93%	93%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	-16.2	-16.2
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	215.6	215.6
		Planned Net Savings (kW)	307.7	660.7	1,135.0	1,930.3	5,545.5	0.0	9,579.2
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	N/A	2.25%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	3.4	0.10
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	3.2	0.09
Program Perfomance		Annual $Admin. per Participant (Gross)	$320	$161	$374	$323	$448	$552	$294
		Annual $Admin. per kWh/year (Gross)	$0.03	$0.01	$0.01	$0.01	$0.02	$0.02	$0.01
		Annual $Admin. per kW (Gross)	$163	$49	$55	$64	$90	$114	$63
		Annual $EM&V per $Total	6.5%	2.9%	3.3%	2.2%	4.1%	19.0%	4.1%

1. A participant is a unique account number.
2. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report, and have been refiled with the Commission. The adjustments totaled -171,768 kWh/year and 3 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 15. The adjustment was to waste heat factors (WHFe and WHFd) applied to lighting fixtures installed in 2016, where the program participant building HVAC systems was assumed to be heat pump heating and cooling systems, rather than the previous assumption of AC cool and non-electric heat systems. This adjustment was made in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. It is reflected in STEP Manual version 8.0.0 in this EM&V report.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

K.19.2 2021 Virginia Non-Residential Small Business Improvement Program Monthly Indicator Tables

VA - Non-Residential Small Business Improvement Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2016-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$10,999	$13,100	$4,488	$3,521	$0	$3,089	$17	$1,318	$301	$452	$0	$262	**$37,548**	**$709,115**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$234,570	$279,391	$95,726	$75,100	$0	$65,881	$355	$28,104	$6,421	$9,636	$0	$5,592	**$800,775**	**$14,944,141**
Costs ($)		Planned	$151,539	$151,539	$151,539	$151,539	$2,613	$2,613	$2,613	$2,613	$2,613	$2,613	$2,613	$2,613	**$627,060**	**$31,359,481**
Costs ($)		Variance	$83,030	$127,851	-$55,814	-$76,439	-$2,613	$63,268	-$2,258	$25,491	$3,808	$7,024	-$2,613	$2,979	**$173,715**	**-$16,415,341**
		Annual % of Planned	37%	82%	97%	109%	109%	120%	120%	124%	125%	127%	127%	128%	**128%**	**48%**
Participants[1]		Total (Gross)	32	36	0	0	0	0	0	0	0	0	0	0	**68**	**2,412**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**3,634**
		Variance	32	36	0	0	0	0	0	0	0	0	0	0	**68**	**-1,222**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**66%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	706,129	1,102,429	0	0	0	0	0	0	0	0	0	0	**1,808,558**	**52,909,762**
		Realization Rate Weighted by Measure	100%	100%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	706,129	1,102,429	0	0	0	0	0	0	0	0	0	0	**1,808,558**	**52,909,762**
		Net-To-Gross Rate Weighted by Measure	93%	93%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**93%**	**93%**
		Net-To-Gross Adjustment (kWh/yr)	-49,429	-77,170	0	0	0	0	0	0	0	0	0	0	**-126,599**	**-3,703,683**
		Net Adjusted Savings (kWh/yr)	656,700	1,025,259	0	0	0	0	0	0	0	0	0	0	**1,681,959**	**49,206,079**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**50,694,651**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**97.1%**
		Avg. Gross Savings Per Participant (kWh/yr)	22,067	30,623	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**26,596**	**21,936**
		Avg. Net Savings Per Participant (kWh/yr)	20,522	28,479	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**24,735**	**20,401**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	124.1	203.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**328.0**	**11,210.2**
		Realization Rate Weighted by Measure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	124.1	203.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**328.0**	**11,210.2**
		Net-To-Gross Rate Weighted by Measure	93%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	-8.7	-14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-23.0**	**-784.7**
		Net Adjusted Demand Reduction (kW)	115.4	189.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**305.0**	**10,425.5**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**9,579.2**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**108.8%**
		Avg. Gross Demand Reduction Per Participant (kW)	3.9	5.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**4.8**	**4.6**
		Avg. Net Demand Reduction Per Participant (kW)	3.6	5.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**4.5**	**4.3**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	83.4	148.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**231.8**	**231.8**
		Realization Rate Weighted by Measure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	83.4	148.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**231.8**	**231.8**
		Net-To-Gross Rate Weighted by Measure	93%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	-5.8	-10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-16.2**	**-16.2**
		Net Adjusted Demand Reduction (kW)	77.6	138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**215.6**	**215.6**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**9,579.2**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**2.25%**
		Avg. Gross Demand Reduction Per Participant (kW)	2.6	4.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.4**	**0.10**
		Avg. Net Demand Reduction Per Participant (kW)	2.4	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.2**	**0.09**
Program Perfomance		Annual $Admin. per Participant (Gross)	$344	$354	$420	$472	$472	$518	$518	$537	$542	$548	$548	$552	**$552**	**$294**
		Annual $Admin. per kWh/year (Gross)	$0.02	$0.01	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.01**
		Annual $Admin. per kW (Gross)	$89	$73	$87	$98	$98	$107	$107	$111	$112	$114	$114	$114	**$114**	**$63**
		Annual $EM&V per $Total	10.4%	4.7%	6.9%	6.1%	6.1%	13.9%	14.0%	16.9%	17.5%	18.4%	18.4%	19.0%	**19.0%**	**4.1%**
		Annual $Rebate per Participant (Gross)	$3,745	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	$4,502	**$4,502**	**$3,685**

1. A participant is a unique account number.

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K.19.3 2016–2021 Virginia Non-Residential Small Business Improvement Program Measure Indicator Tables

VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Vending Machine Controller (Cold Drink)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Vending Machine Controller (Cold Drink)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Vending Machine Controller (Cold Drink)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	VSDs at Kitchen Exhaust Fan	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Strip Curtain	Total Participants	26	322	0	0	0	0	348
Installed kWh/year	Strip Curtain	Total Gross Energy Savings (kWh/yr)	69,035	614,534	0	0	0	0	683,569
	Strip Curtain	Net Adjusted Savings (kWh/yr)	64,203	571,517	0	0	0	0	635,719
Installed Summer peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	7.9	70.2	0.0	0.0	0.0	0.0	78.0
	Strip Curtain	Net Adjusted Demand Reduction (kW)	7.3	65.2	0.0	0.0	0.0	0.0	72.6
Installed Winter peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Suction Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Suction Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Total Participants	0	0	0	1	0	1	2
Installed kWh/year	T8/T5 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0	31,015	0	16,177	47,192
	T8/T5 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0	28,844	0	15,045	43,889
Installed Summer peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	7.9	0.0	3.1	11.0
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	7.3	0.0	2.9	10.2
Installed Winter peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	1.6	1.6
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	1.5	1.5
	Variable Frequency Drives (VFD)	Total Participants	0	0	0	1	0	0	1
Installed kWh/year	Variable Frequency Drives (VFD)	Total Gross Energy Savings (kWh/yr)	0	0	0	23,442	0	0	23,442
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	0	0	0	21,801	0	0	21,801
Installed Summer peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.9	0.0	0.0	0.9
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.8	0.0	0.0	0.8
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Occupancy Sensors	Total Participants	0	1	3	3	14	6	27
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	4,403	3,159	8,482	7,647	1,643	25,334
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	4,094	2,938	7,888	7,112	1,528	23,561
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.5	0.5	0.9	1.0	0.2	3.2
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.5	0.5	0.9	0.9	0.2	2.9
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Programmable Thermostats	Total Participants	0	0	0	1	0	0	1
Installed kWh/year	Programmable Thermostats	Total Gross Energy Savings (kWh/yr)	0	0	0	5,827	0	0	5,827
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0	5,420	0	0	5,420
Installed Summer peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Total Participants	0	0	0	1	0	0	1
Installed kWh/year	Refrigerant Charge Adjustment (AC-HP)	Total Gross Energy Savings (kWh/yr)	0	0	0	80	0	0	80
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Savings (kWh/yr)	0	0	0	74	0	0	74
Installed Summer peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Steam Cooker	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Steam Cooker	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	LED Lamps	Total Participants	27	417	406	331	228	55	1,464
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	437,228	12,145,868	15,588,700	11,331,430	7,823,749	1,728,385	49,055,359
	LED Lamps	Net Adjusted Savings (kWh/yr)	406,622	11,295,657	14,497,491	10,538,230	7,276,086	1,607,398	45,621,484
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	102.5	2,628.0	3,226.2	2,265.5	1,419.3	290.6	9,932.2
	LED Lamps	Net Adjusted Demand Reduction (kW)	95.3	2,444.1	3,000.4	2,106.9	1,320.0	270.3	9,236.9
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	195.9	195.9
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	182.2	182.2
	Lighting	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Low/No Sweat Door Film	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Low/No Sweat Door Film	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Total Participants	0	8	0	0	0	0	8
Installed kWh/year	Night Cover	Total Gross Energy Savings (kWh/yr)	0	162,902	0	0	0	0	162,902
	Night Cover	Net Adjusted Savings (kWh/yr)	0	151,499	0	0	0	0	151,499
Installed Summer peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Heat Pump Upgrade	Total Participants	0	0	1	0	0	0	1
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	190	0	0	0	190
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	176	0	0	0	176
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Hot Food Holder	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Hot Food Holder	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	HVAC	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	HVAC	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Ice Maker	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Ice Maker	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Evaporator Fan Control (Cooler and Freezer)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Evaporator Fan Control (Cooler and Freezer)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Freezer and Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Freezer and Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Griddle	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Griddle	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	ECM at Evaporator Fan	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	ECM at Evaporator Fan	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	ECM at Evaporator Fan	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Total Participants	0	0	0	1	0	0	1
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	0	0	1,352	0	0	1,352
	Economizers	Net Adjusted Savings (kWh/yr)	0	0	0	1,257	0	0	1,257
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Electric Combination Oven	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Electric Combination Oven	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Electric Fryer	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Electric Fryer	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Convection Oven	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Convection Oven	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Convection Oven	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Total Participants	20	264	0	0	0	0	284
Installed kWh/year	Door Closer	Total Gross Energy Savings (kWh/yr)	5,017	33,018	0	0	0	0	38,035
	Door Closer	Net Adjusted Savings (kWh/yr)	4,666	30,707	0	0	0	0	35,373
Installed Summer peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.6	3.7	0.0	0.0	0.0	0.0	4.3
	Door Closer	Net Adjusted Demand Reduction (kW)	0.5	3.5	0.0	0.0	0.0	0.0	4.0
Installed Winter peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Total Participants	32	406	0	0	0	0	438
Installed kWh/year	Door Gasket	Total Gross Energy Savings (kWh/yr)	58,417	374,173	0	0	0	0	432,590
	Door Gasket	Net Adjusted Savings (kWh/yr)	54,327	347,981	0	0	0	0	402,309
Installed Summer peak kW	Door Gasket	Total Gross Demand Reduction (kW)	7.1	43.5	0.0	0.0	0.0	0.0	50.6
	Door Gasket	Net Adjusted Demand Reduction (kW)	6.6	40.5	0.0	0.0	0.0	0.0	47.1
Installed Winter peak kW	Door Gasket	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Duct Test and Seal	Total Participants	11	314	194	176	151	17	863
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	70,441	1,105,899	273,396	102,916	133,278	10,497	1,696,428
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	65,510	1,028,486	254,258	95,712	123,949	9,762	1,577,678
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	9.4	209.6	132.9	114.6	130.1	16.6	613.0
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	8.7	194.9	123.6	106.6	121.0	15.4	570.1
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	28.6	28.6
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	26.6	26.6

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VA - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	AC Tune-Ups	Total Participants	11	392	271	332	177	32	1,215
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	16,664	258,208	133,469	144,119	133,146	51,856	737,463
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	15,498	240,133	124,127	134,031	123,826	48,226	685,840
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	4.2	142.5	116.0	163.8	73.1	17.4	517.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	3.9	132.5	107.9	152.3	68.0	16.2	480.8
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	5.6	5.6
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	5.2	5.2
	Advanced Power Strip	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Advanced Power Strip	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Advanced Power Strip	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Air Compressor Leak Repairs	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Air Compressor Leak Repairs	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Condenser Coil Clean	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Condenser Coil Clean	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

K.19.4 2016–2021 Virginia Non-Residential Small Business Improvement Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
SBIP	Schedule 5P	72,427	12,421	583%	215,515	34%
SBIP	Schedule 5C	60,897	12,421	490%	48,023	127%
SBIP	Schedule GS-2	22,252	12,421	179%	247,005	9%
SBIP	Schedule GS-1	11,410	12,421	92%	16,481	69%
SBIP	Schedule DP-2	6,879	12,421	55%	381,085	2%
SBIP	Schedule 7	15,348	12,421	124%	Not Available	Not Available
SBIP	Schedule GS-2T	17,207	12,421	139%	453,711	4%
SBIP	Schedule 5	49,819	12,421	401%	49,382	101%

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K.20 Virginia Non-Residential Small Business Improvement Enhanced Program 2020–2021

K.20.1 2020–2021 Virginia Non-Residential Small Business Improvement Enhanced Annual Indicator Tables

VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$2,402	$114,584	$116,986
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$56,290	$2,443,713	$2,500,003
Costs ($)		Planned	$0	$3,564,498	$3,564,498
Costs ($)		Variance	$56,290	-$1,120,785	-$1,064,495
		Annual % of Planned	N/A	69%	70%
Participants[1]		Total (Gross)	0	307	307
		Planned	0	634	634
		Variance	0	-327	-327
		Annual % of Planned (Gross)	N/A	48%	48%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	2,429,201	2,429,201
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	2,429,201	2,429,201
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%
		Net-To-Gross Adjustment (kWh/yr)	0	-170,044	-170,044
		Net Adjusted Savings (kWh/yr)	0	2,259,157	2,259,157
		Planned Net Savings (kWh/yr)	0	9,199,251	9,199,251
		Annual % Toward Planned Net Savings	N/A	24.6%	24.6%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	7,913	7,913
		Avg. Net Savings Per Participant (kWh/yr)	N/A	7,359	7,359
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	448.9	448.9
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	448.9	448.9
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%
		Net-To-Gross Adjustment (kW)	0.0	-31.4	-31.4
		Net Adjusted Demand Reduction (kW)	0.0	417.5	417.5
		Planned Net Savings (kW)	0.0	2,889.1	2,889.1
		Annual % Toward Planned Net Reduction	N/A	14.5%	14.5%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	1.5	1.5
		Avg. Net Demand Reduction Per Participant (kW)	N/A	1.4	1.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	327.7	327.7
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	327.7	327.7
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%
		Net-To-Gross Adjustment (kW)	0.0	-22.9	-22.9
		Net Adjusted Demand Reduction (kW)	0.0	304.7	304.7
		Planned Net Savings (kW)	0.0	2,889.1	2,889.1
		Annual % Toward Planned Net Reduction	N/A	10.5%	10.5%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	1.1	1.1
		Avg. Net Demand Reduction Per Participant (kW)	N/A	1.0	1.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$373	$381
		Annual $Admin. per kWh/year (Gross)	N/A	$0.05	$0.05
		Annual $Admin. per kW (Gross)	N/A	$255	$261
		Annual $EM&V per $Total	83.7%	7.0%	8.7%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

K.20.2 2021 Virginia Non-Residential Small Business Improvement Enhanced Program Monthly Indicator Tables

VA - Non-Residential Small Business Improvement Enhanced Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$5,494	$4,774	$5,218	$4,571	$4,883	$15,167	$10,390	$13,627	$12,327	$10,617	$12,384	$15,132	**$114,584**	**$116,986**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$117,164	$101,813	$111,287	$97,491	$104,129	$323,472	$221,592	$290,617	$262,903	$226,426	$264,103	$322,716	**$2,443,713**	**$2,500,003**
Costs ($)		Planned	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	$297,042	**$3,564,498**	**$3,564,498**
Costs ($)		Variance	-$179,877	-$195,228	-$185,755	-$199,550	-$192,912	$26,431	-$75,450	-$6,425	-$34,138	-$70,616	-$32,939	$25,674	**-$1,120,785**	**-$1,064,495**
		Annual % of Planned	3%	6%	9%	12%	15%	24%	30%	38%	46%	52%	60%	69%	**69%**	**70%**
Participants[1]		Total (Gross)	0	0	0	0	6	35	34	40	34	36	64	58	**307**	**307**
		Planned	62	52	52	52	52	52	52	52	52	52	52	52	**634**	**634**
		Variance	-62	-52	-52	-52	-46	-17	-18	-12	-18	-16	12	6	**-327**	**-327**
		Annual % of Planned (Gross)	0%	0%	0%	0%	12%	67%	65%	77%	65%	69%	123%	112%	**48%**	**48%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	26,246	535,858	267,080	318,212	578,463	69,515	129,918	503,909	**2,429,201**	**2,429,201**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	26,246	535,858	267,080	318,212	578,463	69,515	129,918	503,909	**2,429,201**	**2,429,201**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	93%	93%	93%	93%	93%	93%	93%	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	-1,837	-37,510	-18,696	-22,275	-40,492	-4,866	-9,094	-35,274	**-170,044**	**-170,044**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	24,409	498,348	248,385	295,937	537,971	64,649	120,824	468,635	**2,259,157**	**2,259,157**
		Planned Net Savings (kWh/yr)	899,611	754,513	754,513	754,513	754,513	754,513	754,513	754,513	754,513	754,513	754,513	754,513	**9,199,251**	**9,199,251**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0.27%	5.68%	8.38%	11.6%	17.4%	18.2%	19.5%	24.6%	**24.6%**	**24.6%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	4,374	15,310	7,855	7,955	17,014	1,931	2,030	8,688	**7,913**	**7,913**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	4,068	14,239	7,305	7,398	15,823	1,796	1,888	8,080	**7,359**	**7,359**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2.0	96.7	57.8	68.5	58.2	25.4	47.1	93.2	**448.9**	**448.9**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2.0	96.7	57.8	68.5	58.2	25.4	47.1	93.2	**448.9**	**448.9**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	93%	93%	93%	93%	93%	93%	93%	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-0.1	-6.8	-4.0	-4.8	-4.1	-1.8	-3.3	-6.5	**-31.4**	**-31.4**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	1.8	89.9	53.7	63.7	54.1	23.7	43.8	86.7	**417.5**	**417.5**
		Planned Net Savings (kW)	282.5	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	**2,889.1**	**2,889.1**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.06%	3.18%	5.04%	7.24%	9.11%	9.93%	11.5%	14.5%	**14.5%**	**14.5%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.3	2.8	1.7	1.7	1.7	0.7	0.7	1.6	**1.5**	**1.5**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.3	2.6	1.6	1.6	1.6	0.7	0.7	1.5	**1.4**	**1.4**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	3.7	64.0	32.0	39.9	72.6	15.4	29.9	70.3	**327.7**	**327.7**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	3.7	64.0	32.0	39.9	72.6	15.4	29.9	70.3	**327.7**	**327.7**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	93%	93%	93%	93%	93%	93%	93%	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-0.3	-4.5	-2.2	-2.8	-5.1	-1.1	-2.1	-4.9	**-22.9**	**-22.9**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	3.4	59.5	29.7	37.1	67.5	14.3	27.8	65.4	**304.7**	**304.7**
		Planned Net Savings (kW)	282.5	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	**2,889.1**	**2,889.1**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.12%	2.18%	3.21%	4.49%	6.83%	7.32%	8.28%	10.5%	**10.5%**	**10.5%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.6	1.8	0.9	1.0	2.1	0.4	0.5	1.2	**1.1**	**1.1**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.6	1.7	0.9	0.9	2.0	0.4	0.4	1.1	**1.0**	**1.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	$4,157	$978	$673	$558	$513	$471	$399	$373	**$373**	**$381**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	$0.95	$0.07	$0.06	$0.06	$0.04	$0.05	$0.05	$0.05	**$0.05**	**$0.05**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	$12,714	$407	$323	$285	$270	$282	$280	$255	**$255**	**$261**
		Annual $EM&V per $Total	11.9%	6.4%	7.0%	5.4%	4.3%	11.1%	8.9%	9.9%	9.1%	8.9%	7.8%	7.0%	**7.0%**	**8.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	$1,070	$3,459	$3,389	$3,439	$3,535	$3,399	$3,128	$3,184	**$3,184**	**$3,184**

1. A participant is a unique account number.

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K.20.3 2020–2021 Virginia Non-Residential Small Business Improvement Enhanced Program Measure Indicator Tables

VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Measures					
	VFD	Total Participants	0	0	0
Installed kWh/year	VFD	Total Gross Energy Savings (kWh/yr)	0	0	0
	VFD	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	VFD	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VFD	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	VFD	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VFD	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Window Film	Total Participants	0	2	2
Installed kWh/year	Window Film	Total Gross Energy Savings (kWh/yr)	0	883	883
	Window Film	Net Adjusted Savings (kWh/yr)	0	821	821
Installed Summer peak kW	Window Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Window Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Window Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Window Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Measures					
	Strip Curtains	Total Participants	0	0	0
Installed kWh/year	Strip Curtains	Total Gross Energy Savings (kWh/yr)	0	0	0
	Strip Curtains	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Strip Curtains	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Strip Curtains	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Strip Curtains	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Strip Curtains	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	T5/T8 Lamps	Total Participants	0	0	0
Installed kWh/year	T5/T8 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0
	T5/T8 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	T5/T8 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	T5/T8 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	T5/T8 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	T5/T8 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Total Participants	0	0	0
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	0	0
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Vending Machine Controller	Total Participants	0	0	0
Installed kWh/year	Vending Machine Controller	Total Gross Energy Savings (kWh/yr)	0	0	0
	Vending Machine Controller	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Vending Machine Controller	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Vending Machine Controller	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Vending Machine Controller	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Vending Machine Controller	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Measures					
	LED Lamps	Total Participants	0	87	87
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	2,175,097	2,175,097
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	2,022,840	2,022,840
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	300.3	300.3
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	279.3	279.3
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	248.3	248.3
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	230.9	230.9
	Night Covers	Total Participants	0	0	0
Installed kWh/year	Night Covers	Total Gross Energy Savings (kWh/yr)	0	0	0
	Night Covers	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Night Covers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Night Covers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Night Covers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Night Covers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Total Participants	0	15	15
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	42,594	42,594
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	39,612	39,612
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	5.8	5.8
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	5.4	5.4
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	2.3	2.3
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	2.1	2.1
	Programmable Thermostats	Total Participants	0	0	0
Installed kWh/year	Programmable Thermostats	Total Gross Energy Savings (kWh/yr)	0	0	0
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Measures					
	Electronically Commutated Motor (at Evaporator Fans)	Total Participants	0	0	0
Installed kWh/year	Electronically Commutated Motor (at Evaporator Fans)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Electronically Commutated Motor (at Evaporator Fans)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Electronically Commutated Motor (at Evaporator Fans)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Electronically Commutated Motor (at Evaporator Fans)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Electronically Commutated Motor (at Evaporator Fans)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Electronically Commutated Motor (at Evaporator Fans)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Evaporator Fan Controls (cooler and Freezer)	Total Participants	0	0	0
Installed kWh/year	Evaporator Fan Controls (cooler and Freezer)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Evaporator Fan Controls (cooler and Freezer)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Evaporator Fan Controls (cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Evaporator Fan Controls (cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Evaporator Fan Controls (cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Evaporator Fan Controls (cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Total Participants	0	0	0
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune up	Total Participants	0	225	225
Installed kWh/year	HVAC Tune up	Total Gross Energy Savings (kWh/yr)	0	91,859	91,859
	HVAC Tune up	Net Adjusted Savings (kWh/yr)	0	85,429	85,429
Installed Summer peak kW	HVAC Tune up	Total Gross Demand Reduction (kW)	0.0	73.2	73.2
	HVAC Tune up	Net Adjusted Demand Reduction (kW)	0.0	68.0	68.0
Installed Winter peak kW	HVAC Tune up	Total Gross Demand Reduction (kW)	0.0	22.8	22.8
	HVAC Tune up	Net Adjusted Demand Reduction (kW)	0.0	21.2	21.2

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VA - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2020-2021
Measures					
	ASDH Door Heater Controls	Total Participants	0	0	0
Installed kWh/year	ASDH Door Heater Controls	Total Gross Energy Savings (kWh/yr)	0	0	0
	ASDH Door Heater Controls	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ASDH Door Heater Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ASDH Door Heater Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ASDH Door Heater Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ASDH Door Heater Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Auto Closers	Total Participants	0	0	0
Installed kWh/year	Auto Closers	Total Gross Energy Savings (kWh/yr)	0	0	0
	Auto Closers	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Auto Closers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Auto Closers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Auto Closers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Auto Closers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test and Seal	Total Participants	0	183	183
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	118,768	118,768
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	110,455	110,455
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	69.7	69.7
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	64.8	64.8
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	54.3	54.3
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	50.5	50.5
	Economizers	Total Participants	0	0	0
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	0	0
	Economizers	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.20.4 2020–2021 Virginia Non-Residential Small Business Improvement Enhanced Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
SBI2	Schedule 5P	547	14,510	4%	215,515	0%
SBI2	Schedule 5C	5,990	14,510	41%	48,023	12%
SBI2	Schedule GS-2T	37,807	14,510	261%	453,711	8%
SBI2	Schedule GS-1	4,116	14,510	28%	16,481	25%
SBI2	Schedule 5	15,284	14,510	105%	49,382	31%
SBI2	Schedule GS-2	12,672	14,510	87%	247,005	5%

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K.21 Virginia Non-Residential Prescriptive Program 2017–2021

K.21.1 2017–2021 Virginia Prescriptive Program Annual Indicator Tables

VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate						
O&M ($)		Direct Implementation						
O&M ($)		Direct EM&V						
O&M ($)		Indirect Other (Administrative)	$28,898	$381,096	$281,598	$579,427	$398,097	$1,669,115
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$734,410	$6,748,855	$5,887,581	$11,128,206	$8,490,163	$32,989,215
Costs ($)		Planned	$3,735,349	$6,246,114	$6,354,082	$6,282,076	$6,176,552	$28,794,173
Costs ($)		Variance	-$3,000,939	$502,740	-$466,501	$4,846,131	$2,313,611	$4,195,042
		Annual % of Planned	20%	108%	93%	177%	137%	115%
Participants[1]		Total (Gross)	4	865	666	577	709	2,821
		Planned	266	427	427	427	437	1,984
		Variance	-262	438	239	150	272	837
		Annual % of Planned (Gross)	2%	203%	156%	135%	162%	142%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	699	7,023,169	4,403,947	45,108,795	25,303,910	81,840,521
		Realization Rate Weighted by Measure	100%	100%	100%	48%	61%	59%
		Realization Rate Adjustment (kWh/yr)	0	0	0	-23,380,737	-9,907,233	-33,287,970
		Realization Rate Adjusted Savings (kWh/yr)	699	7,023,169	4,403,947	21,728,058	15,396,678	48,552,551
		Net-To-Gross Rate Weighted by Measure	85%	85%	85%	90%	87%	88%
		Net-To-Gross Adjustment (kWh/yr)	-105	-1,053,475	-660,592	-2,649,527	-2,586,225	-6,949,925
		Net Adjusted Savings (kWh/yr)	594	5,969,694	3,743,355	19,078,531	12,810,453	41,602,627
		Planned Net Savings (kWh/yr)	5,959,948	26,839,364	1,672,489	4,662,193	47,911,107	87,045,100
		Annual % Toward Planned Net Savings	0.01%	22.2%	223.8%	409.2%	26.7%	47.8%
		Avg. Gross Savings Per Participant (kWh/yr)	175	8,119	6,613	78,178	35,690	29,011
		Avg. Net Savings Per Participant (kWh/yr)	149	6,901	5,621	33,065	18,068	14,747
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.1	3,366.4	3,385.2	5,921.1	4,217.8	16,890.6
		Realization Rate Weighted by Measure	100%	100%	100%	79%	85%	89%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	-1,272.2	-629.0	-1,901.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.1	3,366.4	3,385.2	4,648.9	3,588.8	14,989.4
		Net-To-Gross Rate Weighted by Measure	85%	85%	85%	83%	81%	83%
		Net-To-Gross Adjustment (kW)	0.0	-505.0	-507.8	-980.7	-821.5	-2,815.0
		Net Adjusted Demand Reduction (kW)	0.1	2,861.4	2,877.4	3,807.5	2,843.9	12,390.2
		Planned Net Savings (kW)	0.0	4,296.0	684.7	1,858.4	7,165.3	14,004.3
		Annual % Toward Planned Net Reduction	N/A	66.6%	420.3%	204.9%	39.7%	88.5%
		Avg. Gross Demand Reduction Per Participant (kW)	0.02	3.9	5.1	10.3	5.9	6.0
		Avg. Net Demand Reduction Per Participant (kW)	0.02	3.3	4.3	6.6	4.0	4.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2,977.5	2,977.5
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	74%	74%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	-762.2	-762.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	2,215.3	2,215.3
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	82%	82%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-531.3	-531.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	1,794.1	1,794.1
		Planned Net Savings (kW)	0.0	4,296.0	684.7	1,858.4	7,165.3	14,004.3
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	25.0%	12.8%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	4.2	1.1
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	2.5	0.6
Program Perfomance		Annual $Admin. per Participant (Gross)	$7,225	$441	$423	$1,004	$561	$592
		Annual $Admin. per kWh/year (Gross)	$41.32	$0.05	$0.06	$0.01	$0.02	$0.02
		Annual $Admin. per kW (Gross)	$351,557	$113	$83	$98	$94	$99
		Annual $EM&V per $Total	10.9%	2.0%	1.9%	1.2%	5.9%	2.9%

1. A participant is a unique account number.

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K.21.2 2021 Virginia Prescriptive Program Monthly Indicator Tables

VA - Non-Residential Prescriptive Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2017-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$32,163	$37,942	$32,723	$18,985	$23,056	$55,917	$8,675	$19,680	$30,710	$43,189	$54,561	$40,496	**$398,097**	**$1,669,115**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$685,933	$809,180	$697,886	$404,887	$491,705	$1,192,544	$185,006	$419,705	$654,948	$921,093	$1,163,611	$863,662	**$8,490,163**	**$32,989,215**
Costs ($)		Planned	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	$514,713	**$6,176,552**	**$28,794,173**
Costs ($)		Variance	$171,220	$294,468	$183,174	-$109,825	-$23,007	$677,832	-$329,707	-$95,008	$140,236	$406,381	$648,899	$348,950	**$2,313,611**	**$4,195,042**
		Annual % of Planned	11%	24%	36%	42%	50%	69%	72%	79%	90%	105%	123%	137%	**137%**	**115%**
Participants[1]		Total (Gross)	49	74	64	86	47	60	37	54	58	68	91	21	**709**	**2,821**
		Planned	41	36	36	36	36	36	36	36	36	36	36	36	**437**	**1,984**
		Variance	8	38	28	50	11	24	1	18	22	32	55	-15	**272**	**837**
		Annual % of Planned (Gross)	120%	206%	178%	239%	131%	167%	103%	150%	161%	189%	253%	58%	**162%**	**142%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,660,962	2,071,343	803,515	567,316	594,483	1,441,822	527,330	209,158	3,139,547	3,362,936	4,589,299	6,336,199	**25,303,910**	**81,840,521**
		Realization Rate Weighted by Measure	59%	71%	112%	115%	90%	68%	56%	111%	49%	70%	58%	44%	**61%**	**59%**
		Realization Rate Adjustment (kWh/yr)	-673,914	-602,381	97,248	87,920	-57,501	-463,334	-232,571	23,439	-1,612,729	-1,018,454	-1,911,789	-3,543,167	**-9,907,233**	**-33,287,970**
		Realization Rate Adjusted Savings (kWh/yr)	987,047	1,468,962	900,763	655,237	536,982	978,488	294,759	232,597	1,526,818	2,344,482	2,677,510	2,793,032	**15,396,678**	**48,552,551**
		Net-To-Gross Rate Weighted by Measure	86%	85%	77%	74%	80%	84%	87%	78%	89%	85%	87%	90%	**87%**	**88%**
		Net-To-Gross Adjustment (kWh/yr)	-173,381	-275,595	-205,994	-171,676	-121,939	-188,129	-50,510	-52,863	-197,139	-425,597	-429,182	-294,222	**-2,586,225**	**-6,949,925**
		Net Adjusted Savings (kWh/yr)	813,666	1,193,367	694,769	483,561	415,043	790,360	244,249	179,734	1,329,679	1,918,885	2,248,328	2,498,810	**12,810,453**	**41,602,627**
		Planned Net Savings (kWh/yr)	4,495,092	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	3,946,910	**47,911,107**	**87,045,100**
		Annual % Toward Planned Net Savings	1.70%	4.19%	5.64%	6.65%	7.51%	9.16%	9.67%	10.0%	12.8%	16.8%	21.5%	26.7%	**26.7%**	**47.8%**
		Avg. Gross Savings Per Participant (kWh/yr)	33,897	27,991	12,555	6,597	12,649	24,030	14,252	3,873	54,130	49,455	50,432	301,724	**35,690**	**29,011**
		Avg. Net Savings Per Participant (kWh/yr)	16,605	16,127	10,856	5,623	8,831	13,173	6,601	3,328	22,926	28,219	24,707	118,991	**18,068**	**14,747**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	254.7	425.4	286.5	151.1	236.6	585.8	109.1	69.5	347.5	449.8	706.2	595.6	**4,217.8**	**16,890.6**
		Realization Rate Weighted by Measure	85%	89%	96%	101%	92%	88%	84%	98%	77%	85%	85%	72%	**85%**	**89%**
		Realization Rate Adjustment (kW)	-37.2	-47.9	-11.9	1.6	-19.7	-71.4	-17.4	-1.1	-80.0	-68.8	-106.7	-168.6	**-629.0**	**-1,901.2**
		Realization Rate Adjusted Gross Demand Reduction (kW)	217.6	377.6	274.6	152.7	217.0	514.4	91.7	68.4	267.5	380.9	599.5	427.0	**3,588.8**	**14,989.4**
		Net-To-Gross Rate Weighted by Measure	81%	79%	76%	75%	76%	77%	79%	76%	85%	81%	81%	87%	**81%**	**83%**
		Net-To-Gross Adjustment (kW)	-49.2	-88.8	-69.0	-37.8	-55.9	-133.8	-22.6	-16.8	-53.2	-86.1	-131.8	-76.5	**-821.5**	**-2,815.0**
		Net Adjusted Demand Reduction (kW)	172.2	295.4	208.5	114.4	165.2	394.8	71.7	51.8	221.9	303.1	479.0	365.9	**2,843.9**	**12,390.2**
		Planned Net Savings (kW)	672.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	**7,165.3**	**14,004.3**
		Annual % Toward Planned Net Reduction	2.40%	6.53%	9.44%	11.0%	13.3%	18.8%	19.8%	20.6%	23.7%	27.9%	34.6%	39.7%	**39.7%**	**88.5%**
		Avg. Gross Demand Reduction Per Participant (kW)	5.2	5.7	4.5	1.8	5.0	9.8	2.9	1.3	6.0	6.6	7.8	28.4	**5.9**	**6.0**
		Avg. Net Demand Reduction Per Participant (kW)	3.5	4.0	3.3	1.3	3.5	6.6	1.9	1.0	3.8	4.5	5.3	17.4	**4.0**	**4.4**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	140.0	323.4	174.5	44.8	190.5	615.1	108.7	15.1	251.8	323.3	331.3	459.1	**2,977.5**	**2,977.5**
		Realization Rate Weighted by Measure	85%	89%	96%	101%	92%	88%	84%	98%	77%	85%	85%	72%	**74%**	**74%**
		Realization Rate Adjustment (kW)	-37.3	-65.3	-23.9	2.4	-39.8	-141.5	-27.8	0.4	-81.0	-80.6	-100.3	-167.5	**-762.2**	**-762.2**
		Realization Rate Adjusted Gross Demand Reduction (kW)	102.7	258.1	150.7	47.2	150.7	473.5	80.9	15.4	170.8	242.7	231.0	291.7	**2,215.3**	**2,215.3**
		Net-To-Gross Rate Weighted by Measure	81%	79%	76%	75%	76%	77%	79%	76%	85%	81%	81%	87%	**82%**	**82%**
		Net-To-Gross Adjustment (kW)	-21.8	-65.1	-43.1	-12.3	-45.7	-144.0	-22.9	-3.8	-30.4	-56.7	-41.7	-43.7	**-531.3**	**-531.3**
		Net Adjusted Demand Reduction (kW)	84.8	204.0	113.5	34.2	114.2	361.4	63.2	11.5	148.2	197.2	199.0	263.1	**1,794.1**	**1,794.1**
		Planned Net Savings (kW)	672.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	**7,165.3**	**14,004.3**
		Annual % Toward Planned Net Reduction	1.18%	4.03%	5.61%	6.09%	7.68%	12.7%	13.6%	13.8%	15.8%	18.6%	21.4%	25.0%	**25.0%**	**12.8%**
		Avg. Gross Demand Reduction Per Participant (kW)	2.9	4.4	2.7	0.5	4.1	10.3	2.9	0.3	4.3	4.8	3.6	21.9	**4.2**	**1.1**
		Avg. Net Demand Reduction Per Participant (kW)	1.7	2.8	1.8	0.4	2.4	6.0	1.7	0.2	2.6	2.9	2.2	12.5	**2.5**	**0.6**
Program Perfomance		Annual $Admin. per Participant (Gross)	$656	$570	$550	$446	$453	$528	$502	$486	$491	$508	$520	$561	**$561**	**$592**
		Annual $Admin. per kWh/year (Gross)	$0.02	$0.02	$0.02	$0.02	$0.03	$0.03	$0.03	$0.03	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	$126	$103	$106	$109	$107	$103	$102	$108	$105	$104	$99	$94	**$94**	**$99**
		Annual $EM&V per $Total	23.1%	10.6%	10.8%	9.1%	7.7%	10.8%	10.4%	9.6%	8.4%	7.7%	6.6%	5.9%	**5.9%**	**2.9%**
		Annual $Rebate per Participant (Gross)	$7,955	$8,241	$7,802	$6,266	$6,431	$7,751	$7,470	$6,872	$7,072	$7,424	$7,976	$8,898	**$8,898**	**$8,480**

1. A participant is a unique account number.

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K.21.3 2017–2021 Virginia Prescriptive Program Measure Indicator Tables

VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	Strip Curtain	Total Participants	0	291	41	0	6	338
Installed kWh/year	Strip Curtain	Total Gross Energy Savings (kWh/yr)	0	827,594	27,451	0	33,753	888,798
	Strip Curtain	Net Adjusted Savings (kWh/yr)	0	703,455	23,333	0	36,696	763,485
Installed Summer peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	94.5	3.1	0.0	3.9	101.5
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	80.3	2.7	0.0	4.2	87.2
Installed Winter peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	3.9	3.9
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	4.2	4.2
	Suction Pipe Insulation	Total Participants	0	0	0	0	0	0
Installed kWh/year	Suction Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Suction Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Vending Machine Controller (Cold Drink)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Vending Machine Controller (Cold Drink)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Total Participants	0	0	0	3	0	3
Installed kWh/year	VSDs at Kitchen Exhaust Fan	Total Gross Energy Savings (kWh/yr)	0	0	0	100,013	0	100,013
	VSDs at Kitchen Exhaust Fan	Net Adjusted Savings (kWh/yr)	0	0	0	186,024	0	186,024
Installed Summer peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	22.2	0.0	22.2
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	20.6	0.0	20.6
Installed Winter peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	Night Cover	Total Participants	0	14	3	0	1	18
Installed kWh/year	Night Cover	Total Gross Energy Savings (kWh/yr)	0	131,356	22,050	0	5,670	159,076
	Night Cover	Net Adjusted Savings (kWh/yr)	0	111,652	18,743	0	4,820	135,214
Installed Summer peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Total Participants	0	0	0	0	0	0
Installed kWh/year	Programmable Thermostats	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Refrigerant Charge Adjustment (AC-HP)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Total Participants	0	0	1	1	0	2
Installed kWh/year	Steam Cooker	Total Gross Energy Savings (kWh/yr)	0	0	9,344	10,404	0	19,748
	Steam Cooker	Net Adjusted Savings (kWh/yr)	0	0	7,942	8,844	0	16,786
Installed Summer peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	3.1	3.6	0.0	6.7
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	2.6	3.0	0.0	5.7
Installed Winter peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	HVAC	Total Participants	0	0	0	0	0	0
Installed kWh/year	HVAC	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	HVAC	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Total Participants	0	0	8	8	0	16
Installed kWh/year	Ice Maker	Total Gross Energy Savings (kWh/yr)	0	0	13,746	23,064	0	36,810
	Ice Maker	Net Adjusted Savings (kWh/yr)	0	0	11,684	11,763	0	23,447
Installed Summer peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	1.6	2.6	0.0	4.2
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.3	1.3	0.0	2.7
Installed Winter peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Total Participants	0	0	0	0	0	0
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Total Participants	0	0	1	4	3	8
Installed kWh/year	Low/No Sweat Door Film	Total Gross Energy Savings (kWh/yr)	0	0	731	226,459	188,626	415,817
	Low/No Sweat Door Film	Net Adjusted Savings (kWh/yr)	0	0	621	212,872	177,309	390,802
Installed Summer peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	5.4	4.5	10.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	5.1	4.3	9.4
Installed Winter peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	Floating Head Pressure, Variable Setpoint/Speed	Total Participants	0	0	0	0	0	0
Installed kWh/year	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Total Participants	0	0	37	13	3	53
Installed kWh/year	Freezer and Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	39,611	7,258	6,258	53,126
	Freezer and Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	33,669	5,725	4,936	44,330
Installed Summer peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	5.2	1.0	0.8	7.0
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	4.4	0.8	0.6	5.8
Installed Winter peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.8	0.8
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.6	0.6
	Griddle	Total Participants	0	0	0	1	0	1
Installed kWh/year	Griddle	Total Gross Energy Savings (kWh/yr)	0	0	0	4,136	0	4,136
	Griddle	Net Adjusted Savings (kWh/yr)	0	0	0	3,515	0	3,515
Installed Summer peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.6	0.0	0.6
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.5	0.0	0.5
Installed Winter peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Total Participants	0	0	16	2	0	18
Installed kWh/year	Hot Food Holder	Total Gross Energy Savings (kWh/yr)	0	0	40,986	819	0	41,806
	Hot Food Holder	Net Adjusted Savings (kWh/yr)	0	0	34,838	402	0	35,240
Installed Summer peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	11.3	0.2	0.0	11.4
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	9.6	0.1	0.0	9.7
Installed Winter peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	ECM at Evaporator Fan	Total Participants	0	0	8	17	22	47
Installed kWh/year	ECM at Evaporator Fan	Total Gross Energy Savings (kWh/yr)	0	0	37,703	96,581	114,282	248,565
	ECM at Evaporator Fan	Net Adjusted Savings (kWh/yr)	0	0	32,047	94,649	111,996	238,693
Installed Summer peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	4.3	11.0	18.4	33.8
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	3.7	10.8	18.1	32.5
Installed Winter peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	18.4	18.4
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	18.1	18.1
	Electric Combination Oven	Total Participants	0	0	0	0	0	0
Installed kWh/year	Electric Combination Oven	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Electric Combination Oven	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Total Participants	0	0	14	6	0	20
Installed kWh/year	Electric Fryer	Total Gross Energy Savings (kWh/yr)	0	0	23,290	16,003	0	39,294
	Electric Fryer	Net Adjusted Savings (kWh/yr)	0	0	19,797	13,603	0	33,400
Installed Summer peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	4.3	2.7	0.0	7.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	3.7	2.3	0.0	6.0
Installed Winter peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Total Participants	0	0	1	0	0	1
Installed kWh/year	Evaporator Fan Control (Cooler and Freezer)	Total Gross Energy Savings (kWh/yr)	0	0	27,937	0	0	27,937
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Savings (kWh/yr)	0	0	23,746	0	0	23,746
Installed Summer peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	2.9	0.0	0.0	2.9
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	2.5	0.0	0.0	2.5
Installed Winter peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0

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VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	Convection Oven	Total Participants	0	0	2	1	1	4
Installed kWh/year	Convection Oven	Total Gross Energy Savings (kWh/yr)	0	0	488	771	1,845	3,104
	Convection Oven	Net Adjusted Savings (kWh/yr)	0	0	415	655	1,568	2,638
Installed Summer peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.5	0.1	0.4	1.0
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	0.1	0.4	0.9
Installed Winter peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.4	0.4
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.4	0.4
	Door Closer	Total Participants	1	287	47	3	6	344
Installed kWh/year	Door Closer	Total Gross Energy Savings (kWh/yr)	44	44,045	5,182	305	388	49,964
	Door Closer	Net Adjusted Savings (kWh/yr)	37	37,438	4,405	220	280	42,380
Installed Summer peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.0	5.0	0.6	0.0	0.0	5.7
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	4.2	0.5	0.0	0.0	4.8
Installed Winter peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Total Participants	4	657	232	132	487	1,512
Installed kWh/year	Door Gasket	Total Gross Energy Savings (kWh/yr)	655	3,298,531	956,604	180,571	690,708	5,127,070
	Door Gasket	Net Adjusted Savings (kWh/yr)	557	2,803,752	813,113	131,384	502,559	4,251,365
Installed Summer peak kW	Door Gasket	Total Gross Demand Reduction (kW)	0.1	377.1	108.8	20.7	79.0	585.6
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.1	320.5	92.5	15.0	57.5	485.6
Installed Winter peak kW	Door Gasket	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	79.0	79.0
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	57.5	57.5
	Duct Test and Seal	Total Participants	0	200	271	352	58	881
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	2,022,779	1,525,020	885,776	788,624	5,222,200
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	1,719,362	1,296,267	531,466	473,174	4,020,270
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	892.2	724.0	590.6	494.6	2,701.4
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	758.3	615.4	341.1	285.6	2,000.4
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	1,155.9	1,155.9
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	667.5	667.5
VA - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Measures								
	AC Tune-Ups	Total Participants	0	120	421	715	345	1,601
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	0	698,864	1,594,599	3,151,386	5,307,219	10,752,068
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	0	594,034	1,355,410	2,802,212	4,719,180	9,470,835
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	1,997.7	2,509.8	2,331.3	2,300.6	9,139.4
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	1,698.0	2,133.3	1,754.1	1,731.0	7,316.4
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	403.6	403.6
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	303.6	303.6
	Advanced Power Strip	Total Participants	0	0	0	0	0	0
Installed kWh/year	Advanced Power Strip	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Advanced Power Strip	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Total Participants	0	0	0	0	0	0
Installed kWh/year	Air Compressor Leak Repairs	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Air Compressor Leak Repairs	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
Installed Summer peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Total Participants	0	0	12	400	114	526
Installed kWh/year	Condenser Coil Clean	Total Gross Energy Savings (kWh/yr)	0	0	79,204	40,405,247	18,166,538	58,650,989
	Condenser Coil Clean	Net Adjusted Savings (kWh/yr)	0	0	67,323	15,075,198	6,777,935	21,920,456
Installed Summer peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	5.8	2,929.1	1,315.5	4,250.3
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	4.9	1,652.6	742.2	2,399.7
Installed Winter peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	1,315.5	1,315.5
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	742.2	742.2

K.21.4 2017–2021 Virginia Prescriptive Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CNRP	Schedule 10	44,905	41,947	107%	3,275,435	1%
CNRP	Schedule 5P	3,967	41,947	9%	215,515	2%
CNRP	Schedule 6TS	41,809	41,947	100%	5,707,846	1%
CNRP	Schedule 5	7,077	41,947	17%	49,382	14%
CNRP	Schedule GS-2	11,200	41,947	27%	247,005	5%
CNRP	Schedule GS-4	146,541	41,947	349%	41,684,447	0%
CNRP	Schedule DP-2	1,327	41,947	3%	381,085	0%
CNRP	Schedule GS-1	2,337	41,947	6%	16,481	14%
CNRP	Schedule GS-3	60,856	41,947	145%	4,258,051	1%
CNRP	Schedule 5C	3,004	41,947	7%	48,023	6%
CNRP	Schedule GS-2T	23,477	41,947	56%	453,711	5%
CNRP	Schedule 7	1,085	41,947	3%	Not Available	Not Available

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K.22 Virginia Non-Residential Heating and Cooling Efficiency Program (DSM Phase VII) 2019–2021

K.22.1 2019–2021 Virginia Non-Residential Heating and Cooling Efficiency (DSM Phase VII) Program Annual Indicator Tables

VA - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$11,566	$38,539	$27,297	$77,402
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$342,194	$723,971	$582,157	$1,648,322
Costs ($)		Planned	$1,130,793	$1,921,705	$1,871,906	$4,924,405
Costs ($)		Variance	-$788,599	-$1,197,735	-$1,289,750	-$3,276,083
		Annual % of Planned	30%	38%	31%	33%
Participants[1]		Total (Gross)	0	30	44	74
		Planned	350	658	658	1,666
		Variance	-350	-628	-614	-1,592
		Annual % of Planned (Gross)	0%	5%	7%	4%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	2,352,639	527,840	2,880,479
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	2,352,639	527,840	2,880,479
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kWh/yr)	0	-705,792	-158,352	-864,144
		Net Adjusted Savings (kWh/yr)	0	1,646,848	369,488	2,016,336
		Planned Net Savings (kWh/yr)	1,014,615	8,549,281	8,180,639	17,744,536
		Annual % Toward Planned Net Savings	0%	19.3%	4.52%	11.4%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	78,421	11,996	38,925
		Avg. Net Savings Per Participant (kWh/yr)	N/A	54,895	8,397	27,248
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	407.9	58.8	466.7
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	407.9	58.8	466.7
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	-122.4	-17.6	-140.0
		Net Adjusted Demand Reduction (kW)	0.0	285.5	41.1	326.7
		Planned Net Savings (kW)	0.0	1,917.3	1,491.8	3,409.1
		Annual % Toward Planned Net Reduction	N/A	14.9%	2.76%	9.58%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	13.6	1.3	6.3
		Avg. Net Demand Reduction Per Participant (kW)	N/A	9.5	0.9	4.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	29.0	29.0
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	29.0	29.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-8.7	-8.7
		Net Adjusted Demand Reduction (kW)	0.0	0.0	20.3	20.3
		Planned Net Savings (kW)	0.0	1,917.3	1,491.8	3,409.1
		Annual % Toward Planned Net Reduction	N/A	0%	1.36%	0.60%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.7	0.4
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.5	0.3
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$1,285	$620	$1,046
		Annual $Admin. per kWh/year (Gross)	N/A	$0.02	$0.05	$0.03
		Annual $Admin. per kW (Gross)	N/A	$94	$464	$166
		Annual $EM&V per $Total	11.1%	12.7%	19.3%	14.7%

1. A participant is a unique account number.

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K.22.2 2021 Virginia Non-Residential Heating and Cooling Efficiency (DSM Phase VII) Program Monthly Indicator Tables

VA - Non-Residential Heating and Cooling Efficiency Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,527	$1,997	$2,845	$2,001	$1,618	$4,514	$2,642	$1,750	$1,743	$2,128	$1,739	$1,794	**$27,297**	**$77,402**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$53,897	$42,580	$60,665	$42,665	$34,506	$96,266	$56,345	$37,317	$37,168	$45,387	$37,094	$38,267	**$582,157**	**$1,648,322**
Costs ($)		Planned	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	$155,992	**$1,871,906**	**$4,924,405**
Costs ($)		Variance	-$102,095	-$113,412	-$95,327	-$113,328	-$121,487	-$59,726	-$99,647	-$118,675	-$118,824	-$110,605	-$118,898	-$117,725	**-$1,289,750**	**-$3,276,083**
		Annual % of Planned	3%	5%	8%	11%	13%	18%	21%	23%	25%	27%	29%	31%	**31%**	**33%**
Participants[1]		Total (Gross)	2	2	6	9	1	0	5	0	0	7	9	3	**44**	**74**
		Planned	64	54	54	54	54	54	54	54	54	54	54	54	**658**	**1,666**
		Variance	-62	-52	-48	-45	-53	-54	-49	-54	-54	-47	-45	-51	**-614**	**-1,592**
		Annual % of Planned (Gross)	3%	4%	11%	17%	2%	0%	9%	0%	0%	13%	17%	6%	**7%**	**4%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	22,499	43,067	214,295	88,146	2,946	0	133,004	0	0	11,042	7,802	5,038	**527,840**	**2,880,479**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	N/A	100%	N/A	N/A	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	22,499	43,067	214,295	88,146	2,946	0	133,004	0	0	11,042	7,802	5,038	**527,840**	**2,880,479**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	N/A	70%	N/A	N/A	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kWh/yr)	-6,750	-12,920	-64,289	-26,444	-884	0	-39,901	0	0	-3,313	-2,340	-1,512	**-158,352**	**-864,144**
		Net Adjusted Savings (kWh/yr)	15,749	30,147	150,007	61,702	2,062	0	93,103	0	0	7,729	5,461	3,527	**369,488**	**2,016,336**
		Planned Net Savings (kWh/yr)	795,685	671,359	671,359	671,359	671,359	671,359	671,359	671,359	671,359	671,359	671,359	671,359	**8,180,639**	**17,744,536**
		Annual % Toward Planned Net Savings	0.19%	0.56%	2.39%	3.15%	3.17%	3.17%	4.31%	4.31%	4.31%	4.41%	4.47%	4.52%	**4.52%**	**11.4%**
		Avg. Gross Savings Per Participant (kWh/yr)	11,249	21,534	35,716	9,794	2,946	N/A	26,601	N/A	N/A	1,577	867	1,679	**11,996**	**38,925**
		Avg. Net Savings Per Participant (kWh/yr)	7,875	15,074	25,001	6,856	2,062	N/A	18,621	N/A	N/A	1,104	607	1,176	**8,397**	**27,248**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	3.2	15.2	14.4	0.1	0.9	0.0	15.5	0.0	0.0	2.4	3.9	3.2	**58.8**	**466.7**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	0%	100%	0%	0%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	3.2	15.2	14.4	0.1	0.9	0.0	15.5	0.0	0.0	2.4	3.9	3.2	**58.8**	**466.7**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	0%	70%	0%	0%	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	-1.0	-4.5	-4.3	0.0	-0.3	0.0	-4.7	0.0	0.0	-0.7	-1.2	-1.0	**-17.6**	**-140.0**
		Net Adjusted Demand Reduction (kW)	2.2	10.6	10.1	0.1	0.7	0.0	10.9	0.0	0.0	1.7	2.7	2.2	**41.1**	**326.7**
		Planned Net Savings (kW)	145.1	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	**1,491.8**	**3,409.1**
		Annual % Toward Planned Net Reduction	0.15%	0.86%	1.54%	1.54%	1.59%	1.59%	2.32%	2.32%	2.32%	2.43%	2.61%	2.76%	**2.76%**	**9.58%**
		Avg. Gross Demand Reduction Per Participant (kW)	1.6	7.6	2.4	0.02	0.9	N/A	3.1	N/A	N/A	0.3	0.4	1.1	**1.3**	**6.3**
		Avg. Net Demand Reduction Per Participant (kW)	1.1	5.3	1.7	0.01	0.7	N/A	2.2	N/A	N/A	0.2	0.3	0.7	**0.9**	**4.4**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	2.9	0.0	20.0	0.4	0.0	0.0	3.6	0.0	0.0	1.7	0.3	0.0	**29.0**	**29.0**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	0%	100%	0%	0%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	2.9	0.0	20.0	0.4	0.0	0.0	3.6	0.0	0.0	1.7	0.3	0.0	**29.0**	**29.0**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	0%	70%	0%	0%	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	-0.9	0.0	-6.0	-0.1	0.0	0.0	-1.1	0.0	0.0	-0.5	-0.1	0.0	**-8.7**	**-8.7**
		Net Adjusted Demand Reduction (kW)	2.0	0.0	14.0	0.3	0.0	0.0	2.5	0.0	0.0	1.2	0.2	0.0	**20.3**	**20.3**
		Planned Net Savings (kW)	145.1	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	**1,491.8**	**3,409.1**
		Annual % Toward Planned Net Reduction	0.14%	0.14%	1.08%	1.10%	1.10%	1.10%	1.26%	1.26%	1.26%	1.35%	1.36%	1.36%	**1.36%**	**0.60%**
		Avg. Gross Demand Reduction Per Participant (kW)	1.5	0.0	3.3	0.05	0.0	N/A	0.7	N/A	N/A	0.2	0.04	0.0	**0.7**	**0.4**
		Avg. Net Demand Reduction Per Participant (kW)	1.0	0.0	2.3	0.03	0.0	N/A	0.5	N/A	N/A	0.2	0.02	0.0	**0.5**	**0.3**
Program Perfomance		Annual $Admin. per Participant (Gross)	$1,264	$1,131	$737	$493	$549	$775	$726	$796	$865	$743	$622	$620	**$620**	**$1,046**
		Annual $Admin. per kWh/year (Gross)	$0.11	$0.07	$0.03	$0.03	$0.03	$0.04	$0.04	$0.04	$0.04	$0.05	$0.05	$0.05	**$0.05**	**$0.03**
		Annual $Admin. per kW (Gross)	$791	$247	$225	$285	$325	$458	$368	$403	$438	$459	$459	$464	**$464**	**$166**
		Annual $EM&V per $Total	29.3%	16.4%	16.9%	13.3%	11.3%	26.3%	24.5%	23.3%	22.2%	21.6%	20.2%	19.3%	**19.3%**	**14.7%**
		Annual $Rebate per Participant (Gross)	$1,668	$3,054	$2,723	$1,891	$1,848	$1,848	$2,038	$2,038	$2,038	$1,723	$1,425	$1,374	**$1,374**	**$3,518**

1. A participant is a unique account number.

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K.22.3 2019–2021 Virginia Non-Residential Heating and Cooling Efficiency (DSM Phase VII) Program Measure Indicator Tables

VA - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2019-2021
Measures						
	Variable Frequency Drives (VFD)	Total Participants	0	12	17	29
Installed kWh/year	Variable Frequency Drives (VFD)	Total Gross Energy Savings (kWh/yr)	0	1,164,484	397,329	1,561,813
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	0	815,138	278,131	1,093,269
Installed Summer peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	16.9	14.1	31.0
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	11.8	9.9	21.7
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	0.0	20.0	20.0
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	14.0	14.0

VA - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2019-2021
Measures						
	Chiller Upgrade	Total Participants	0	5	1	6
Installed kWh/year	Chiller Upgrade	Total Gross Energy Savings (kWh/yr)	0	452,363	26,961	479,324
	Chiller Upgrade	Net Adjusted Savings (kWh/yr)	0	316,654	18,873	335,527
Installed Summer peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	0.0	275.2	15.2	290.4
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	0.0	192.6	10.6	203.3
Installed Winter peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Economizers	Total Participants	0	19	6	25
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	49,060	13,967	63,027
	Economizers	Net Adjusted Savings (kWh/yr)	0	34,342	9,777	44,119
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Heat Pump Upgrade	Total Participants	0	7	14	21
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	463,739	60,826	524,565
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	324,618	42,578	367,196
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	57.2	10.5	67.7
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	40.0	7.3	47.4
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	8.9	8.9
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	6.3	6.3
	Unitary AC	Total Participants	0	16	17	33
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	222,993	28,757	251,751
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	156,095	20,130	176,225
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	58.6	19.0	77.7
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	41.0	13.3	54.4
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

K.22.4 2019–2021 Virginia Non-Residential Heating and Cooling Efficiency (DSM Phase VII) Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CHV3	Schedule 5C	6,047	9,441	64%	48,023	13%
CHV3	Schedule GS-2T	10,937	9,441	116%	453,711	2%
CHV3	Schedule GS-2	42,114	9,441	446%	247,005	17%
CHV3	Schedule GS-1	19,486	9,441	206%	16,481	118%
CHV3	Schedule 7	5,144	9,441	54%	Not Available	Not Available

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K.23 Virginia Non-Residential Lighting Systems & Controls Program (DSM Phase VII) 2019–2021

K.23.1 2019–2021 Virginia Non-Residential Lighting Systems & Controls (DSM Phase VII) Program Annual Indicator Tables

VA - Non-Residential Lighting Systems & Controls Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$20,021	$203,084	$165,869	$388,974
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$592,373	$3,989,872	$3,537,467	$8,119,712
Costs ($)		Planned	$1,633,867	$2,905,369	$2,192,482	$6,731,718
Costs ($)		Variance	-$1,041,495	$1,084,503	$1,344,986	$1,387,994
		Annual % of Planned	36%	137%	161%	121%
Participants[1]		Total (Gross)	0	406	388	794
		Planned	333	625	344	1,302
		Variance	-333	-219	44	-508
		Annual % of Planned (Gross)	0%	65%	113%	61%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	29,189,250	22,546,913	51,736,163
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	29,189,250	22,546,913	51,736,163
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kWh/yr)	0	-8,756,775	-6,764,074	-15,520,849
		Net Adjusted Savings (kWh/yr)	0	20,432,475	15,782,839	36,215,314
		Planned Net Savings (kWh/yr)	1,445,890	13,361,527	6,929,799	21,737,216
		Annual % Toward Planned Net Savings	0%	152.9%	227.8%	166.6%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	71,895	58,111	65,159
		Avg. Net Savings Per Participant (kWh/yr)	N/A	50,326	40,677	45,611
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	4,019.8	3,194.9	7,214.7
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	4,019.8	3,194.9	7,214.7
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	-1,205.9	-958.5	-2,164.4
		Net Adjusted Demand Reduction (kW)	0.0	2,813.8	2,236.5	5,050.3
		Planned Net Savings (kW)	0.0	2,769.7	938.0	3,707.7
		Annual % Toward Planned Net Reduction	N/A	101.6%	238.4%	136.2%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	9.9	8.2	9.1
		Avg. Net Demand Reduction Per Participant (kW)	N/A	6.9	5.8	6.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	2,487.7	2,487.7
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	2,487.7	2,487.7
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-746.3	-746.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	1,741.4	1,741.4
		Planned Net Savings (kW)	0.0	2,769.7	938.0	3,707.7
		Annual % Toward Planned Net Reduction	N/A	0%	185.6%	47.0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	6.4	3.1
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	4.5	2.2
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$500	$427	$490
		Annual $Admin. per kWh/year (Gross)	N/A	$0.01	$0.01	$0.01
		Annual $Admin. per kW (Gross)	N/A	$51	$52	$54
		Annual $EM&V per $Total	8.4%	2.5%	3.4%	3.3%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

K.23.2 2021 Virginia Non-Residential Lighting Systems & Controls (DSM Phase VII) Program Monthly Indicator Tables

VA - Non-Residential Lighting Systems & Controls Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$10,646	$14,815	$14,940	$9,250	$20,299	$16,337	$11,827	$16,751	$20,250	$12,948	$5,495	$12,309	**$165,869**	**$388,974**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$227,044	$315,952	$318,632	$197,283	$432,923	$348,424	$252,227	$357,257	$431,863	$276,142	$117,201	$262,521	**$3,537,467**	**$8,119,712**
Costs ($)		Planned	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	$182,707	**$2,192,482**	**$6,731,718**
Costs ($)		Variance	$44,337	$133,245	$135,925	$14,576	$250,216	$165,718	$69,520	$174,550	$249,157	$93,435	-$65,506	$79,814	**$1,344,986**	**$1,387,994**
		Annual % of Planned	10%	25%	39%	48%	68%	84%	95%	112%	131%	144%	149%	161%	**161%**	**121%**
Participants[1]		Total (Gross)	29	40	32	26	47	34	30	46	37	23	15	29	**388**	**794**
		Planned	36	28	28	28	28	28	28	28	28	28	28	28	**344**	**1,302**
		Variance	-7	12	4	-2	19	6	2	18	9	-5	-13	1	**44**	**-508**
		Annual % of Planned (Gross)	81%	143%	114%	93%	168%	121%	107%	164%	132%	82%	54%	104%	**113%**	**61%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,164,086	2,278,367	1,800,409	1,118,612	2,831,376	2,716,118	1,353,942	2,425,092	3,618,792	1,386,543	334,412	1,519,164	**22,546,913**	**51,736,163**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	1,164,086	2,278,367	1,800,409	1,118,612	2,831,376	2,716,118	1,353,942	2,425,092	3,618,792	1,386,543	334,412	1,519,164	**22,546,913**	**51,736,163**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kWh/yr)	-349,226	-683,510	-540,123	-335,584	-849,413	-814,835	-406,182	-727,528	-1,085,638	-415,963	-100,324	-455,749	**-6,764,074**	**-15,520,849**
		Net Adjusted Savings (kWh/yr)	814,860	1,594,857	1,260,286	783,029	1,981,963	1,901,282	947,759	1,697,564	2,533,154	970,580	234,088	1,063,415	**15,782,839**	**36,215,314**
		Planned Net Savings (kWh/yr)	725,212	564,053	564,053	564,053	564,053	564,053	564,053	564,053	564,053	564,053	564,053	564,053	**6,929,799**	**21,737,216**
		Annual % Toward Planned Net Savings	11.8%	34.8%	53.0%	64.3%	92.9%	120.3%	134.0%	158.5%	195.0%	209.0%	212.4%	227.8%	**227.8%**	**166.6%**
		Avg. Gross Savings Per Participant (kWh/yr)	40,141	56,959	56,263	43,024	60,242	79,886	45,131	52,719	97,805	60,284	22,294	52,385	**58,111**	**65,159**
		Avg. Net Savings Per Participant (kWh/yr)	28,099	39,871	39,384	30,116	42,169	55,920	31,592	36,904	68,464	42,199	15,606	36,669	**40,677**	**45,611**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	114.3	315.5	256.5	225.5	458.4	478.3	229.2	257.2	426.8	169.6	29.5	234.1	**3,194.9**	**7,214.7**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	114.3	315.5	256.5	225.5	458.4	478.3	229.2	257.2	426.8	169.6	29.5	234.1	**3,194.9**	**7,214.7**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	-34.3	-94.7	-77.0	-67.6	-137.5	-143.5	-68.8	-77.1	-128.0	-50.9	-8.8	-70.2	**-958.5**	**-2,164.4**
		Net Adjusted Demand Reduction (kW)	80.0	220.9	179.6	157.8	320.9	334.8	160.4	180.0	298.7	118.7	20.6	163.9	**2,236.5**	**5,050.3**
		Planned Net Savings (kW)	98.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	**938.0**	**3,707.7**
		Annual % Toward Planned Net Reduction	8.53%	32.1%	51.2%	68.0%	102.3%	137.9%	155.1%	174.2%	206.1%	218.8%	221.0%	238.4%	**238.4%**	**136.2%**
		Avg. Gross Demand Reduction Per Participant (kW)	3.9	7.9	8.0	8.7	9.8	14.1	7.6	5.6	11.5	7.4	2.0	8.1	**8.2**	**9.1**
		Avg. Net Demand Reduction Per Participant (kW)	2.8	5.5	5.6	6.1	6.8	9.8	5.3	3.9	8.1	5.2	1.4	5.7	**5.8**	**6.4**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	139.3	257.4	204.4	110.2	289.9	265.5	148.0	284.6	421.0	157.5	42.7	167.2	**2,487.7**	**2,487.7**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	139.3	257.4	204.4	110.2	289.9	265.5	148.0	284.6	421.0	157.5	42.7	167.2	**2,487.7**	**2,487.7**
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	-41.8	-77.2	-61.3	-33.1	-87.0	-79.7	-44.4	-85.4	-126.3	-47.3	-12.8	-50.2	**-746.3**	**-746.3**
		Net Adjusted Demand Reduction (kW)	97.5	180.2	143.1	77.1	202.9	185.9	103.6	199.2	294.7	110.3	29.9	117.0	**1,741.4**	**1,741.4**
		Planned Net Savings (kW)	98.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	**938.0**	**3,707.7**
		Annual % Toward Planned Net Reduction	10.4%	29.6%	44.9%	53.1%	74.7%	94.5%	105.6%	126.8%	158.2%	170.0%	173.2%	185.6%	**185.6%**	**47.0%**
		Avg. Gross Demand Reduction Per Participant (kW)	4.8	6.4	6.4	4.2	6.2	7.8	4.9	6.2	11.4	6.8	2.8	5.8	**6.4**	**3.1**
		Avg. Net Demand Reduction Per Participant (kW)	3.4	4.5	4.5	3.0	4.3	5.5	3.5	4.3	8.0	4.8	2.0	4.0	**4.5**	**2.2**
Program Perfomance		Annual $Admin. per Participant (Gross)	$367	$369	$400	$391	$402	$415	$412	$404	$421	$430	$428	$427	**$427**	**$490**
		Annual $Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	**$0.01**	**$0.01**
		Annual $Admin. per kW (Gross)	$93	$59	$59	$54	$51	$47	$47	$49	$49	$51	$52	$52	**$52**	**$54**
		Annual $EM&V per $Total	8.4%	3.5%	4.1%	3.4%	2.4%	4.8%	4.7%	4.2%	3.8%	3.7%	3.6%	3.4%	**3.4%**	**3.3%**
		Annual $Rebate per Participant (Gross)	$3,853	$4,696	$5,204	$4,965	$5,450	$5,465	$5,393	$5,363	$5,717	$5,832	$5,679	$5,661	**$5,661**	**$6,201**

1. A participant is a unique account number.

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K.23.3 2019–2021 Virginia Non-Residential Lighting Systems & Controls (DSM Phase VII) Program Measure Indicator Tables

VA - Non-Residential Lighting Systems & Controls Program			2019	2020	2021	2019-2021
Measures						
	LED Lamps	Total Participants	0	406	387	793
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	28,703,462	22,202,144	50,905,606
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	20,092,423	15,541,501	35,633,924
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	3,962.0	3,158.2	7,120.2
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	2,773.4	2,210.7	4,984.1
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	2,466.7	2,466.7
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	1,726.7	1,726.7
	Occupancy Sensors	Total Participants	0	30	25	55
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	485,788	300,036	785,823
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	340,051	210,025	550,076
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	57.8	25.5	83.3
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	40.5	17.9	58.3
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	18.1	18.1
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	12.7	12.7
	T8/T5 Lamps	Total Participants	0	0	2	2
Installed kWh/year	T8/T5 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	44,733	44,733
	T8/T5 Lamps	Net Adjusted Savings (kWh/yr)	0	0	31,313	31,313
Installed Summer peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	11.2	11.2
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	7.9	7.9
Installed Winter peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	2.9	2.9
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	2.0	2.0

K.23.4 2019–2021 Virginia Non-Residential Lighting Systems & Controls (DSM Phase VII) Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CLT3	Schedule GS-3	40,301	15,288	264%	4,258,051	1%
CLT3	Schedule GS-1	16,761	15,288	110%	16,481	102%
CLT3	Schedule 5C	36,399	15,288	238%	48,023	76%
CLT3	Schedule 5P	46,278	15,288	303%	215,515	21%
CLT3	Schedule 5	57,844	15,288	378%	49,382	117%
CLT3	Schedule DP-2	149,608	15,288	979%	381,085	39%
CLT3	Schedule GS-2T	87,081	15,288	570%	453,711	19%
CLT3	Schedule GS-2	59,975	15,288	392%	247,005	24%

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K.24 Virginia Non-Residential Office Program 2019–2021

K.24.1 2019–2021 Virginia Non-Residential Office Program Annual Indicator Tables

VA - Non-Residential Office Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$13,706	$21,271	$37,706	$72,683
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$405,507	$408,837	$804,161	$1,618,506
Costs ($)		Planned	$832,726	$1,140,867	$1,141,410	$3,115,002
Costs ($)		Variance	-$427,218	-$732,030	-$337,249	-$1,496,497
		Annual % of Planned	49%	36%	70%	52%
Participants[1]		Total (Gross)	0	6	59	65
		Planned	42	79	78	199
		Variance	-42	-73	-19	-134
		Annual % of Planned (Gross)	0%	8%	76%	33%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	131,417	1,203,577	1,334,994
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	131,417	1,203,577	1,334,994
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	-13,142	-120,358	-133,499
		Net Adjusted Savings (kWh/yr)	0	118,275	1,083,219	1,201,494
		Planned Net Savings (kWh/yr)	594,427	4,901,797	4,570,318	10,066,542
		Annual % Toward Planned Net Savings	0%	2.41%	23.7%	11.9%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	21,903	20,400	20,538
		Avg. Net Savings Per Participant (kWh/yr)	N/A	19,713	18,360	18,485
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	427.4	139.5	566.9
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	427.4	139.5	566.9
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$3,545	$639	$1,118
		Annual $Admin. per kWh/year (Gross)	N/A	$0.16	$0.03	$0.05
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	25.8%	35.9%	17.6%	24.3%

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.24.2 2021 Virginia Non-Residential Office Program Monthly Indicator Tables

VA - Non-Residential Office Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$5,887	$6,318	$3,632	$5,553	$4,279	$3,948	$1,818	$1,048	$1,509	$1,579	$982	$1,155	**$37,706**	**$72,683**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$125,553	$134,738	$77,469	$118,419	$91,248	$84,207	$38,771	$22,345	$32,182	$33,665	$20,938	$24,626	**$804,161**	**$1,618,506**
Costs ($)		Planned	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	$95,117	**$1,141,410**	**$3,115,002**
Costs ($)		Variance	$30,436	$39,621	-$17,648	$23,301	-$3,870	-$10,910	-$56,346	-$72,772	-$62,936	-$61,453	-$74,179	-$70,491	**-$337,249**	**-$1,496,497**
		Annual % of Planned	11%	23%	30%	40%	48%	55%	59%	61%	64%	66%	68%	70%	**70%**	**52%**
Participants[1]		Total (Gross)	19	8	5	13	10	0	2	0	1	0	1	0	**59**	**65**
		Planned	12	6	6	6	6	6	6	6	6	6	6	6	**78**	**199**
		Variance	7	2	-1	7	4	-6	-4	-6	-5	-6	-5	-6	**-19**	**-134**
		Annual % of Planned (Gross)	158%	133%	83%	217%	167%	0%	33%	0%	17%	0%	17%	0%	**76%**	**33%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	396,287	163,158	76,797	276,575	202,998	0	46,171	0	20,463	0	21,128	0	**1,203,577**	**1,334,994**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	N/A	100%	N/A	100%	N/A	100%	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	396,287	163,158	76,797	276,575	202,998	0	46,171	0	20,463	0	21,128	0	**1,203,577**	**1,334,994**
		Net-To-Gross Rate Weighted by Measure	90%	90%	90%	90%	90%	N/A	90%	N/A	90%	N/A	90%	N/A	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	-39,629	-16,316	-7,680	-27,657	-20,300	0	-4,617	0	-2,046	0	-2,113	0	**-120,358**	**-133,499**
		Net Adjusted Savings (kWh/yr)	356,658	146,842	69,117	248,917	182,698	0	41,554	0	18,417	0	19,015	0	**1,083,219**	**1,201,494**
		Planned Net Savings (kWh/yr)	703,126	351,563	351,563	351,563	351,563	351,563	351,563	351,563	351,563	351,563	351,563	351,563	**4,570,318**	**10,066,542**
		Annual % Toward Planned Net Savings	7.80%	11.0%	12.5%	18.0%	22.0%	22.0%	22.9%	22.9%	23.3%	23.3%	23.7%	23.7%	**23.7%**	**11.9%**
		Avg. Gross Savings Per Participant (kWh/yr)	20,857	20,395	15,359	21,275	20,300	N/A	23,085	N/A	20,463	N/A	21,128	N/A	**20,400**	**20,538**
		Avg. Net Savings Per Participant (kWh/yr)	18,771	18,355	13,823	19,147	18,270	N/A	20,777	N/A	18,417	N/A	19,015	N/A	**18,360**	**18,485**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	21.5	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	**139.5**	**566.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	**0.0**	**0.0**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	21.5	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	**139.5**	**566.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	$310	$452	$495	$475	$467	$538	$551	$570	$586	$613	$620	$639	**$639**	**$1,118**
		Annual $Admin. per kWh/year (Gross)	$0.01	$0.02	$0.02	$0.02	$0.02	$0.03	$0.03	$0.03	$0.03	$0.03	$0.03	$0.03	**$0.03**	**$0.05**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	16.1%	7.8%	10.9%	8.1%	6.7%	15.8%	16.0%	16.3%	16.7%	18.1%	17.6%	17.6%	**17.6%**	**24.3%**
		Annual $Rebate per Participant (Gross)	$4,197	$4,076	$4,073	$4,097	$4,039	$4,039	$4,017	$4,017	$4,019	$4,019	$4,020	$4,020	**$4,020**	**$3,921**

1. A participant is a unique account number.

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K.24.3 2019–2021 Virginia Non-Residential Office Program Measure Indicator Tables

VA - Non-Residential Office Program			2019	2020	2021	2019-2021
Measures						
	Schedule HVAC (gas heat)	Total Participants	0	6	57	63
Installed kWh/year	Schedule HVAC (gas heat)	Total Gross Energy Savings (kWh/yr)	0	37,218	333,424	370,642
	Schedule HVAC (gas heat)	Net Adjusted Savings (kWh/yr)	0	33,497	300,082	333,578
Installed Summer peak kW	Schedule HVAC (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule HVAC (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Schedule HVAC (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule HVAC (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule Lighting	Total Participants	0	0	0	0
Installed kWh/year	Schedule Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Schedule Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Schedule Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Schedule Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Static Pressure Reset	Total Participants	0	0	0	0
Installed kWh/year	Static Pressure Reset	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Static Pressure Reset	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Static Pressure Reset	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Static Pressure Reset	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Static Pressure Reset	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Static Pressure Reset	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Non-Residential Office Program			2019	2020	2021	2019-2021
Measures						
	Night Temperature Setback	Total Participants	0	6	59	65
Installed kWh/year	Night Temperature Setback	Total Gross Energy Savings (kWh/yr)	0	94,198	869,641	963,840
	Night Temperature Setback	Net Adjusted Savings (kWh/yr)	0	84,779	782,677	867,456
Installed Summer peak kW	Night Temperature Setback	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Night Temperature Setback	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Night Temperature Setback	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Night Temperature Setback	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (electric heat)	Total Participants	0	0	0	0
Installed kWh/year	Reduce VAV Box Minimum Position (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Reduce VAV Box Minimum Position (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Reduce VAV Box Minimum Position (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (gas heat)	Total Participants	0	0	0	0
Installed kWh/year	Reduce VAV Box Minimum Position (gas heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Reduce VAV Box Minimum Position (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Reduce VAV Box Minimum Position (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule HVAC (electric heat)	Total Participants	0	0	2	2
Installed kWh/year	Schedule HVAC (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	512	512
	Schedule HVAC (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	461	461
Installed Summer peak kW	Schedule HVAC (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule HVAC (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Schedule HVAC (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Schedule HVAC (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Non-Residential Office Program			2019	2020	2021	2019-2021
Measures						
	Condenser Temperature Reset	Total Participants	0	0	0	0
Installed kWh/year	Condenser Temperature Reset	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Condenser Temperature Reset	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Condenser Temperature Reset	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Condenser Temperature Reset	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Condenser Temperature Reset	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Condenser Temperature Reset	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Discharge Air Temperature Reset (electric heat)	Total Participants	0	0	0	0
Installed kWh/year	Discharge Air Temperature Reset (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Discharge Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Discharge Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Air-side Economizers	Total Participants	0	0	0	0
Installed kWh/year	Dual Enthalpy Air-side Economizers	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Dual Enthalpy Air-side Economizers	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Dual Enthalpy Air-side Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Air-side Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Dual Enthalpy Air-side Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Air-side Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Economizer Control	Total Participants	0	0	0	0
Installed kWh/year	Dual Enthalpy Economizer Control	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Dual Enthalpy Economizer Control	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Dual Enthalpy Economizer Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Economizer Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Dual Enthalpy Economizer Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dual Enthalpy Economizer Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

K.24.4 2019–2021 Virginia Non-Residential Office Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CTSO	Schedule GS-2T	18,768	44,932	42%	453,711	4%
CTSO	Schedule GS-2	12,626	44,932	28%	247,005	5%

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K.25 Virginia Non-Residential Small Manufacturing Program 2019–2021

K.25.1 2019–2021 Virginia Non-Residential Small Manufacturing Program Annual Indicator Tables

VA - Non-Residential Small Manufacturing Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$12,414	$17,681	$13,158	$43,253
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$367,297	$331,721	$280,616	$979,634
Costs ($)		Planned	$862,936	$1,226,932	$1,235,523	$3,325,391
Costs ($)		Variance	-$495,639	-$895,211	-$954,907	-$2,345,757
		Annual % of Planned	43%	27%	23%	29%
Participants[1]		Total (Gross)	0	0	1	1
		Planned	0	66	65	131
		Variance	0	-66	-64	-130
		Annual % of Planned (Gross)	N/A	0%	2%	1%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	112,237	112,237
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	112,237	112,237
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-11,224	-11,224
		Net Adjusted Savings (kWh/yr)	0	0	101,013	101,013
		Planned Net Savings (kWh/yr)	0	3,320,243	2,969,861	6,290,104
		Annual % Toward Planned Net Savings	N/A	0%	3.40%	1.61%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	112,237	112,237
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	101,013	101,013
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	23.2	23.2
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	23.2	23.2
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-2.3	-2.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	20.9	20.9
		Planned Net Savings (kW)	0.0	711.6	626.4	1,338.0
		Annual % Toward Planned Net Reduction	N/A	0%	3.33%	1.56%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	23.2	23.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	20.9	20.9
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	23.2	23.2
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	23.2	23.2
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-2.3	-2.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	20.9	20.9
		Planned Net Savings (kW)	0.0	711.6	626.4	1,338.0
		Annual % Toward Planned Net Reduction	N/A	0%	3.33%	1.56%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	23.2	23.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	20.9	20.9
Measures						
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	$13,158	$43,253
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	$0.12	$0.39
		Annual $Admin. per kW (Gross)	N/A	N/A	$567	$1,864
		Annual $EM&V per $Total	20.8%	30.0%	16.7%	22.7%
		Annual $Rebate per Participant (Gross)	N/A	N/A	$10,307	$10,307

1. A participant is a unique account number.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.25.2 2021 Virginia Non-Residential Small Manufacturing Program Monthly Indicator Tables

VA - Non-Residential Small Manufacturing Program			2019	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	Total	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate																
O&M ($)		Direct Implementation																
O&M ($)		Direct EM&V																
O&M ($)		Indirect Other (Administrative)	$12,414	$17,681	$3,807	-$1,463	$1,005	$940	$948	$1,507	$946	$978	$1,025	$1,864	$752	$850	$13,158	$43,253
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$367,297	$331,721	$81,200	-$31,201	$21,425	$20,039	$20,210	$32,145	$20,182	$20,856	$21,862	$39,748	$16,031	$18,120	$280,616	$979,634
Costs ($)		Planned	$862,936	$1,226,932	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$102,960	$1,235,523	$3,325,391
Costs ($)		Variance	-$495,639	-$895,211	-$21,761	-$134,161	-$81,535	-$82,921	-$82,750	-$70,816	-$82,778	-$82,104	-$81,098	-$63,212	-$86,929	-$84,840	-$954,907	-$2,345,757
		Annual % of Planned	43%	27%	7%	4%	6%	7%	9%	12%	13%	15%	17%	20%	21%	23%	23%	29%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
		Planned	0	66	10	5	5	5	5	5	5	5	5	5	5	5	65	131
		Variance	0	-66	-10	-5	-5	-5	-5	-5	-5	-5	-5	-4	-5	-5	-64	-130
		Annual % of Planned (Gross)	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	2%	1%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	112,237	0	0	112,237	112,237
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	N/A	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	112,237	0	0	112,237	112,237
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	-11,224	0	0	-11,224	-11,224
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	101,013	0	0	101,013	101,013
		Planned Net Savings (kWh/yr)	0	3,320,243	456,902	228,451	228,451	228,451	228,451	228,451	228,451	228,451	228,451	228,451	228,451	228,451	2,969,861	6,290,104
		Annual % Toward Planned Net Savings	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3.40%	3.40%	3.40%	3.40%	1.61%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	112,237	N/A	N/A	112,237	112,237
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	101,013	N/A	N/A	101,013	101,013
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	23.2	23.2
		Realization Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	23.2	23.2
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.3	0.0	0.0	-2.3	-2.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	20.9	20.9
		Planned Net Savings (kW)	0.0	711.6	96.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	626.4	1,338.0
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3.33%	3.33%	3.33%	3.33%	1.56%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23.2	N/A	N/A	23.2	23.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.9	N/A	N/A	20.9	20.9
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	23.2	23.2
		Realization Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	23.2	23.2
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.3	0.0	0.0	-2.3	-2.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	20.9	20.9
		Planned Net Savings (kW)	0.0	711.6	96.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	626.4	1,338.0
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3.33%	3.33%	3.33%	3.33%	1.56%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23.2	N/A	N/A	23.2	23.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.9	N/A	N/A	20.9	20.9
Measures																		
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$11,557	$12,308	$13,158	$13,158	$43,253
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0.10	$0.11	$0.12	$0.12	$0.39
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$498	$531	$567	$567	$1,864
		Annual $EM&V per $Total	20.8%	30.0%	11.1%	18.1%	14.4%	11.2%	9.2%	15.1%	15.7%	16.4%	17.3%	18.2%	17.1%	16.7%	16.7%	22.7%
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$10,307	$10,307	$10,307	$10,307	$10,307

1. A participant is a unique account number.

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K.25.3 2019–2021 Virginia Non-Residential Small Manufacturing Program Measure Indicator Tables

VA - Non-Residential Small Manufacturing Program			2019	2020	2021	2019-2021
Measures						
	Leak Repair	Total Participants	0	0	1	1
Installed kWh/year	Leak Repair	Total Gross Energy Savings (kWh/yr)	0	0	37,665	37,665
	Leak Repair	Net Adjusted Savings (kWh/yr)	0	0	33,898	33,898
Installed Summer peak kW	Leak Repair	Total Gross Demand Reduction (kW)	0.0	0.0	7.8	7.8
	Leak Repair	Net Adjusted Demand Reduction (kW)	0.0	0.0	7.0	7.0
Installed Winter peak kW	Leak Repair	Total Gross Demand Reduction (kW)	0.0	0.0	7.8	7.8
	Leak Repair	Net Adjusted Demand Reduction (kW)	0.0	0.0	7.0	7.0
	Low Pressure-Drop Filter	Total Participants	0	0	1	1
Installed kWh/year	Low Pressure-Drop Filter	Total Gross Energy Savings (kWh/yr)	0	0	942	942
	Low Pressure-Drop Filter	Net Adjusted Savings (kWh/yr)	0	0	847	847
Installed Summer peak kW	Low Pressure-Drop Filter	Total Gross Demand Reduction (kW)	0.0	0.0	0.2	0.2
	Low Pressure-Drop Filter	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.2	0.2
Installed Winter peak kW	Low Pressure-Drop Filter	Total Gross Demand Reduction (kW)	0.0	0.0	0.2	0.2
	Low Pressure-Drop Filter	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.2	0.2
	No-Loss Condensate Drain	Total Participants	0	0	1	1
Installed kWh/year	No-Loss Condensate Drain	Total Gross Energy Savings (kWh/yr)	0	0	5,407	5,407
	No-Loss Condensate Drain	Net Adjusted Savings (kWh/yr)	0	0	4,866	4,866
Installed Summer peak kW	No-Loss Condensate Drain	Total Gross Demand Reduction (kW)	0.0	0.0	1.1	1.1
	No-Loss Condensate Drain	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.0	1.0
Installed Winter peak kW	No-Loss Condensate Drain	Total Gross Demand Reduction (kW)	0.0	0.0	1.1	1.1
	No-Loss Condensate Drain	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.0	1.0
	Pressure Reduction	Total Participants	0	0	1	1
Installed kWh/year	Pressure Reduction	Total Gross Energy Savings (kWh/yr)	0	0	5,784	5,784
	Pressure Reduction	Net Adjusted Savings (kWh/yr)	0	0	5,206	5,206
Installed Summer peak kW	Pressure Reduction	Total Gross Demand Reduction (kW)	0.0	0.0	1.1	1.1
	Pressure Reduction	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.0	1.0
Installed Winter peak kW	Pressure Reduction	Total Gross Demand Reduction (kW)	0.0	0.0	1.1	1.1
	Pressure Reduction	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.0	1.0
	VFD Air Compressor	Total Participants	0	0	0	0
	VFD Air Compressor	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	VFD Air Compressor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	VFD Air Compressor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	VFD Air Compressor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	VFD Air Compressor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Manufacturing Program			2019	2020	2021	2019-2021
Measures						
	Dew Point Controls	Total Participants	0	0	0	0
Installed kWh/year	Dew Point Controls	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Dew Point Controls	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Dew Point Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dew Point Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Dew Point Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Dew Point Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Downsized VFD Compressor	Total Participants	0	0	0	0
Installed kWh/year	Downsized VFD Compressor	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Downsized VFD Compressor	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Downsized VFD Compressor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Downsized VFD Compressor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Downsized VFD Compressor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Downsized VFD Compressor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Engineered Nozzle	Total Participants	0	0	1	1
Installed kWh/year	Engineered Nozzle	Total Gross Energy Savings (kWh/yr)	0	0	55,058	55,058
	Engineered Nozzle	Net Adjusted Savings (kWh/yr)	0	0	49,553	49,553
Installed Summer peak kW	Engineered Nozzle	Total Gross Demand Reduction (kW)	0.0	0.0	11.4	11.4
	Engineered Nozzle	Net Adjusted Demand Reduction (kW)	0.0	0.0	10.3	10.3
Installed Winter peak kW	Engineered Nozzle	Total Gross Demand Reduction (kW)	0.0	0.0	11.4	11.4
	Engineered Nozzle	Net Adjusted Demand Reduction (kW)	0.0	0.0	10.3	10.3
	Heat-of-compression Dryer	Total Participants	0	0	0	0
Installed kWh/year	Heat-of-compression Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Heat-of-compression Dryer	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Heat-of-compression Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Heat-of-compression Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Heat-of-compression Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Heat-of-compression Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

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VA - Non-Residential Small Manufacturing Program			2019	2020	2021	2019-2021
Measures						
	Add Storage	Total Participants	0	0	1	1
Installed kWh/year	Add Storage	Total Gross Energy Savings (kWh/yr)	0	0	6,549	6,549
	Add Storage	Net Adjusted Savings (kWh/yr)	0	0	5,894	5,894
Installed Summer peak kW	Add Storage	Total Gross Demand Reduction (kW)	0.0	0.0	1.4	1.4
	Add Storage	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.3	1.3
Installed Winter peak kW	Add Storage	Total Gross Demand Reduction (kW)	0.0	0.0	1.4	1.4
	Add Storage	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.3	1.3
	Compressed Air Nozzle	Total Participants	0	0	0	0
Installed kWh/year	Compressed Air Nozzle	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Compressed Air Nozzle	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Compressed Air Nozzle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Compressed Air Nozzle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Compressed Air Nozzle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Compressed Air Nozzle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cycling Air Dryer	Total Participants	0	0	0	0
Installed kWh/year	Cycling Air Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0	0
	Cycling Air Dryer	Net Adjusted Savings (kWh/yr)	0	0	0	0
Installed Summer peak kW	Cycling Air Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cycling Air Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
Installed Winter peak kW	Cycling Air Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cycling Air Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	Cycling Dryer	Total Participants	0	0	1	1
Installed kWh/year	Cycling Dryer	Total Gross Energy Savings (kWh/yr)	0	0	832	832
	Cycling Dryer	Net Adjusted Savings (kWh/yr)	0	0	749	749
Installed Summer peak kW	Cycling Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.2	0.2
	Cycling Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.2	0.2
Installed Winter peak kW	Cycling Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.2	0.2
	Cycling Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.2	0.2

K.25.4 2019–2021 Virginia Non-Residential Small Manufacturing Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CTSM	227	Schedule GS-2	101,013	47,998	210%	247,005	41%

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K.26 Virginia Non-Residential Window Film Program (DSM Phase VII) 2019–2021

K.26.1 2019–2021 Virginia Non-Residential Window Film (DSM Phase VII) Program Annual Indicator Tables

VA - Non-Residential Window Film Program Category	Measure	Indicator	2019 Total	2020 Total	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$6,494	$19,045	$15,262	$40,802
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$192,146	$356,882	$325,497	$874,526
Costs ($)		Planned	$317,588	$445,263	$435,863	$1,198,714
Costs ($)		Variance	-$125,441	-$88,381	-$110,366	-$324,188
		Annual % of Planned	61%	80%	75%	73%
Participants[1]		Total (Gross)	0	22	19	41
		Total Square Feet	0	62,925	21,212	84,137
		Planned Square Feet	68,400	125,871	125,913	320,184
		Variance Square Feet	-68,400	-62,946	-104,701	-236,047
		Annual % of Planned (Gross)	0%	50%	17%	26%
Square Feet		Total Square Feet	0	62,925	21,212	84,137
		North Facing	0	23,874	9,861	33,735
		East Facing	0	11,852	9,480	21,332
		West Facing	0	3,002	1,431	4,433
		South Facing	0	24,197	440	24,637
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	250,377	79,659	330,036
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	250,377	79,659	330,036
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-50,075	-15,932	-66,007
		Net Adjusted Savings (kWh/yr)	0	200,302	63,727	264,028
		Planned Net Savings (kWh/yr)	170,812	1,910,351	1,662,052	3,743,215
		Annual % Toward Planned Net Savings	0%	10.5%	3.83%	7.05%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	11,381	4,193	8,050
		Avg. Gross Savings Per Square Feet (kWh/yr)	N/A	4.0	3.8	3.9
		Avg. Net Savings Per Participant (kWh/yr)	N/A	9,105	3,354	6,440
		Avg. Net Savings Per Square Feet (kWh/yr)	N/A	3.2	3.0	3.1
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	78.1	0.0	78.1
		Realization Rate Weighted by Measure	N/A	100%	N/A	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	78.1	0.0	78.1
		Net-To-Gross Rate Weighted by Measure	N/A	80%	N/A	80%
		Net-To-Gross Adjustment (kW)	0.0	-15.6	0.0	-15.6
		Net Adjusted Demand Reduction (kW)	0.0	62.5	0.0	62.5
		Planned Net Savings (kW)	0.0	465.2	439.2	904.4
		Annual % Toward Planned Net Reduction	N/A	13.4%	0%	6.91%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	3.5	0.0	1.9
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.001	0.0	0.001
		Avg. Net Demand Reduction Per Participant (kW)	N/A	2.8	0.0	1.5
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.001	0.0	0.001
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	465.2	439.2	904.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.0	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$866	$803	$995
		Annual $Admin. per kWh/year (Gross)	N/A	$0.08	$0.19	$0.12
		Annual $Admin. per kW (Gross)	N/A	$244	N/A	$523
		Annual $EM&V per $Total	15.4%	16.8%	19.6%	17.6%

1. A participant is a unique account number

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DNV

K.26.2 2021 Virginia Non-Residential Window Film (DSM Phase VII) Program Monthly Indicator Tables

VA - Non-Residential Window Film Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,381	$1,694	$947	$859	$858	$2,877	$1,207	$986	$1,341	$1,198	$1,028	$885	**$15,262**	**$40,802**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$29,451	$36,131	$20,207	$18,316	$18,305	$61,365	$25,747	$21,021	$28,610	$25,543	$21,920	$18,884	**$325,497**	**$874,526**
Costs ($)		Planned	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	$36,322	**$435,863**	**$1,198,714**
Costs ($)		Variance	-$6,871	-$191	-$16,115	-$18,006	-$18,017	$25,043	-$10,575	-$15,301	-$7,712	-$10,779	-$14,402	-$17,438	**-$110,366**	**-$324,188**
		Annual % of Planned	7%	15%	20%	24%	28%	42%	48%	53%	59%	65%	70%	75%	**75%**	**73%**
Participants[1]		Total (Gross)	0	1	0	0	0	1	2	0	8	6	1	0	**19**	**41**
		Total Square Feet	0	16,291	0	0	0	291	274	0	2,504	1,674	178	0	**21,212**	**84,137**
		Planned Square Feet	10,501	10,492	10,492	10,492	10,492	10,492	10,492	10,492	10,492	10,492	10,492	10,492	**125,913**	**320,184**
		Variance Square Feet	-10,501	5,799	-10,492	-10,492	-10,492	-10,201	-10,218	-10,492	-7,988	-8,818	-10,314	-10,492	**-104,701**	**-236,047**
		Annual % of Planned (Gross)	0%	155%	0%	0%	0%	3%	3%	0%	24%	16%	2%	0%	**17%**	**26%**
Square Feet		Total Square Feet	0	16,291	0	0	0	291	274	0	2,504	1,674	178	0	**21,212**	**84,137**
		North Facing	0	8,145	0	0	0	0	177	0	1,361	0	178	0	**9,861**	**33,735**
		East Facing	0	8,146	0	0	0	0	0	0	539	795	0	0	**9,480**	**21,332**
		West Facing	0	0	0	0	0	0	97	0	530	804	0	0	**1,431**	**4,433**
		South Facing	0	0	0	0	0	291	0	0	74	75	0	0	**440**	**24,637**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	70,135	0	0	0	242	438	0	5,162	3,580	103	0	**79,659**	**330,036**
		Realization Rate Weighted by Measure	N/A	100%	N/A	N/A	N/A	100%	100%	N/A	100%	100%	100%	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	70,135	0	0	0	242	438	0	5,162	3,580	103	0	**79,659**	**330,036**
		Net-To-Gross Rate Weighted by Measure	N/A	80%	N/A	N/A	N/A	80%	80%	N/A	80%	80%	80%	N/A	**80%**	**80%**
		Net-To-Gross Adjustment (kWh/yr)	0	-14,027	0	0	0	-48	-88	0	-1,032	-716	-21	0	**-15,932**	**-66,007**
		Net Adjusted Savings (kWh/yr)	0	56,108	0	0	0	193	350	0	4,129	2,864	83	0	**63,727**	**264,028**
		Planned Net Savings (kWh/yr)	138,613	138,494	138,494	138,494	138,494	138,494	138,494	138,494	138,494	138,494	138,494	138,494	**1,662,052**	**3,743,215**
		Annual % Toward Planned Net Savings	0%	3.38%	3.38%	3.38%	3.38%	3.39%	3.41%	3.41%	3.66%	3.83%	3.83%	3.83%	**3.83%**	**7.05%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	70,135	N/A	N/A	N/A	242	219	N/A	645	597	103	N/A	**4,193**	**8,050**
		Avg. Gross Savings Per Square Feet (kWh/yr)	N/A	4.3	N/A	N/A	N/A	0.8	1.6	N/A	2.1	2.1	0.6	N/A	**3.8**	**3.9**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	56,108	N/A	N/A	N/A	193	175	N/A	516	477	83	N/A	**3,354**	**6,440**
		Avg. Net Savings Per Square Feet (kWh/yr)	N/A	3.4	N/A	N/A	N/A	0.7	1.3	N/A	1.6	1.7	0.5	N/A	**3.0**	**3.1**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**78.1**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**78.1**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**-15.6**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**62.5**
		Planned Net Savings (kW)	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	**439.2**	**904.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**6.91%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**1.9**
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.001**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**1.5**
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.001**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	**439.2**	**904.4**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.0**
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.0	N/A	N/A	N/A	0.0	0.0	N/A	0.0	0.0	0.0	N/A	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$3,075	$4,023	$4,881	$5,740	$4,309	$2,456	$2,702	$1,013	$742	$757	$803	**$803**	**$995**
		Annual $Admin. per kWh/year (Gross)	N/A	$0.04	$0.06	$0.07	$0.08	$0.12	$0.14	$0.15	$0.16	$0.17	$0.18	$0.19	**$0.19**	**$0.12**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$523**
		Annual $EM&V per $Total	34.5%	15.5%	13.9%	11.5%	9.8%	28.3%	27.4%	26.0%	23.9%	22.3%	20.7%	19.6%	**19.6%**	**17.6%**
		Annual $Rebate per Participant (Gross)	N/A	$16,291	$16,291	$16,291	$16,291	$8,240	$4,180	$4,180	$1,592	$1,152	$1,101	$1,101	**$1,101**	**$1,833**

1. A participant is a unique account number.

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K.26.3 2019–2021 Virginia Non-Residential Window Film (DSM Phase VII) Program Measure Indicator Tables

VA - Non-Residential Window Film Program			2019	2020	2021	2019-2021
Measures						
	East	Total Participants	0	9	7	16
Installed kWh/year	East	Total Gross Energy Savings (kWh/yr)	0	80,582	54,707	135,290
	East	Net Adjusted Savings (kWh/yr)	0	64,466	43,766	108,232
Installed Summer peak kW	East	Total Gross Demand Reduction (kW)	0.0	22.3	0.0	22.3
	East	Net Adjusted Demand Reduction (kW)	0.0	17.8	0.0	17.8
Installed Winter peak kW	East	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	East	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	North	Total Participants	0	7	7	14
Installed kWh/year	North	Total Gross Energy Savings (kWh/yr)	0	41,054	19,111	60,165
	North	Net Adjusted Savings (kWh/yr)	0	32,843	15,289	48,132
Installed Summer peak kW	North	Total Gross Demand Reduction (kW)	0.0	13.9	0.0	13.9
	North	Net Adjusted Demand Reduction (kW)	0.0	11.2	0.0	11.2
Installed Winter peak kW	North	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	North	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	South	Total Participants	0	9	3	12
Installed kWh/year	South	Total Gross Energy Savings (kWh/yr)	0	84,173	818	84,991
	South	Net Adjusted Savings (kWh/yr)	0	67,339	654	67,993
Installed Summer peak kW	South	Total Gross Demand Reduction (kW)	0.0	23.1	0.0	23.1
	South	Net Adjusted Demand Reduction (kW)	0.0	18.5	0.0	18.5
Installed Winter peak kW	South	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	South	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
	West	Total Participants	0	5	6	11
Installed kWh/year	West	Total Gross Energy Savings (kWh/yr)	0	44,568	5,023	49,591
	West	Net Adjusted Savings (kWh/yr)	0	35,654	4,018	39,672
Installed Summer peak kW	West	Total Gross Demand Reduction (kW)	0.0	18.7	0.0	18.7
	West	Net Adjusted Demand Reduction (kW)	0.0	15.0	0.0	15.0
Installed Winter peak kW	West	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
	West	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0

K.26.4 2019–2021 Virginia Non-Residential Window Film (DSM Phase VII) Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CSW2	Schedule GS-2	15,294	10	148608%	247,005	6%
CSW2	Schedule GS-1	160	10	1555%	16,481	1%
CSW2	Schedule GS-2T	351	10	3412%	453,711	0%

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K.27 Virginia Non-Residential Midstream Energy Efficiency Products Program 2020–2021

K.27.1 2020–2021 Virginia Non-Residential Midstream Energy Efficiency Products Program Annual Indicator Tables

VA - Non-Residential Midstream Energy Efficiency Products Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,969	$22,914	$24,883
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$46,145	$488,674	$534,819
Costs ($)		Planned	$0	$1,916,471	$1,916,471
Costs ($)		Variance	$46,145	-$1,427,798	-$1,381,653
		Annual % of Planned	N/A	25%	28%
Participants[1]		Total (Gross)	0	7	7
		Planned	0	300	300
		Variance	0	-293	-293
		Annual % of Planned (Gross)	N/A	2%	2%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	65,116	65,116
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	65,116	65,116
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	-6,512	-6,512
		Net Adjusted Savings (kWh/yr)	0	58,605	58,605
		Planned Net Savings (kWh/yr)	0	3,834,268	3,834,268
		Annual % Toward Planned Net Savings	N/A	1.53%	1.53%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	9,302	9,302
		Avg. Net Savings Per Participant (kWh/yr)	N/A	8,372	8,372
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	81.4	81.4
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	81.4	81.4
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	-8.1	-8.1
		Net Adjusted Demand Reduction (kW)	0.0	73.3	73.3
		Planned Net Savings (kW)	0.0	2,567.2	2,567.2
		Annual % Toward Planned Net Reduction	N/A	2.85%	2.85%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	11.6	11.6
		Avg. Net Demand Reduction Per Participant (kW)	N/A	10.5	10.5
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	11.2	11.2
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	11.2	11.2
		Net-To-Gross Rate Weighted by Measure	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	-1.1	-1.1
		Net Adjusted Demand Reduction (kW)	0.0	10.1	10.1
		Planned Net Savings (kW)	0.0	2,567.2	2,567.2
		Annual % Toward Planned Net Reduction	N/A	0.39%	0.39%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	1.6	1.6
		Avg. Net Demand Reduction Per Participant (kW)	N/A	1.4	1.4
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$3,273	$3,555
		Annual $Admin. per kWh/year (Gross)	N/A	$0.35	$0.38
		Annual $Admin. per kW (Gross)	N/A	$281	$306
		Annual $EM&V per $Total	90.5%	24.7%	30.4%

1. A participant is a unique account number.

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K.27.2 2021 Virginia Non-Residential Midstream Energy Efficiency Products Program Monthly Indicator Tables

VA - Non-Residential Midstream Energy Efficiency Products Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,027	$1,605	$2,206	$1,591	$1,591	$2,093	$2,143	$2,015	$2,051	$2,791	$1,191	$1,610	**$22,914**	**$24,883**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$43,224	$34,236	$47,039	$33,931	$33,931	$44,633	$45,696	$42,974	$43,740	$59,515	$25,409	$34,346	**$488,674**	**$534,819**
Costs ($)		Planned	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	$159,706	**$1,916,471**	**$1,916,471**
Costs ($)		Variance	-$116,482	-$125,470	-$112,667	-$125,775	-$125,775	-$115,073	-$114,010	-$116,731	-$115,966	-$100,191	-$134,297	-$125,360	**-$1,427,798**	**-$1,381,653**
		Annual % of Planned	2%	4%	6%	8%	10%	12%	15%	17%	19%	22%	24%	25%	**25%**	**28%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	3	0	4	**7**	**7**
		Planned	25	25	25	25	25	25	25	25	25	25	25	25	**300**	**300**
		Variance	-25	-25	-25	-25	-25	-25	-25	-25	-25	-22	-25	-21	**-293**	**-293**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	0%	16%	**2%**	**2%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	46,658	0	18,458	**65,116**	**65,116**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	N/A	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	46,658	0	18,458	**65,116**	**65,116**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	N/A	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	-4,666	0	-1,846	**-6,512**	**-6,512**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	41,992	0	16,613	**58,605**	**58,605**
		Planned Net Savings (kWh/yr)	319,522	319,522	319,522	319,522	319,522	319,522	319,522	319,522	319,522	319,522	319,522	319,522	**3,834,268**	**3,834,268**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	1.10%	1.10%	1.53%	**1.53%**	**1.53%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15,553	N/A	4,615	**9,302**	**9,302**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13,997	N/A	4,153	**8,372**	**8,372**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	0.0	4.4	**81.4**	**81.4**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	0.0	4.4	**81.4**	**81.4**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-7.7	0.0	-0.4	**-8.1**	**-8.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.3	0.0	3.9	**73.3**	**73.3**
		Planned Net Savings (kW)	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	**2,567.2**	**2,567.2**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	2.70%	2.70%	2.85%	**2.85%**	**2.85%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25.7	N/A	1.1	**11.6**	**11.6**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23.1	N/A	1.0	**10.5**	**10.5**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	4.4	**11.2**	**11.2**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	4.4	**11.2**	**11.2**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	90%	**90%**	**90%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	-0.4	**-1.1**	**-1.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	3.9	**10.1**	**10.1**
		Planned Net Savings (kW)	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	**2,567.2**	**2,567.2**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.24%	0.24%	0.39%	**0.39%**	**0.39%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.3	N/A	1.1	**1.6**	**1.6**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.0	N/A	1.0	**1.4**	**1.4**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$6,704	$7,101	$3,273	**$3,273**	**$3,555**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0.43	$0.46	$0.35	**$0.35**	**$0.38**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$261	$277	$281	**$281**	**$306**
		Annual $EM&V per $Total	20.8%	11.6%	17.0%	13.4%	11.0%	18.1%	21.2%	23.4%	24.5%	26.5%	25.0%	24.7%	**24.7%**	**30.4%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$3,056	$3,056	$1,380	**$1,380**	**$1,380**

1. A participant is a unique account number.

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K.27.3 2020–2021 Virginia Non-Residential Midstream Energy Efficiency Products Program Measure Indicator Tables

VA - Non-Residential Midstream Energy Efficiency Products Program			2020	2021	2020-2021
Measures					
	Unitary AC	Total Participants	0	0	0
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	0	0
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water-cooled Chiller	Total Participants	0	0	0
Installed kWh/year	Water-cooled Chiller	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water-cooled Chiller	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water-cooled Chiller	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water-cooled Chiller	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water-cooled Chiller	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water-cooled Chiller	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

VA - Non-Residential Midstream Energy Efficiency Products Program			2020	2021	2020-2021
Measures					
	Griddle	Total Participants	0	0	0
Installed kWh/year	Griddle	Total Gross Energy Savings (kWh/yr)	0	0	0
	Griddle	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Holding Cabinet	Total Participants	0	0	0
Installed kWh/year	Holding Cabinet	Total Gross Energy Savings (kWh/yr)	0	0	0
	Holding Cabinet	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Holding Cabinet	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Holding Cabinet	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Holding Cabinet	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Holding Cabinet	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	PTAC	Total Participants	0	0	0
Installed kWh/year	PTAC	Total Gross Energy Savings (kWh/yr)	0	0	0
	PTAC	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	PTAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	PTAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	PTAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	PTAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Steam Cooker	Total Participants	0	2	2
Installed kWh/year	Steam Cooker	Total Gross Energy Savings (kWh/yr)	0	29,741	29,741
	Steam Cooker	Net Adjusted Savings (kWh/yr)	0	26,767	26,767
Installed Summer peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	7.4	7.4
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	6.7	6.7
Installed Winter peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	7.4	7.4
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	6.7	6.7

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VA - Non-Residential Midstream Energy Efficiency Products Program			2020	2021	2020-2021
Measures					
	Commercial Freezer/Refrigerator	Total Participants	0	5	5
Installed kWh/year	Commercial Freezer/Refrigerator	Total Gross Energy Savings (kWh/yr)	0	5,099	5,099
	Commercial Freezer/Refrigerator	Net Adjusted Savings (kWh/yr)	0	4,589	4,589
Installed Summer peak kW	Commercial Freezer/Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.7	0.7
	Commercial Freezer/Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.6	0.6
Installed Winter peak kW	Commercial Freezer/Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.7	0.7
	Commercial Freezer/Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.6	0.6
	Convection Oven	Total Participants	0	1	1
Installed kWh/year	Convection Oven	Total Gross Energy Savings (kWh/yr)	0	1,027	1,027
	Convection Oven	Net Adjusted Savings (kWh/yr)	0	924	924
Installed Summer peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.4	0.4
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
Installed Winter peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.4	0.4
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
	Ductless Minisplit HP	Total Participants	0	0	0
Installed kWh/year	Ductless Minisplit HP	Total Gross Energy Savings (kWh/yr)	0	0	0
	Ductless Minisplit HP	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Ductless Minisplit HP	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Ductless Minisplit HP	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Ductless Minisplit HP	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Ductless Minisplit HP	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Electric Fryer	Total Participants	0	0	0
Installed kWh/year	Electric Fryer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Electric Fryer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Midstream Energy Efficiency Products Program			2020	2021	2020-2021
Measures					
	Air-cooled Chiller	Total Participants	0	1	1
Installed kWh/year	Air-cooled Chiller	Total Gross Energy Savings (kWh/yr)	0	21,139	21,139
	Air-cooled Chiller	Net Adjusted Savings (kWh/yr)	0	19,025	19,025
Installed Summer peak kW	Air-cooled Chiller	Total Gross Demand Reduction (kW)	0.0	70.2	70.2
	Air-cooled Chiller	Net Adjusted Demand Reduction (kW)	0.0	63.2	63.2
Installed Winter peak kW	Air-cooled Chiller	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air-cooled Chiller	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Air-source Heat Pump	Total Participants	0	0	0
Installed kWh/year	Air-source Heat Pump	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air-source Heat Pump	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air-source Heat Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air-source Heat Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air-source Heat Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air-source Heat Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Combination Oven	Total Participants	0	1	1
Installed kWh/year	Combination Oven	Total Gross Energy Savings (kWh/yr)	0	8,112	8,112
	Combination Oven	Net Adjusted Savings (kWh/yr)	0	7,300	7,300
Installed Summer peak kW	Combination Oven	Total Gross Demand Reduction (kW)	0.0	2.8	2.8
	Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	2.5	2.5
Installed Winter peak kW	Combination Oven	Total Gross Demand Reduction (kW)	0.0	2.8	2.8
	Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	2.5	2.5
	Commercial Freezer/ Refrigerator	Total Participants	0	0	0
Installed kWh/year	Commercial Freezer/ Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	0
	Commercial Freezer/ Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Commercial Freezer/ Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Commercial Freezer/ Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Commercial Freezer/ Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Commercial Freezer/ Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

K.27.4 2020–2021 Virginia Non-Residential Midstream Energy Efficiency Products Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
CEEP	Not Available	8,372	12,781	66%	Not Available	Not Available

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K.28 Virginia Non-Residential Multifamily Program 2020–2021

K.28.1 2020–2021 Virginia Non-Residential Multifamily Program Annual Indicator Tables

VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,213	$9,453	$10,666
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$28,431	$201,595	$230,026
Costs ($)		Planned	$0	$394,826	$394,826
Costs ($)		Variance	$28,431	-$193,231	-$164,801
		Annual % of Planned	N/A	51%	58%
Participants[1]		Total (Gross)	0	0	0
		Planned	0	1,100	1,100
		Variance	0	-1,100	-1,100
		Annual % of Planned (Gross)	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0
		Planned Net Savings (kWh/yr)	0	974,883	974,883
		Annual % Toward Planned Net Savings	N/A	0%	0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	344.5	344.5
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	344.5	344.5
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	94.0%	32.1%	39.7%

1. A participant is a work order.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

K.28.2 2021 Virginia Non-Residential Multifamily Program Monthly Indicator Tables

VA - Non-Residential Multifamily Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$762	$536	$656	$536	$550	$1,299	$873	$1,059	$872	$1,157	$564	$590	**$9,453**	**$10,666**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$16,248	$11,421	$14,000	$11,421	$11,726	$27,694	$18,615	$22,594	$18,591	$24,679	$12,029	$12,577	**$201,595**	**$230,026**
Costs ($)		Planned	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	$32,902	**$394,826**	**$394,826**
Costs ($)		Variance	-$16,655	-$21,481	-$18,902	-$21,481	-$21,176	-$5,208	-$14,287	-$10,309	-$14,312	-$8,223	-$20,873	-$20,325	**-$193,231**	**-$164,801**
		Annual % of Planned	4%	7%	11%	13%	16%	23%	28%	34%	39%	45%	48%	51%	**51%**	**58%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned	99	91	91	91	91	91	91	91	91	91	91	91	**1,100**	**1,100**
		Variance	-99	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	**-1,100**	**-1,100**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned Net Savings (kWh/yr)	87,739	80,649	80,649	80,649	80,649	80,649	80,649	80,649	80,649	80,649	80,649	80,649	**974,883**	**974,883**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	31.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	**344.5**	**344.5**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	31.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	**344.5**	**344.5**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	28.3%	16.6%	16.9%	13.3%	10.9%	27.2%	27.6%	30.8%	31.2%	35.0%	32.7%	32.1%	**32.1%**	**39.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**

1. A participant is a work order.

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K.28.3 2020–2021 Virginia Non-Residential Multifamily Program Measure Indicator Tables

VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Smart Thermostat Installation	Total Participants	0	0	0
Installed kWh/year	Smart Thermostat Installation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Installation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	T8 Lamps	Total Participants	0	0	0
Installed kWh/year	T8 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0
	T8 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	T8 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	T8 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	T8 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	T8 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Total Participants	0	0	0
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	0	0
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Total Participants	0	0	0
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	LED Lamps	Total Participants	0	0	0
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Total Participants	0	0	0
Installed kWh/year	Lighting Fixtures, Lamps, and Delamping	Total Gross Energy Savings (kWh/yr)	0	0	0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Lighting Fixtures, Lamps, and Delamping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Lighting Fixtures, Lamps, and Delamping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Total Participants	0	0	0
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	0	0
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Total Participants	0	0	0
Installed kWh/year	Pool Pump	Total Gross Energy Savings (kWh/yr)	0	0	0
	Pool Pump	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Pool Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Pool Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Heat Pump Upgrade	Total Participants	0	0	0
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Total Participants	0	0	0
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Total Participants	0	0	0
Installed kWh/year	LED Exit Signs	Total Gross Energy Savings (kWh/yr)	0	0	0
	LED Exit Signs	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	LED Exit Signs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	LED Exit Signs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Clothes Washer	Total Participants	0	0	0
Installed kWh/year	Clothes Washer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Clothes Washer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Drill & Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Drill & Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Drill & Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Drill & Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Total Participants	0	0	0
Installed kWh/year	Duct Test & Seal	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Test & Seal	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Test & Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Test & Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Room/Wall AC Units	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	AC Tune-Ups	Total Participants	0	0	0
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	0	0	0
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Total Participants	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Total Participants	0	0	0
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Total Participants	0	0	0
Installed kWh/year	Clothes Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Clothes Dryer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	LED Lamps	Total Participants	0	0	0
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Total Participants	0	0	0
Installed kWh/year	Lighting Fixtures, Lamps, and Delamping	Total Gross Energy Savings (kWh/yr)	0	0	0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Lighting Fixtures, Lamps, and Delamping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Lighting Fixtures, Lamps, and Delamping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting Fixtures, Lamps, and Delamping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Total Participants	0	0	0
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	0	0
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Total Participants	0	0	0
Installed kWh/year	Pool Pump	Total Gross Energy Savings (kWh/yr)	0	0	0
	Pool Pump	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Pool Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Pool Pump	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Pool Pump	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Heat Pump Upgrade	Total Participants	0	0	0
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Total Participants	0	0	0
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Total Participants	0	0	0
Installed kWh/year	LED Exit Signs	Total Gross Energy Savings (kWh/yr)	0	0	0
	LED Exit Signs	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	LED Exit Signs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	LED Exit Signs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exit Signs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	Clothes Washer	Total Participants	0	0	0
Installed kWh/year	Clothes Washer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Clothes Washer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Clothes Washer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Washer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Drill & Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Drill & Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Drill & Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Drill & Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill & Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Total Participants	0	0	0
Installed kWh/year	Duct Test & Seal	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Test & Seal	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Test & Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Test & Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Test & Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Total Participants	0	0	0
Installed kWh/year	ENERGY STAR Room/Wall AC Units	Total Gross Energy Savings (kWh/yr)	0	0	0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ENERGY STAR Room/Wall AC Units	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ENERGY STAR Room/Wall AC Units	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential Multifamily Program			2020	2021	2020-2021
Measures					
	AC Tune-Ups	Total Participants	0	0	0
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	0	0	0
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Total Participants	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Total Participants	0	0	0
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Total Participants	0	0	0
Installed kWh/year	Clothes Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0
	Clothes Dryer	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Clothes Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Clothes Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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K.29 Virginia Non-Residential New Construction Program 2020–2021

K.29.1 2020-2021 Virginia Non-Residential New Construction Program Annual Indicator Tables

VA - Non-Residential New Construction Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$1,179	$28,316	$29,495
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$27,624	$603,899	$631,523
Costs ($)		Planned	$0	$1,139,214	$1,139,214
Costs ($)		Variance	$27,624	-$535,315	-$507,692
		Annual % of Planned	N/A	53%	55%
Participants[1]		Total (Gross)	0	0	0
		Planned	0	18	18
		Variance	0	-18	-18
		Annual % of Planned (Gross)	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0
		Planned Net Savings (kWh/yr)	0	878,995	878,995
		Annual % Toward Planned Net Savings	N/A	0%	0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	265.3	265.3
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	265.3	265.3
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	85.1%	8.5%	11.8%

1. A participant is a work order.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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K.29.2 2021 Virginia Non-Residential New Construction Program Monthly Indicator Tables

VA - Non-Residential New Construction Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$2,908	$2,626	$2,902	$2,459	$2,452	$2,168	$2,121	$2,095	$2,269	$2,485	$1,870	$1,963	**$28,316**	**$29,495**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$62,025	$56,000	$61,899	$52,438	$52,285	$46,229	$45,231	$44,686	$48,381	$52,992	$39,871	$41,861	**$603,899**	**$631,523**
Costs ($)		Planned	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	$94,935	**$1,139,214**	**$1,139,214**
Costs ($)		Variance	-$32,909	-$38,934	-$33,036	-$42,497	-$42,649	-$48,706	-$49,704	-$50,249	-$46,553	-$41,942	-$55,063	-$53,073	**-$535,315**	**-$507,692**
		Annual % of Planned	5%	10%	16%	20%	25%	29%	33%	37%	41%	46%	49%	53%	**53%**	**55%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned	7	1	1	1	1	1	1	1	1	1	1	1	**18**	**18**
		Variance	-7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	**-18**	**-18**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned Net Savings (kWh/yr)	341,832	48,833	48,833	48,833	48,833	48,833	48,833	48,833	48,833	48,833	48,833	48,833	**878,995**	**878,995**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	103.2	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	**265.3**	**265.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	103.2	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	**265.3**	**265.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	10.4%	5.5%	6.9%	5.3%	4.3%	7.6%	7.4%	7.5%	7.8%	9.4%	8.7%	8.5%	**8.5%**	**11.8%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**

1. A participant is a work order.

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K.29.3 2020–2021 Virginia Non-Residential New Construction Program Measure Indicator Tables

VA - Non-Residential New Construction Program			2020	2021	2020-2021
Measures					
	Optimal Choice of Vertical Fenestration	Total Participants	0	0	0
Installed kWh/year	Optimal Choice of Vertical Fenestration	Total Gross Energy Savings (kWh/yr)	0	0	0
	Optimal Choice of Vertical Fenestration	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Optimal Choice of Vertical Fenestration	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Optimal Choice of Vertical Fenestration	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Optimal Choice of Vertical Fenestration	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Optimal Choice of Vertical Fenestration	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Supervisory Plug Load Management Systems	Total Participants	0	0	0
Installed kWh/year	Supervisory Plug Load Management Systems	Total Gross Energy Savings (kWh/yr)	0	0	0
	Supervisory Plug Load Management Systems	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Supervisory Plug Load Management Systems	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Supervisory Plug Load Management Systems	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Supervisory Plug Load Management Systems	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Supervisory Plug Load Management Systems	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	VAV Dual-Max Controls (electric heat)	Total Participants	0	0	0
Installed kWh/year	VAV Dual-Max Controls (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0
	VAV Dual-Max Controls (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	VAV Dual-Max Controls (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VAV Dual-Max Controls (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	VAV Dual-Max Controls (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VAV Dual-Max Controls (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	VAV Supply Air Temperature Reset (electric heat)	Total Participants	0	0	0
Installed kWh/year	VAV Supply Air Temperature Reset (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0
	VAV Supply Air Temperature Reset (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	VAV Supply Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VAV Supply Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	VAV Supply Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	VAV Supply Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential New Construction Program			2020	2021	2020-2021
Measures					
	High Efficiency DX Cooling Equipment	Total Participants	0	0	0
Installed kWh/year	High Efficiency DX Cooling Equipment	Total Gross Energy Savings (kWh/yr)	0	0	0
	High Efficiency DX Cooling Equipment	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	High Efficiency DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	High Efficiency DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Total Participants	0	0	0
Installed kWh/year	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Energy Savings (kWh/yr)	0	0	0
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	High Performance Interior Lighting	Total Participants	0	0	0
Installed kWh/year	High Performance Interior Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0
	High Performance Interior Lighting	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	High Performance Interior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Performance Interior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	High Performance Interior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Performance Interior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	LED Exterior Lighting	Total Participants	0	0	0
Installed kWh/year	LED Exterior Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0
	LED Exterior Lighting	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	LED Exterior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exterior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	LED Exterior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	LED Exterior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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VA - Non-Residential New Construction Program			2020	2021	2020-2021
Measures					
	Chiller Controls	Total Participants	0	0	0
Installed kWh/year	Chiller Controls	Total Gross Energy Savings (kWh/yr)	0	0	0
	Chiller Controls	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Chiller Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Chiller Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Chiller Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Chiller Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Demand Controlled Ventilation/CO2 Controls	Total Participants	0	0	0
Installed kWh/year	Demand Controlled Ventilation/CO2 Controls	Total Gross Energy Savings (kWh/yr)	0	0	0
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Demand Controlled Ventilation/CO2 Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Demand Controlled Ventilation/CO2 Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Chillers (Air-Cooled)	Total Participants	0	0	0
Installed kWh/year	High Efficiency and Variable Speed Chillers (Air-Cooled)	Total Gross Energy Savings (kWh/yr)	0	0	0
	High Efficiency and Variable Speed Chillers (Air-Cooled)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	High Efficiency and Variable Speed Chillers (Air-Cooled)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Chillers (Air-Cooled)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	High Efficiency and Variable Speed Chillers (Air-Cooled)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Chillers (Air-Cooled)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Participants	0	0	0
Installed kWh/year	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Energy Savings (kWh/yr)	0	0	0
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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K.30 Virginia Non-Residential Agriculture Program 2021

K.30.1 2021 Virginia Non-Residential Agriculture Program Monthly Indicator Tables

VA - Non-Residential Agricultural Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$819	**$974**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$17,459	**$20,770**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$17,459	**$20,770**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	74.6%	**74.6%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.31 Virginia Non-Residential Building Automation Program 2021

K.31.1 2021 Virginia Non-Residential Building Automation Program Monthly Indicator Tables

VA - Non-Residential Building Automation System Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$160	**$315**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$3,403	**$6,714**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$3,403	**$6,714**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	32.6%	**32.6%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.32 Virginia Non-Residential Customer Engagement Program 2021

K.32.1 2021 Virginia Non-Residential Customer Engagement Program Monthly Indicator Tables

VA - Non-Residential Engagement Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$225	**$380**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$4,798	**$8,109**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$4,798	**$8,109**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	43.4%	**43.4%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.33 Virginia Non-Residential Prescriptive Enhanced Program 2021

K.33.1 2021 Virginia Non-Residential Prescriptive Enhanced Program Monthly Indicator Tables

VA - Non-Residential Prescriptive Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$1,394	**$1,549**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$29,731	**$33,042**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$29,731	**$33,042**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	80.2%	**80.2%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.34 Virginia Non-Residential Building Optimization Program 2021

K.34.1 2021 Virginia Non-Residential Building Optimization Program Monthly Indicator Tables

VA - Non-Residential Building Optimization Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$155	$173	**$328**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$3,685	**$6,996**
Costs ($)		Planned	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Variance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,311	$3,685	**$6,996**
		Annual % of Planned	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Variance	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	35.2%	**35.2%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**

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K.35 Virginia Residential Smart Cooling Rewards Program 2010–2021

K.35.1 2010–2021 Virginia Residential Smart Cooling Rewards Program Annual Indicator Tables

VA - Residential AC Cycling Program		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2010-2021
Category	Indicator	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Program Total
O&M ($)	Direct Rebate													
O&M ($)	Direct Implementation													
O&M ($)	Direct EM&V													
O&M ($)	Indirect Other (Administrative)	$872,470	$763,964	$681,876	$668,850	$301,103	$196,693	$186,752	$238,408	$333,382	$244,347	$278,528	$228,463	$4,994,834
Capital ($)	Direct Implementation													
Costs ($)	Total	$3,700,433	$9,446,533	$11,124,610	$9,178,194	$9,576,619	$9,577,752	$6,700,360	$6,159,956	$6,034,693	$5,781,716	$5,287,678	$4,898,125	$87,466,670
Costs ($)	Planned	$4,817,708	$9,883,136	$17,373,951	$12,543,660	$11,497,670	$11,449,561	$9,764,999	$9,506,708	$8,648,373	$8,463,554	$8,070,360	$5,734,278	$117,753,958
Costs ($)	Variance	-$1,117,275	-$436,603	-$6,249,341	-$3,365,466	-$1,921,050	-$1,871,809	-$3,064,639	-$3,346,752	-$2,613,680	-$2,681,838	-$2,782,682	-$836,152	-$30,287,288
	Cum. % toward planned total	77%	96%	64%	73%	83%	84%	69%	65%	70%	68%	66%	85%	74%
Participants	Total (Cumulative @ End of Month)	10,900	36,545	66,890	91,280	115,083	140,022	147,723	149,219	151,798	154,787	155,586	156,210	156,210
	Removals (Uninstalled) / Deactivations	-90	-2,606	-5,516	-12,370	-23,145	-36,769	-49,635	-59,937	-71,171	-79,401	-87,123	-95,733	-95,733
	Opt-outs	98	309	18	16	18	93	353	30	27	26	23	6	522
	Adjusted Participants (Cum.)	10,712	33,630	61,356	78,894	91,920	103,160	98,088	89,282	80,627	75,386	68,463	60,477	59,955
0%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-436	-1,462	-2,454	-3,156	-3,677	0	0	0	0	0	0	0	0
	Net Participation (Cum.)	10,276	32,168	58,901	75,738	88,243	103,160	98,088	89,282	80,627	75,386	68,463	60,477	59,955
	Planned (Cum.)	9,244	33,996	73,598	96,706	115,702	103,915	103,253	97,037	90,267	80,765	80,765	66,977	66,977
	Variance (Cum.)	1,032	-1,828	-14,695	-20,968	-27,459	-755	-5,165	-7,755	-9,640	-5,379	-12,302	-6,500	-7,022
	Cum % toward planned total (Net basis)	111%	95%	80%	78%	76%	99%	95%	92%	89%	93%	85%	90%	90%
	Removal (Uninstalled) / Deactivation Rate	-0.22%	-0.82%	-0.48%	-0.81%	-1.02%	-1.15%	-1.05%	-0.92%	-1.11%	-1.47%	-1.73%	-1.12%	-1.02%
	Average % Opt-outs (rate)	0.91%	0.91%	0.03%	0.02%	0.02%	0.09%	0.36%	0.03%	0.03%	0.03%	0.03%	0.01%	0.21%
	Realization Rate	96%	111%	99%	78%	93%	100%	100%	100%	100%	100%	100%	100%	98%
	Connected Load kW	17,841	92,798	208,834	264,998	296,859	304,177	291,199	267,857	247,443	234,736	221,077	199,450	227,472
	Ex-Ante Estimated kW	0.94	0.96	1.09	0.95	0.78	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.79
	Connected Load Per Participant (kW)	1.74	2.88	3.55	3.50	3.36	2.95	2.97	3.00	3.07	3.11	3.23	3.30	3.05
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	11,990.0	40,199.5	73,579.0	100,408.0	80,558.1	99,415.6	143,291.3	101,468.9	95,236.4	96,895.3	98,623.2	83,320.7	83,320.7
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential	-99.0	-2,866.6	-6,067.6	-13,607.0	-16,201.5	-26,106.0	-48,146.0	-40,757.2	-44,651.9	-49,704.3	-55,225.7	-51,062.9	-51,062.9
	Less Opt-outs (kW)	108.2	339.7	20.3	17.4	12.9	66.0	342.5	20.6	17.2	16.0	14.8	3.2	278.4
	Dispatchable Summer Peak Shaving Potential - Total kW	11,782.8	36,993.2	67,491.1	86,783.6	64,343.7	73,243.7	94,802.8	60,691.1	50,567.3	47,174.9	43,382.7	32,254.5	31,979.4
0%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-471	-1,480	-2,700	-3,471	-2,574	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	-430	3,906	-389	-18,195	-4,633	0	0	0	0	0	0	0	0
	Net Summer Demand (Cum.)	10,880	39,420	64,403	65,117	57,137	73,244	94,803	60,691	50,567	47,175	43,383	32,255	31,979
	Planned Summer Demand (Cum.)	8,782	32,293	69,786	91,774	110,390	103,915	73,838	95,027	61,419	50,817	50,817	35,721	35,721
	Cum. % toward planned total (Net basis)	124%	122%	92%	71%	52%	69%	128%	64%	82%	93%	85%	90%	90%
	Dispatchable Summer Peak Shaving Potential kW per Participant	1.06	1.23	1.09	0.86	0.65	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.53
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants												0.00	
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW												0.00	
	Less Opt-outs (kW)												0.00	
	Dispatchable Winter Peak Shaving Potential - Total kW												0.00	
0%	Less Free Ridership Factor (Cum.)												0.00	
96%	In Service Rate Adjustment (Cum.)												0.00	
	Adjustment for Realization Rate												0.00	
	Net Winter Demand (Cum.)												0.00	
	Planned Winter Demand (Cum.)												0.00	
	Cum. % toward planned total (Net basis)												-	
	Dispatchable Winter Peak Shaving Potential kW per Participant												0.00	
Program Performance	Cum. $Admin. per Cum. Participant	$80	$45	$22	$33	$29	$25	$25	$26	$28	$29	$31	$32	$31
	Cum. $Admin. per Cum. Gross kW	$73	$41	$20	$30	$41	$40	$26	$39	$45	$46	$48	$60	$55
	Cum. $EM&V per Cum. $Total	1%	1%	1%	1%	1%	1%	2%	2%	2%	2%	2%	2%	2%
	Cum. $Rebate per Cum. Participant	$16	$37	$52	$70	$86	$99	$118	$141	$159	$176	$193	$206	$192

1. A participant is a unique account number.

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K.35.2 2021 Virginia Residential Smart Cooling Rewards Program Monthly Indicator Tables

VA - Residential AC Cycling Program		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2010-2021
Category	Indicator	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Program Total
O&M ($)	Direct Rebate																									
O&M ($)	Direct Implementation																									
O&M ($)	Direct EM&V																									
O&M ($)	Indirect Other (Administrative)	$872,470	$763,964	$681,876	$668,850	$301,103	$196,693	$186,752	$238,408	$333,382	$244,347	$278,528	$12,882	$9,156	$11,911	$9,122	$9,205	$46,694	$41,879	$42,500	$25,364	$8,319	-$850	$12,281	$228,463	$4,994,834
Capital ($)	Direct Implementation																									
Costs ($)	Total	$3,700,433	$9,446,533	$11,124,610	$9,178,194	$9,576,619	$9,577,752	$6,700,360	$6,159,956	$6,034,693	$5,781,716	$5,287,678	$276,754	$196,239	$261,417	$192,040	$199,319	$998,238	$894,866	$909,845	$543,636	$180,338	-$16,938	$262,370	$4,898,125	$87,466,670
Costs ($)	Planned	$4,817,708	$9,883,136	$17,373,951	$12,543,660	$11,497,670	$11,449,561	$9,764,999	$9,506,708	$8,648,373	$8,463,554	$8,070,360	$229,371	$229,371	$229,371	$229,371	$229,371	$974,827	$974,827	$974,827	$974,827	$229,371	$229,371	$229,371	$5,734,278	$117,753,958
Costs ($)	Variance	-$1,117,275	-$436,603	-$6,249,341	-$3,365,466	-$1,921,050	-$1,871,809	-$3,064,639	-$3,346,752	-$2,613,680	-$2,681,838	-$2,782,682	$47,383	-$33,132	$32,046	-$37,331	-$30,053	$23,411	-$79,961	-$64,983	-$431,191	-$49,033	-$246,309	$32,999	-$836,152	-$30,287,280
	Cum. % toward planned total	77%	96%	64%	73%	83%	84%	69%	65%	70%	68%	66%	5%	8%	13%	16%	20%	37%	53%	69%	78%	81%	81%	85%	85%	74%
Participants	Total (Cumulative @ End of Month)	10,900	36,545	66,890	91,280	115,083	140,022	147,723	149,219	151,798	154,787	155,586	155,626	155,730	155,764	155,855	155,920	155,960	156,014	156,078	156,138	156,178	156,202	156,210	156,210	156,210
	Removals (Uninstalled) / Deactivations	-90	-2,606	-5,516	-12,370	-23,145	-36,769	-49,635	-59,937	-71,171	-79,401	-87,123	-87,774	-88,284	-88,763	-89,474	-90,116	-90,800	-91,778	-92,733	-93,623	-94,413	-95,121	-95,733	-95,733	-95,733
	Opt-outs	98	309	18	16	18	93	353	30	27	26	23	7	7	7	7	7	7	6	6	6	6	6	6	6	522
	Adjusted Participants (Cum.)	10,712	33,630	61,356	78,894	91,920	103,160	98,088	89,282	80,627	75,386	68,463	67,852	67,446	67,001	66,381	65,804	65,160	64,236	63,345	62,515	61,765	61,081	60,477	60,477	59,955
0%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-436	-1,462	-2,454	-3,156	-3,677	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Participation (Cum.)	10,276	32,168	58,901	75,738	88,243	103,160	98,088	89,282	80,627	75,386	68,463	67,852	67,446	67,001	66,381	65,804	65,160	64,236	63,345	62,515	61,765	61,081	60,477	60,477	59,955
	Planned (Cum.)	9,244	33,996	73,598	96,706	115,702	103,915	103,253	97,037	90,267	80,765	80,765	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977	66,977
	Variance (Cum.)	1,032	-1,828	-14,695	-20,968	-27,459	-755	-5,165	-7,755	-9,640	-5,379	-12,302	875	469	24	-596	-1,173	-1,817	-2,741	-3,632	-4,462	-5,212	-5,896	-6,500	-6,500	-7,022
	Cum % toward planned total (Net basis)	111%	95%	80%	78%	76%	99%	95%	92%	89%	93%	85%	101%	101%	100%	99%	98%	97%	96%	95%	93%	92%	91%	90%	90%	90%
	Removal (Uninstalled) / Deactivation Rate	-0.22%	-0.82%	-0.48%	-0.81%	-1.02%	-1.15%	-1.05%	-0.92%	-1.11%	-1.47%	-1.73%	-0.96%	-0.76%	-0.71%	-1.07%	-0.98%	-1.05%	-1.52%	-1.51%	-1.42%	-1.28%	-1.16%	-1.01%	-1.12%	-1.02%
	Average % Opt-outs (rate)	0.91%	0.91%	0.03%	0.02%	0.02%	0.09%	0.36%	0.03%	0.03%	0.03%	0.03%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.21%
	Realization Rate	96%	111%	99%	78%	93%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%
	Connected Load kW	17,841	92,798	208,834	264,998	296,859	304,177	291,199	267,857	247,443	234,736	221,077	209,545	208,592	206,914	205,424	203,400	200,862	198,093	195,811	193,697	191,922	190,437	188,699	199,450	227,472
	Ex-Ante Estimated kW	0.94	0.96	1.09	0.95	0.78	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.79
	Connected Load Per Participant (kW)	1.74	2.88	3.55	3.50	3.36	2.95	2.97	3.00	3.07	3.11	3.23	3.09	3.09	3.09	3.09	3.09	3.08	3.08	3.09	3.10	3.11	3.12	3.12	3.30	3.85
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	11,990.0	40,199.5	73,579.0	100,408.0	80,558.1	99,415.6	143,291.3	101,468.9	95,236.4	96,895.3	98,623.2	83,009.2	83,064.7	83,082.8	83,131.3	83,166.0	83,187.3	83,216.2	83,250.3	83,282.3	83,303.6	83,316.4	83,320.7	83,320.7	83,320.7
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential	-99.0	-2,866.6	-6,067.6	-13,607.0	-16,201.5	-26,106.0	-48,146.0	-40,757.2	-44,651.9	-49,704.3	-55,225.7	-46,817.7	-47,089.7	-47,345.2	-47,724.4	-48,066.9	-48,431.7	-48,953.4	-49,462.8	-49,937.5	-50,358.9	-50,736.5	-51,062.9	-51,062.9	-51,062.9
	Less Opt-outs (kW)	108.2	339.7	20.3	17.4	12.9	66.0	342.5	20.6	17.2	16.0	14.8	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	278.4
	Dispatchable Summer Peak Shaving Potential - Total kW	11,782.8	36,993.2	67,491.1	86,783.6	64,343.7	73,243.7	94,802.8	60,691.1	50,567.3	47,174.9	43,382.7	36,187.9	35,971.4	35,734.0	35,403.4	35,095.6	34,752.2	34,259.3	33,784.1	33,341.5	32,941.5	32,576.7	32,254.5	32,254.5	31,979.4
0%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-471	-1,480	-2,700	-3,471	-2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	-430	3,906	-389	-18,195	-4,633	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Summer Demand (Cum.)	10,880	39,420	64,403	65,117	57,137	73,244	94,803	60,691	50,567	47,175	43,383	36,188	35,971	35,734	35,403	35,096	34,752	34,259	33,784	33,341	32,941	32,577	32,255	32,255	31,979
	Planned Summer Demand (Cum.)	8,782	32,293	69,786	91,774	110,390	103,915	73,838	95,027	61,419	50,817	50,817	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721	35,721
	Cum. % toward planned total (Net basis)	124%	122%	92%	71%	52%	69%	128%	64%	82%	93%	85%	101%	101%	100%	99%	98%	97%	96%	95%	93%	92%	91%	90%	90%	90%
	Dispatchable Summer Peak Shaving Potential kW per Participant	1.06	1.23	1.09	0.86	0.65	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Less Opt-outs (kW)												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Dispatchable Winter Peak Shaving Potential - Total kW												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0%	Less Free Ridership Factor (Cum.)												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
96%	In Service Rate Adjustment (Cum.)												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Adjustment for Realization Rate												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Net Winter Demand (Cum.)												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Planned Winter Demand (Cum.)												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Cum. % toward planned total (Net basis)																									
	Dispatchable Winter Peak Shaving Potential kW per Participant												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Program Performance	Cum. $Admin. per Cum. Participant	$80	$45	$22	$33	$29	$25	$25	$26	$28	$29	$31	$31	$31	$31	$31	$31	$31	$31	$32	$32	$32	$32	$32	$32	$31
	Cum. $Admin. per Cum. Gross kW	$73	$41	$20	$30	$41	$40	$26	$39	$45	$46	$48	$58	$58	$58	$58	$58	$58	$59	$59	$60	$60	$60	$60	$60	$55
	Cum. $EM&V per Cum. $Total	1%	1%	1%	1%	1%	1%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
	Cum. $Rebate per Cum. Participant	$16	$37	$52	$70	$86	$99	$118	$141	$159	$176	$193	$193	$193	$193	$192	$192	$197	$201	$205	$207	$207	$206	$206	$206	$192

1. A participant is a unique account number.

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K.36 Virginia Residential Electric Vehicle Rewards Program 2020–2021

K.36.1 2020-2021 Virginia Residential Electric Vehicle Rewards Program Annual Indicator Tables

VA - Residential Electric Vehicle Rewards Program Category	Measure	Indicator	2020 Total	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$599	$8,557	$9,156
Capital ($)		Direct Implementation			
Costs ($)		Total	$14,036	$182,492	$196,528
Costs ($)		Planned	$0	$299,301	$299,301
Costs ($)		Variance	$14,036	-$116,809	-$102,773
		Annual % of Planned	N/A	61%	66%
Participants[1]		Total (Gross)	0	0	0
		Planned	0	101	101
		Variance	0	-101	-101
		Annual % of Planned (Gross)	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0
		Planned Net Savings (kWh/yr)	0	0	0
		Annual % Toward Planned Net Savings	N/A	N/A	N/A
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	97.3	97.3
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	97.3	97.3
		Annual % Toward Planned Net Reduction	N/A	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A
Measures					
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	45.0%	13.5%	15.8%
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A

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K.37 Virginia Residential Thermostat Rewards Program 2020–2021

K.37.1 2020–2021 Virginia Residential Thermostat Rewards Program Annual Indicator Tables

VA - Residential Smart Thermostat Demand Response		2020	2021	2020-2021
Category	Indicator	Total	Total	
O&M ($)	Direct Rebate	[redacted]		
O&M ($)	Direct Implementation			
O&M ($)	Direct EM&V			
O&M ($)	Indirect Other (Administrative)	$4,128	$33,978	$38,106
Capital ($)	Direct Implementation	[redacted]		
Costs ($)	Total	$96,743	$724,644	$821,387
Costs ($)	Planned	$0	$1,892,494	$1,892,494
Costs ($)	Variance	$96,743	-$1,167,850	-$1,071,107
	Cum. % toward planned total	N/A	38%	43%
Participants	Total (Cumulative @ End of Month)	0	6,327	6,327
	Removals (Uninstalled) / Deactivations	0	984	984
	Opt-outs	0	0	0
	Behavioral Participants (For informational purposes only)	0	4,073	4,073
	Adjusted Participants (Cum.)	0	5,343	5,343
95%	Net to gross adjustment (Cum.)	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0
	Net Participation (Cum.)	0	5,343	5,343
	Planned (Cum.)	0	13,033	13,033
	Variance (Cum.)	0	-6,706	-6,706
	Cum % toward planned total (Net basis)	0	41%	41%
	Removal (Uninstalled) / Deactivation Rate	0	16%	16%
	Average % Opt-outs (rate)	0	0	0
	Ex-Ante Estimated kW	0	1.07	1.07
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	0	6738	6,738
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	0	1048	1,048
	Less Opt-outs (kW)	0	0	0
	Dispatchable Summer Peak Shaving Potential - Total kW	0	5690	5,690
95%	Less Free Ridership Factor (Cum.)	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0
	Adjustment for Realization Rate	0	0	0
	Net Demand (Cum.)	0	5,690	5,690
	Planned Summer Demand (Cum.)	0	19,686	19,686
	Cum. % toward planned total (Net basis)	0%	29%	29%
	Dispatchable Summer Peak Shaving Potential kW per Participant	0.00	1.07	1.07
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants	0	0	0
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW	0	0	0
	Less Opt-outs (kW)	0	0	0
	Dispatchable Winter Peak Shaving Potential - Total kW	0	0	0
0%	Less Free Ridership Factor (Cum.)	0	0	0
0%	In Service Rate Adjustment (Cum.)	0	0	0
	Adjustment for Realization Rate	0	0	0
	Net Winter Demand (Cum.)	0	0	0
	Planned Winter Demand (Cum.)	0	0	0
	Cum. % toward planned total (Net basis)	0%	0%	0%
	Dispatchable Winter Peak Shaving Potential kW per Participant	0.00	0.00	0.00
Program Performance	Cum. $Admin. per Cum. Participant	N/A	5.37	6.02
	Cum. $Admin. per Cum. Gross kW	N/A	5.04	5.66
	Cum. $EM&V per Cum. $Total	27%	11%	13.2%
	Cum. $Rebate per Cum. Participant	N/A	21.48	21.48

1. A participant is a unique account number.

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K.37.2 2021 Virginia Residential Thermostat Rewards Program Monthly Indicator Tables

VA - Residential Smart Thermostat Demand Response		2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Indicator	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
O&M ($)	Direct Rebate															
O&M ($)	Direct Implementation															
O&M ($)	Direct EM&V															
O&M ($)	Indirect Other (Administrative)	$4,128	$1,518	$1,402	$1,359	$1,257	$1,370	$2,424	$2,350	$1,694	$1,693	$1,774	$1,040	$16,098	$33,978	$38,106
Capital ($)	Direct Implementation															
Costs ($)	Total	$96,743	$32,368	$29,898	$28,977	$26,813	$29,225	$51,687	$50,109	$36,124	$36,112	$37,829	$22,175	$343,328	$724,644	$821,387
Costs ($)	Planned	$0	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$157,708	$1,892,494	$1,892,494
Costs ($)	Variance	$96,743	-$125,340	-$127,810	-$128,731	-$130,895	-$128,483	-$106,021	-$107,598	-$121,583	-$121,596	-$119,879	-$135,533	$185,620	-$1,167,850	-$1,071,107
	Cum. % toward planned total	N/A	2%	3%	5%	6%	8%	11%	13%	15%	17%	19%	20%	38%	38%	43%
Participants	Total (Cumulative @ End of Month)	0	0	0	408	1,660	2,167	3,319	4,432	4,898	5,137	5,349	5,662	6,327	6,327	6,327
	Removals (Uninstalled) / Deactivations	0	0	0	14	37	72	286	535	743	805	856	921	984	984	984
	Opt-outs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Behavioral Participants (For informational purposes only)	0	0	0	235	574	120	882	877	251	170	171	212	581	4,073	4,073
	Adjusted Participants (Cum.)	0	0	0	394	1,623	2,095	3,033	3,897	4,155	4,332	4,493	4,741	5,343	5,343	5,343
95%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Participation (Cum.)	0	0	0	394	1,623	2,095	3,033	3,897	4,155	4,332	4,493	4,741	5,343	5,343	5,343
	Planned (Cum.)	0	1,087	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	1,086	13,033	13,033
	Variance (Cum.)	0	-1,087	-1,086	-692	537	1,009	1,947	2,811	3,069	3,246	3,407	3,655	4,257	-6,706	-6,706
	Cum % toward planned total (Net basis)	0	0%	0%	36%	149%	193%	279%	359%	383%	399%	414%	437%	492%	41%	41%
	Removal (Uninstalled) / Deactivation Rate	0	N/A	N/A	3%	2%	3%	9%	12%	15%	16%	16%	16%	16%	16%	16%
	Average % Opt-outs (rate)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ex-Ante Estimated kW	0	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	0	0	0	435	1768	2308	3535	4720	5216	5471	5697	6030	6738	6738	6,738
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	0	0	0	15	39	77	305	570	791	857	912	981	1048	1048	1,048
	Less Opt-outs (kW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dispatchable Summer Peak Shaving Potential - Total kW	0	0	0	420	1728	2231	3230	4150	4425	4614	4785	5049	5690	5690	5,690
95%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Demand (Cum.)	0	0	0	420	1,728	2,231	3,230	4,150	4,425	4,614	4,785	5,049	5,690	5,690	5,690
	Planned Summer Demand (Cum.)	0	1,642	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	19,686	19,686
	Cum. % toward planned total (Net basis)	0%	0%	0%	26%	105%	136%	197%	253%	270%	281%	292%	308%	347%	29%	29%
	Dispatchable Summer Peak Shaving Potential kW per Participant	0.00	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Less Opt-outs (kW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dispatchable Winter Peak Shaving Potential - Total kW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Winter Demand (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Planned Winter Demand (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cum. % toward planned total (Net basis)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Dispatchable Winter Peak Shaving Potential kW per Participant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Program Performance	Cum. $Admin. per Cum. Participant	N/A	N/A	N/A	3.33	0.76	0.63	0.73	0.53	0.35	0.33	0.33	0.18	2.54	5.37	6.02
	Cum. $Admin. per Cum. Gross kW	N/A	N/A	N/A	3.13	0.71	0.59	0.69	0.50	0.32	0.31	0.31	0.17	2.39	5.04	5.66
	Cum. $EM&V per Cum. $Total	27%	11%	0%	2%	0%	0%	40%	29%	34%	24%	41%	0%	2%	11%	13.2%
	Cum. $Rebate per Cum. Participant	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	21.48	21.48	21.48

1. A participant is a unique account number

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K.38 Virginia Non-Residential Distributed Generation Program 2012–2021

K.38.1 2012–2021 Virginia Non-Residential Distributed Generation Program Annual Indicator Tables

VA - Non-Residential Distributed Generation Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2012 - 2021 Program Total
O&M ($)	Direct Rebate											
O&M ($)	Direct Implementation											
O&M ($)	Direct EM&V											
O&M ($)	Indirect Other (Administrative)	$45,196	$70,742	$55,136	$14,914	$17,395	$20,476	$31,507	$26,331	$30,369	$28,515	$340,581
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)	Total	$474,517	$704,695	$1,107,382	$538,023	$572,348	$561,690	$557,961	$589,631	$570,747	$608,132	$6,285,124
Costs ($)	Planned	$2,261,356	$2,464,188	$2,011,074	$947,030	$851,134	$730,107	$874,549	$909,830	$1,014,629	$1,015,757	$13,079,655
Costs ($)	Variance	-$1,786,840	-$1,759,493	-$903,692	-$409,007	-$278,787	-$168,417	-$316,588	-$320,199	-$443,882	-$407,626	-$6,794,531
	Cum. % toward planned total	21%	29%	55%	57%	67%	77%	64%	65%	56%	60%	48%
Participants[1]	Total (Cumulative @ End of Month)	19.0	19.4	18.6	5.9	6.5	6.1	6.1	6.1	6.1	6.0	6.0
	Planned (Cum.)	23.0	28.0	35.0	13.0	7.0	7.4	8.1	7.6	9.0	7.1	7.1
	Variance (Cum.)	-4.0	-8.6	-16.4	-7.1	-0.5	-1.3	-2.0	-1.5	-2.9	-1.2	-1.2
	Cum % Toward Planned Total (Net basis)	83%	69%	53%	45%	93%	82%	75%	81%	68%	84%	84%
Summer kW Potential	Total (Cumulative @ End of Month)	19,040	19,410	18,580	5,875	5,740	5,548	6,130	6,130	6,130	5,970	5,970
	Realization Rate	70%	77%	78%	93%	106%	108%	97%	113%	106%	111%	111%
	Adjustment for Realization Rate	-2,989	-3,300	-4,088	-411	344	444	-184	797	368	657	657
	Net Summer kW (Cum.)	16,051	16,110	14,492	5,457	4,348	5,992	5,946	6,927	6,498	6,627	6,627
	Planned (Cum.)	23,000	28,000	35,000	13,000	7,000	7,394	8,149	7,592	9,025	7,130	7,130
	Cum % Toward Planned Total (Net basis)	70%	58%	41%	42%	62%	86%	73%	91%	72%	93%	93%
	Avg. per Net Participant (Net Summer kW)	843	830	780	929	669	982	970	1,130	1,060	1,110	930
Winter kW Potential	Total (Cumulative @ End of Month)										5,970	5,970
	Realization Rate										111%	111%
	Adjustment for Realization Rate										657	657
	Net Winter kW (Cum.)										6,627	6,627
	Planned (Cum.)										7,130	7,130
	Cum % Toward Planned Total (Net basis)										93%	93%
	Avg. per Net Participant (Net Winter kW)										1,110	930
Program Performance	Annual Cum. $Admin. per Cum. Participant	$2,374	$5,973	$9,207	$9,294	$9,589	$3,357	$5,140	$4,295	$4,954	$4,776	$4,776
	Annual Cum. $Admin. per Cum. Gross kW	$2	$6	$9	$9	$10	$3	$5	$4	$5	$5	$5
	Cum. $EM&V per Cum. $Total	3.3%	7.5%	8.8%	9.5%	11.6%	12.5%	13.3%	13.4%	13.2%	13.4%	13.4%
	Cum. $Rebate per Cum. Participant	$21,366	$47,494	$99,549	$376,393	$418,435	$513,179	$577,089	$651,772	$728,973	$828,578	$828,578

A participant is equal to one megawatt (MW) available to Dominion for dispatch through the Commercial Distributed Generation program

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K.38.2 2021 Virginia Non-Residential Distributed Generation Program Monthly Indicator Tables

VA - Non-Residential Distributed Generation Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Jan	2021 Feb	2021 Mar	2021 Apr	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2021 Total	2012 - 2021 Program Total
O&M ($)	Direct Rebate																							
O&M ($)	Direct Implementation																							
O&M ($)	Direct EM&V																							
O&M ($)	Indirect Other (Administrative)	$45,196	$70,742	$55,136	$14,914	$17,395	$20,476	$31,507	$26,331	$30,369	$2,258	$1,769	$2,677	$1,725	$1,731	$3,718	$2,855	$3,443	$2,442	$2,044	$1,759	$2,095	$28,515	$340,581
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0													$0	$0
Costs ($)	Total	$474,517	$704,695	$1,107,382	$538,023	$572,348	$561,690	$557,961	$589,631	$570,747	48,165.79	37,718.03	57,087.50	36,783.41	36,912.53	79,299.08	60,880.75	73,418.72	52,072.84	43,601.81	37,505.28	44,685.84	$608,132	$6,285,124
Costs ($)	Planned	$2,261,356	$2,464,188	$2,011,074	$947,030	$851,134	$730,107	$874,549	$909,830	$1,014,629	132,048.47	50,787.87	10,157.57	50,787.87	152,363.62	111,733.32	101,575.74	71,103.02	121,890.89	50,787.87	71,103.02	91,418.17	$1,815,757	$13,079,655
Costs ($)	Variance	-$1,786,840	-$1,759,493	-$903,692	-$409,007	-$278,787	-$168,417	-$316,588	-$320,199	-$443,882	(83,882.67)	(13,069.85)	46,929.92	(14,004.46)	(115,451.09)	(32,434.24)	(40,695.00)	2,315.70	(69,818.05)	(7,186.06)	(33,597.74)	(46,732.33)	-$407,626	-$6,794,531
	Cum. % toward planned total	21%	29%	55%	57%	67%	77%	64%	65%	56%	5%	8%	14%	18%	21%	29%	35%	42%	47%	52%	55%	60%	60%	48%
Participants[1]	Total (Cumulative @ End of Month)	19.0	19.4	18.6	5.9	6.5	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	Planned (Cum.)	23.0	28.0	35.0	13.0	7.0	7.4	8.1	7.6	9.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	Variance (Cum.)	-4.0	-8.6	-16.4	-7.1	-0.5	-1.3	-2.0	-1.5	-2.9	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
	Cum % Toward Planned Total (Net basis)	83%	69%	53%	45%	93%	82%	75%	81%	68%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%
Summer kW Potential	Total (Cumulative @ End of Month)	19,040	19,410	18,580	5,875	5,740	5,548	6,130	6,130	6,130	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970
	Realization Rate	70%	77%	78%	93%	106%	108%	97%	113%	106%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%
	Adjustment for Realization Rate	-2,989	-3,300	-4,088	-411	344	444	-184	797	368	657	657	657	657	657	657	657	657	657	657	657	657	657	657
	Net Summer kW (Cum.)	16,051	16,110	14,492	5,457	4,348	5,992	5,946	6,927	6,498	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627
	Planned (Cum.)	23,000	28,000	35,000	13,000	7,000	7,394	8,149	7,592	9,025	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130
	Cum % Toward Planned Total (Net basis)	70%	58%	41%	42%	62%	86%	73%	91%	72%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
	Avg. per Net Participant (Net Summer kW)	843	830	780	929	669	982	970	1,130	1,060	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	930
Winter kW Potential	Total (Cumulative @ End of Month)										5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970	5,970
	Realization Rate										111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%	111%
	Adjustment for Realization Rate										657	657	657	657	657	657	657	657	657	657	657	657	657	657
	Net Winter kW (Cum.)										6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627	6,627
	Planned (Cum.)										7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130	7,130
	Cum % Toward Planned Total (Net basis)										93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
	Avg. per Net Participant (Net Winter kW)										1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	930
Program Performance	Annual Cum. $Admin. per Cum. Participant	$2,374	$5,973	$9,207	$9,294	$9,589	$3,357	$5,140	$4,295	$4,954	$378	$675	$1,123	$1,412	$1,702	$2,325	$2,803	$3,379	$3,788	$4,131	$4,425	$4,776	$4,776	$4,776
	Annual Cum. $Admin. per Cum. Gross kW	$2	$6	$9	$9	$10	$3	$5	$4	$5	$0	$1	$1	$1	$2	$2	$3	$3	$4	$4	$4	$5	$5	$5
	Cum. $EM&V per Cum. $Total	3.3%	7.5%	8.8%	9.5%	11.6%	12.5%	13.3%	13.4%	13.2%	13.6%	13.5%	13.5%	13.4%	13.3%	13.8%	13.7%	13.6%	13.5%	13.5%	13.4%	13.4%	13.4%	13.4%
	Cum. $Rebate per Cum. Participant	$21,366	$47,494	$99,549	$376,393	$418,435	$513,179	$577,089	$651,772	$728,973	$751,204	$757,042	$764,870	$770,708	$776,547	$782,511	$791,357	$802,248	$810,007	$815,846	$821,684	$828,578	$828,578	$828,578

1. A participant is equal to one megawatt (MW) available to Dominion for dispatch through the Commercial Distributed Generation program.

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K.39 Virginia Residential Lighting Program 2010–2012

VA- Residential Lighting Program Category	Indicator	2010 Total	2011 Total	2012 Total	2010-2012 Program Total
O&M ($)	Direct Rebate				
O&M ($)	Direct Implementation				
O&M ($)	Direct EM&V				
O&M ($)	Indirect Other (Administrative)	$857,229	$297,373	$3,259	$1,157,861
Costs ($)	Total	$3,572,757	$3,608,825	$41,017	$7,222,598
Costs ($)	Planned	$5,343,451	$4,151,099	$64,063	$9,558,613
Costs ($)	Variance	-$1,770,694	-$542,275	-$23,046	-$2,336,015
	Cum. % toward planned total	66.9%	86.9%	64.0%	75.6%
Participants	Total bulbs (Gross)	2,016,479	2,206,030	0	4,222,509
	Planned (Gross)	2,013,600	2,001,784	0	4,015,384
	Variance	2,879	204,246	0	207,125
	Cum % toward planned total (Gross)	100.1%	110.2%	0.0%	105.2%
kWh	Total Gross Deemed Savings	101,640,578	116,730,747	0	218,371,325
84%	Realization Rate Adjustment	-16,262,492	-18,676,920	0	-34,939,412
	Adjusted Gross Savings	85,378,086	98,053,827	0	183,431,913
65%	Net-To-Gross Adjustment	-29,882,330	-34,318,840	0	-64,201,170
	Net Adjusted Savings	55,495,756	63,734,988	0	119,230,743
	Planned Savings (Net)	53,544,280	53,229,979	0	106,774,259
	Cum. % Toward Planned Savings (Net)	103.6%	119.7%	0.0%	111.7%
	Avg. Savings Per Participant (Net)	28	29	0	28
kW	Total Gross Deemed Demand	11,056	12,700	0	23,756
84%	Realization Rate Adjustment	-1,769	-2,032	0	-3,801
	Adjusted Gross Demand	9,287	10,668	0	19,955
65%	Net-To-Gross Adjustment	-3,250	-3,734	0	-6,984
	Net Adjusted Demand	6,037	6,934	0	12,971
	Planned Demand (Net)	4,685	4,657	0	9,342
	Cum. % Toward Planned Demand (Net)	128.8%	148.9%	0.0%	138.8%
	Avg. Demand Per Participant (Net)	0.003	0.003	0.000	0.003
Program Performance	Cum. $Admin. per Cum. Bulb (Gross)	$0.4	$0.1		$0.3
	Cum. $Admin. per Cum. kWh (Gross)	$0.008	$0.00		$0.005
	Cum. $Admin. per Cum. kW (Gross)	$78	$23		$49
	Cum. $EM&V per Cum Total Costs ($)	0.7%	3.5%	89.1%	2.6%
	Cum. $Rebate per Cum. Bulb (Gross)	$0.78	$1.00		$0.90

1. Program closed end of 2012.

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K.40 Virginia Residential Low-income Program 2010–2014

VA- Residential Low-income Program Category	Indicator	2010* Total	2011* Total	2012 Total	2013 Total	2014 Total	2010-2014 Program Total
O&M ($)	Direct Rebate						
O&M ($)	Direct Implementation						
O&M ($)	Direct EM&V						
O&M ($)	Indirect Other (Administrative)	$825,883	$386,039	$388,331	$273,011	$126,173	$1,999,436
Capital ($)		$0	$0	$0	$0	$0	$0
Costs ($)	Total	$2,698,543	$4,799,288	$3,363,405	$2,600,289	$2,432,463	$15,893,988
Costs ($)	Planned	$3,409,892	$6,679,625	$10,513,733	$3,566,022	$2,975,592	$27,144,863
Costs ($)	Variance	-$711,349	-$1,880,337	-$7,150,328	-$965,733	-$543,128	-$11,250,875
	Cum. % toward planned total	79.1%	71.8%	32.0%	72.9%	81.7%	58.6%
Participants	Total (Gross)	1,431	3,913	2,380	1,883	1,880	11,487
	Planned (Gross)	1,414	3,789	6,062	2,467	1,872	15,604
	Variance	17	124	-3,682	-584	8	-4,117
	Cum % toward planned total (Gross)	101.2%	103.3%	39.3%	76.3%	100.4%	73.6%
Installed kWh/year	Total Gross Deemed Savings	1,743,349	4,490,516	2,596,580	1,668,643	1,740,993	12,240,081
62%	Realization Rate Adjustment	-923,975	-2,379,974	-1,376,187	-417,161	-661,577	-5,758,874
	Adjusted Gross Savings	819,374	2,110,543	1,220,392	1,251,482	1,079,416	6,481,207
93.6%	Net-To-Gross Adjustment	-52,440	-135,075	-78,105	-80,095	-69,083	-414,797
	Net Adjusted Savings	766,934	1,975,468	1,142,287	1,171,388	1,010,333	6,066,410
	Planned Savings (Net)	554,704	554,704	554,704	554,704	1,560,401	3,779,217
	Cum. % Toward Planned Savings (Net)	138.3%	356.1%	205.9%	211.2%	64.7%	160.5%
	Avg. Savings Per Participant (Net)	536	505	480	622	537	528
Installed kW	Total Gross Deemed Demand	691	1,443	508	346	336	3,323
62%	Realization Rate Adjustment	-366.4	-764.7	-269.3	-86.4	-127.6	-1,614
	Adjusted Gross Demand	325	678	239	259	208	1,709
93.6%	Net-To-Gross Adjustment	-21	-43	-15	-17	-13	-109
	Net Adjusted Demand	304	635	223	243	195	1,600
	Planned (Net)	102	274	436	396	246	1,454
	Cum. % toward planned total (Net)	298.1%	231.6%	51.3%	61.3%	79.3%	110.1%
	Avg. per Participant (Net)	0.0	0.2	0.1	0.1	0.1	0.1
Program Performance	Cum. $Admin. per Cum. Participant (Gross)	$577	$99	$163	$145	$67	$174
	Cum. $Admin. per Cum. kWh (Gross)	$0.5	$0.1	$0.1	$0.2	$0.1	$0.2
	Cum. $Admin. per Cum. kW (Gross)	$1,195	$268	$764	$790	$376	$602
	Cum. $EM&V per Cum Total Costs ($)	1.0%	3.2%	3.2%	4.0%	3.4%	3.0%
	Cum. $Rebate per Cum. Participant (Gross)	$1,086	$1,019	$1,065	$1,016	$951	$1,025.22

1. Program closed end of 2014.

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K.41 Virginia Residential Heat Pump Tune-Up Program 2012–2017

VA - Residential Heat Pump Tune Up Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2012 - 2017 Program Total
O&M($)	Direct Rebate							
O&M($)	Direct Implementation							
O&M($)	Direct EM&V							
O&M($)	Indirect Other (Administrative)	$179,541	$339,952	$229,172	$124,325	$103,917	$26,250	$1,003,156
Costs ($)	Total	$1,570,652	$3,220,440	$4,388,028	$3,953,516	$3,419,197	$667,118	$17,218,951
Costs ($)	Planned	$2,601,223	$4,655,778	$6,022,741	$6,579,027	$6,868,318	$847,759	$27,574,846
Costs ($)	Variance	-$1,030,571	-$1,435,338	-$1,634,713	-$2,625,511	-$3,449,121	-$180,641	-$10,355,894
	Annual % of Planned	60%	69%	73%	60%	50%	79%	62%
Participants[1]	Total (Gross)	1,209	15,636	24,687	24,114	19,008	2,472	87,126
	Planned (Gross)	10,203	27,830	42,293	42,293	22,958	0	145,577
	Variance	-8,994	-12,194	-17,606	-18,179	-3,950	2,472	-58,451
	Annual % of Planned (Gross)	12%	56%	58%	57%	83%		60%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	364,856	4,605,801	6,269,989	5,067,124	4,035,338	500,799	20,843,906
99%	Realization Rate Adjustment (kWh/yr)	-2,919	-36,846	-50,160	-40,537	-32,283	-4,006	-166,751
	Realization Rate Adjusted Savings (kWh/yr)	361,937	4,568,954	6,219,829	5,026,587	4,003,055	496,793	20,677,155
90%	Net-To-Gross Adjustment (kWh/yr)	-36,194	-456,895	-621,983	-502,659	-400,306	-49,679	-2,067,715
	Net Adjusted Savings (kWh/yr)	325,743	4,112,059	5,597,846	4,523,928	3,602,750	447,114	18,609,439
	Planned Net Savings (kWh/yr)	7,024,000	19,102,880	32,227,266	32,227,266	2,595,483	0	93,176,895
	Annual % Toward Planned Net Savings (kWh)	5%	22%	17%	14%	139%		20%
	Avg. Gross Savings Per Participant (kWh/yr)	302	295	254	210	212	203	239
	Avg. Net Savings Per Participant (kWh/yr)	269	263	227	188	190	181	214
Installed kW	Total Gross Demand Reduction (kW)	250	3,160	3,198	5,435	3,003	391	15,437
99%	Realization Rate Adjustment (kW)	-2	-25	-26	-43	-24	-3	-123
	Realization Rate Adjusted Gross Demand Reduction(kW)	248	3,135	3,173	5,392	2,979	387	15,313
90%	Net-To-Gross Adjustment (kW)	-25	-314	-317	-539	-298	-39	-1,531
	Net Adjusted Demand Reduction (kW)	223	2,822	2,855	4,852	2,681	349	13,782
	Planned Net Demand Reduction (kW)	2,053	5,585	9,727	9,727	869	0	27,962
	Annual % Toward Planned Net Reduction (kW)	11%	51%	29%	50%	309%		49%
	Avg. Gross Demand Reduction Per Participant (kW)	0.21	0.20	0.13	0.23	0.16	0.16	0.18
	Avg. Net Demand Reduction Per Participant (kW)	0.18	0.18	0.12	0.20	0.14	0.14	0.16
Program Performance	Annual $Admin. per Participant (Gross)	$149	$22	$9	$5	$5	$11	$12
	Annual $Admin. per kWh/year (Gross)	$0.49	$0.07	$0.04	$0.02	$0.03	$0.05	$0.05
	Annual $Admin. per kW (Gross)	$719	$108	$72	$23	$35	$67	$65
	Annual $EM&V per $Total	1%	3%	2%	2%	3%	10%	3%
	Annual $Rebate per Participant (Gross)	$90	$90	$90	$90	$91	$90	$90

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated

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K.42 Virginia Residential Heat Pump Upgrade Program 2012–2017

VA - Residential Heat Pump Upgrade Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2012 - 2017 Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$126,049	$202,451	$101,388	$76,038	$78,750	$29,454	$614,131
Costs ($)	Total	$1,146,122	$2,046,264	$1,894,946	$2,465,610	$2,591,140	$748,544	$10,892,625
Costs ($)	Planned	$2,219,762	$4,060,927	$5,335,095	$5,744,102	$6,313,961	$526,099	$24,199,946
Costs ($)	Variance	-$1,073,640	-$2,014,663	-$3,440,149	-$3,278,493	-$3,722,821	$222,445	-$13,307,321
	Annual % of Planned	52%	50%	36%	43%	41%	142%	45%
Participants[1]	Total (Gross)	86	3,295	3,649	4,210	5,395	1,149	17,784
	Planned (Gross)	4,396	11,992	18,221	18,221	3,748	0	56,578
	Variance	-4,310	-8,697	-14,572	-14,011	1,647	1,149	-38,794
	Annual % of Planned (Gross)	2%	27%	20%	23%	144%		31%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	199,447	6,665,695	5,667,002	2,405,953	3,072,240	553,935	18,564,272
78%	Realization Rate Adjustment (kWh/yr)	13,363	446,602	379,689	-538,933	-688,182	-124,081	-511,543
	Realization Rate Adjusted Savings (kWh/yr)	212,810	7,112,296	6,046,691	1,867,020	2,384,058	429,854	18,052,729
45%	Net-To-Gross Adjustment (kWh/yr)	-31,922	-1,066,844	-907,004	-1,024,994	-1,308,848	-235,990	-4,575,601
	Net Adjusted Savings (kWh/yr)	180,889	6,045,452	5,139,687	842,026	1,075,210	193,864	13,477,128
	Planned Net Savings (kWh/yr)	3,207,000	8,724,528	15,761,165	15,761,165	742,316	0	44,196,174
	Annual % Toward Planned Net Savings (kWh)	6%	69%	33%	5%	145%		30%
	Avg. Gross Savings Per Participant (kWh/yr)	2,319	2,023	1,553	571	569	482	1,044
	Avg. Net Savings Per Participant (kWh/yr)	2,103	1,835	1,409	200	199	169	758
Installed kW	Total Gross Demand Reduction (kW)	59	2,394	2,169	472	624	130	5,848
89%	Realization Rate Adjustment (kW)	-10	-405	-367	-53	-70	-15	-918
	Realization Rate Adjusted Gross Demand Reduction(kW)	49	1,989	1,802	419	554	115	4,930
45%	Net-To-Gross Adjustment (kW)	-7	-298	-270	-230	-304	-63	-1,174
	Net Adjusted Demand Reduction (kW)	42	1,691	1,532	189	250	52	3,756
	Planned Net Demand Reduction (kW)	1,068	2,904	5,284	5,284	267	0	14,807
	Annual % Toward Planned Net Reduction (kW)	4%	58%	29%	4%	94%		25%
	Avg. Gross Demand Reduction Per Participant (kW)	0.69	0.73	0.59	0.11	0.12	0.11	0.33
	Avg. Net Demand Reduction Per Participant (kW)	0.49	0.51	0.42	0.04	0.05	0.05	0.21
Program Performance	Annual $Admin. per Participant (Gross)	$1,466	$61	$28	$18	$15	$26	$35
	Annual $Admin. per kWh/year (Gross)	$0.63	$0.03	$0.02	$0.03	$0.03	$0.05	$0.03
	Annual $Admin. per kW (Gross)	$2,125	$85	$47	$161	$126	$227	$105
	Annual $EM&V per $Total	1.6%	15.1%	13.5%	18.5%	11.0%	18.8%	13.4%
	Annual $Rebate per Participant (Gross)	$219	$218	$217	$219	$218	$218	$218

1. Program closed end of 2017.

2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

3. Realization Rate Adjustment occurred in 2015. Prior to 2012-2014 kWh realization rate was 106.7%, kW realization rate was 83.1%, and Net to Gross rate was 85%. From the start of 2015 forward kWh realization rate was 78%, kW realization rate was 89%, and Net to Gross rate was 45%.

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K.43 Virginia Residential Duct Sealing Program 2012–2017

VA - Residential Duct Sealing Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2012 - 2017 Program Total
O&M($)	Direct Rebate							
O&M($)	Direct Implementation							
O&M($)	Direct EM&V							
O&M($)	Indirect Other (Administrative)	$107,619	$88,535	$47,393	$29,028	$21,206	$12,428	$306,208
Costs ($)	Total	$898,451	$868,778	$995,573	$932,972	$697,755	$315,834	$4,709,363
Costs ($)	Planned	$1,078,863	$1,517,606	$1,760,434	$1,656,434	$1,765,492	$287,296	$8,066,125
Costs ($)	Variance	-$180,412	-$648,828	-$764,861	-$723,462	-$1,067,737	$28,538	-$3,356,761
	Annual % of Planned	83%	57%	57%	56%	40%	109.9%	58.4%
Participants[1]	Total (Gross)	8	108	401	1,860	658	264	3,299
	Planned (Gross)	1,267	3,456	5,249	5,249	1,499	0	16,720
	Variance	-1,259	-3,348	-4,848	-3,389	-841	264	-13,421
	Annual % of Planned (Gross)	1%	3%	8%	35%	44%		19.7%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	10,093	120,772	264,570	1,024,299	369,325	145,638	1,934,698
49%	Realization Rate Adjustment (kWh/yr)	-5,107	-61,111	-133,872	-518,295	-186,879	-73,693	-978,957
	Realization Rate Adjusted Savings (kWh/yr)	4,986	59,661	130,697	506,004	182,447	71,945	955,741
80%	Net-To-Gross Adjustment (kWh/yr)	-997	-11,932	-26,139	-101,201	-36,489	-14,389	-191,148
	Net Adjusted Savings (kWh/yr)	3,989	47,729	104,558	404,803	145,957	57,556	764,592
	Planned Net Savings (kWh/yr)	533,000	1,449,268	2,750,476	2,750,476	178,861	0	7,662,081
	Annual % Toward Planned Net Savings (kWh)	1%	3%	4%	15%	82%		10%
	Avg. Gross Savings Per Participant (kWh/yr)	1,262	1,118	660	551	561	552	586
	Avg. Net Savings Per Participant (kWh/yr)	499	442	261	218	222	218	232
Installed kW	Total Gross Demand Reduction (kW)	12	138	217	839	302	119	1,627
43%	Realization Rate Adjustment (kW)	-7	-79	-125	-483	-174	-69	-936
	Realization Rate Adjusted Gross Demand Reduction (kW)	5	59	92	357	129	51	692
80%	Net-To-Gross Adjustment (kW)	-1	-12	-18	-71	-26	-10	-138
	Net Adjusted Demand Reduction (kW)	4	47	74	285	103	41	553
	Planned Net Demand Reduction (kW)	330	898	1,732	1,732	60	0	4,752
	Annual % Toward Planned Net Reduction (kW)	1%	5%	4%	16%	172%		12%
	Avg. Gross Demand Reduction Per Participant (kW)	1.45	1.28	0.54	0.45	0.46	0.45	0.49
	Avg. Net Demand Reduction Per Participant (kW)	0.49	0.43	0.18	0.15	0.16	0.15	0.17
Program Performance	Annual $Admin. per Participant (Gross)	$13,452	$820	$118	$16	$32	$47	$93
	Annual $Admin. per kWh/year (Gross)	$10.66	$0.7	$0.2	$0.03	$0.06	$0.09	$0.16
	Annual $Admin. per kW (Gross)	$9,287	$642	$219	$97	$70	$104	$188
	Annual $EM&V per $Total	2.1%	13.5%	18.6%	15.0%	15.4%	21.1%	12.0%
	Annual $Rebate per Participant (Gross)	$125	$125	$133	$126	$125	$125	$125

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

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K.44 Virginia Residential Home Energy Check-Up Program 2012–2017

VA - Residential Home Energy Check-Up Program		2012	2013	2014	2015	2016	2017	2012 - 2017
Category	Indicator	Total	Total	Total	Total	Total	Total[2]	Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$45,900	$107,979	$302,076	$142,892	$152,251	$27,969	$779,066
Costs ($)	Total	$388,827	$1,139,455	$6,664,393	$4,530,926	$5,009,540	$710,794	$18,443,934
Costs ($)	Planned	$579,767	$1,147,655	$1,316,844	$1,390,384	$1,461,234	$948,379	$6,844,262
Costs ($)	Variance	-$190,940	-$8,200	$5,347,549	$3,140,542	$3,548,306	-$237,585	$11,599,672
	Annual % of Planned	67%	99%	506%	326%	343%	75%	269%
Participants[1]	Total (Gross)	31	1,569	19,702	13,860	15,252	1,500	51,914
	Planned (Gross)	602	1,605	2,427	2,427	2,427	0	9,488
	Variance	-571	-36	17,275	11,433	12,825	1,500	42,426
	Annual % of Planned (Gross)	5%	98%	812%	571%	628%		547%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	24,484	1,156,888	10,573,042	6,834,001	6,803,477	827,576	26,219,469
154%	Realization Rate Adjustment (kWh/yr)	13,099	618,935	5,656,578	3,656,191	3,639,860	442,753	14,027,416
	Realization Rate Adjusted Savings (kWh/yr)	37,583	1,775,823	16,229,620	10,490,192	10,443,338	1,270,330	40,246,885
82%	Net-To-Gross Adjustment (kWh/yr)	-7,517	-355,165	-3,245,924	-1,898,725	-1,890,244	-229,930	-7,627,504
	Net Adjusted Savings (kWh/yr)	30,066	1,420,658	12,983,696	8,591,467	8,553,094	1,040,400	32,619,381
	Planned Net Savings (kWh/yr)	492,000	1,306,356	2,468,259	2,468,259	4,593,678	0	11,328,552
	Annual % Toward Planned Net Savings (kWh)	6%	109%	526%	348%	186%		288%
	Avg. Gross Savings Per Participant (kWh/yr)	790	737	537	493	446	552	505
	Avg. Net Savings Per Participant (kWh/yr)	970	905	659	620	561	694	628
Installed kW	Total Gross Demand Reduction (kW)	3	140	1,106	695	693	76	2,713
154%	Realization Rate Adjustment (kW)	2	75	592	372	371	41	1,452
	Realization Rate Adjusted Gross Demand Reduction(kW)	5	215	1,698	1,066	1,064	117	4,165
82%	Net-To-Gross Adjustment (kW)	-1	-43	-340	-193	-193	-21	-790
	Net Adjusted Demand Reduction (kW)	4	172	1,358	873	871	96	3,374
	Planned Net Demand Reduction (kW)	85	225	437	437	1,002	0	2,186
	Annual % Toward Planned Net Reduction (kW)	4%	76%	311%	200%	87%		154%
	Avg. Gross Demand Reduction Per Participant (kW)	0.1	0.1	0.1	0.05	0.05	0.05	0.05
	Avg. Net Demand Reduction Per Participant (kW)	0.1	0.1	0.1	0.06	0.06	0.06	0.07
Program Performance	Annual $Admin. per Participant (Gross)	$1,481	$69	$15	$10	$10	$19	$15
	Annual $Admin. per kWh/year (Gross)	$2	$0	$0.03	$0.02	$0	$0	$0.03
	Annual $Admin. per kW (Gross)	$14,840	$771	$273	$206	$220	$366	$287
	Annual $EM&V per $Total	4.9%	9.7%	0.8%	2.6%	3.2%	12.1%	3.0%
	Annual $Rebate per Participant (Gross)	$220	$226	$226	$206	$208	$217	$215

1. Program closed end of 2017.

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2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.
3. The 2017 total gross deemed savings values reported in this table include adjustments of -2.1 kWh/year and -0.00044 kW made to the January 2017 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017. Specifically, the correction was in section 2.1.5 for “Low-Flow Showerhead” measures, to the “ΔT” variable, which is a measure of the change in temperature of the water used for shower and temperature entering the house (ΔT = Tshower – Tin house). STEP Manual 7.0.0 reported the value as 44.9°F, but has been corrected to 44.1°F. This correction is reflected in STEP Manual version 8.0.0 in this EM&V report.
4. Realization Rate Adjustment occurred in 2015. 2012-2014 Net to Gross Adjustment was 80.0%. From 2015 forward Net to Gross Adjustment was 82% and Realization Rate as adjusted to 154%.

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K.45 Virginia Residential Appliance Recycling Program (DSM Phase IV) 2015–2018

VA- Residential Appliance Recycling Program Category	Indicator	2015 Total	2016 Total	2017 Total	2018 Total	2015-2018 Program Total
O&M($)	Direct Rebate					
O&M($)	Direct Implementation					
O&M($)	Direct EM&V					
O&M($)	Indirect Other (Administrative)	$21,660	$65,648	$38,635	$3,094	$129,037
Costs ($)	Total	$929,051	$2,160,027	$981,865	$54,790	$4,125,733
Costs ($)	Planned	$1,102,158	$2,072,738	$1,086,648	$10,474	$4,272,019
Costs ($)	Variance	-$173,107	$87,289	-$104,783	$44,316	-$146,286
	Annual % of Planned	84%	104%	90%	523%	97%
Participants[1]	Total (Gross)	3,206	7,735	3,131	0	14,072
	Planned (Gross)	3,750	7,500	3,000	0	14,250
	Variance	-544	235	131	0	-178
	Annual % of Planned (Gross)	85%	103%	104%		99%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	3,618,359	7,552,110	3,016,432	0	14,186,901
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	3,618,359	7,552,110	3,016,432	0	14,186,901
77%	Net-To-Gross Adjustment (kWh/yr)	-832,223	-1,736,985	-693,779	0	-3,262,987
	Net Adjusted Savings (kWh/yr)	2,786,136	5,815,125	2,322,653	0	10,923,914
	Planned Net Savings (kWh/yr)	6,564,000	3,736,801	1,346,206	0	11,647,008
	Annual % Toward Planned Net Savings (kWh)	42%	156%	173%		94%
	Avg. Gross Savings Per Participant (kWh/yr)	1,129	976	963		1,008
	Avg. Net Savings Per Participant (kWh/yr)	869	752	742		776
Installed kW	Total Gross Demand Reduction (kW)	541.6	1,130.4	451.5	0.0	2,123.5
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	541.6	1,130.4	451.5	0.0	2,123.5
77%	Net-To-Gross Adjustment (kW)	-124.6	-260.0	-103.8	0.0	-488.4
	Net Adjusted Demand Reduction (kW)	417.0	870.4	347.7	0.0	1,635.1
	Planned Net Demand Reduction (kW)	1,220.7	559.4	201.5	0.0	1,981.6
	Annual % Toward Planned Net Reduction (kW)	34%	156%	173%		83%
	Avg. Gross Demand Reduction Per Participant (kW)	0.17	0.15	0.14		0.15
	Avg. Net Demand Reduction Per Participant (kW)	0.13	0.11	0.11		0.12
Program Performance	Annual SAdmin. per Participant (Gross)	$7	$8	$12		$9
	Annual SAdmin. per kWh/year (Gross)	$0.01	$0.01	$0.01		$0.01
	Annual SAdmin. per kW (Gross)	$40	$58	$86		$61
	Annual SEM&V per STotal	1.1%	4.5%	7.3%	93.6%	5.6%
	Annual SRebate per Participant (Gross)	$51	$50	$50		$50

1. Program closed end of 2017.
2. A participant is a unique account number.

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K.46 Virginia Commercial Lighting Program 2010–2012

VA- Commercial Lighting Program Category	Indicator	2010 Total	2011 Total	2012 Total	2010-2012 Program Total
O&M($)	Direct Rebate				
O&M($)	Direct Implementation				
O&M($)	Direct EM&V				
O&M($)	Indirect Other (Administrative)	$574,965	$419,642	$310,152	$1,304,759
Costs ($)	Total	$1,896,257	$5,239,777	$2,682,806	$9,818,840
Costs ($)	Planned	$1,683,194	$6,018,217	$9,231,456	$16,932,868
Costs ($)	Variance	$213,062	-$778,440	-$6,548,651	-$7,114,028
	Cum. % toward planned total	112.7%	87.1%	29.1%	58.0%
Participants	Total (Gross)	399	1,307	703	2,409
	Planned (Gross)	26	146	32	204
	Variance	373	1,161	671	2,205
	Cum % toward planned total (Gross)	1534.6%	895.2%	2196.9%	1180.9%
kWh	Total Gross Deemed Savings	13,533,989	42,212,316	23,709,597	79,455,902
178.0%	Realization Rate Adjustment [1]	10,581,378	32,807,324	18,502,140	61,890,842
	Adjusted Gross Savings	24,115,366	75,019,641	42,211,737	141,346,744
50.0%	Net-To-Gross Adjustment	-12,057,683	-37,509,820	-21,105,869	-70,673,372
	Net Adjusted Savings	12,057,683	37,509,820	21,105,869	70,673,372
	Planned Savings (Net)	6,364,934	35,764,075	7,716,991	49,846,000
	Cum. % Toward Planned Savings (Net)	189.4%	104.9%	273.5%	141.8%
	Avg. Savings Per Participant (Net)	30,220	28,699	30,023	29,337
kW	Total Gross Deemed Demand	3,049	9,553	5,450	18,052
98.0%	Realization Rate Adjustment	-61.0	-191.1	-109.0	
	Adjusted Gross Demand	2,988	9,362	5,341	
50.0%	Net-To-Gross Adjustment	-1,494	-4,681	-2,670	-8,845
	Net Adjusted Demand	1,494	4,681	2,670	8,845
	Planned Demand (Net)	798	4,490	969	6,257
	Cum. % Toward Planned Demand (Net)	187.2%	104.3%	275.6%	141.4%
	Avg. Demand Per Participant (Net)	4	4	4	6,257
Program Performance	Cum. $Admin. per Cum. Participant (Gross)	$1,441	$321	$441	$542
	Cum. $Admin. per Cum. KWh (Gross)	$0.04	$0.01	$0.01	$0.02
	Cum. $Admin. per Cum. KW (Gross)	$189	$44	$57	$72
	Cum. $EM&V per Cum Total Costs ($)	1.3%	5.9%	1.8%	3.9%
	Cum. $Rebate per Cum. Participant (Gross)	$2,445	$2,829	$2,681	$2,722

1. Program closed July 31, 2012.
2. Realization rate is 177% January 1st through May 30th, 179% June 1st through September 30th, and 177% October 1st through December 31st.

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K.47 Virginia Commercial HVAC Program 2010–2012

VA- Commerical HVAC Program Category	Indicator	2010 Total	2011 Total	2012 Total	2010-2012 Program Total
O&M($)	Direct Rebate				
O&M($)	Direct Implementation				
O&M($)	Direct EM&V				
O&M($)	Indirect Other (Administrative)	$109,504	$109,822	$68,630	$287,956
Costs ($)	Total	$396,225	$1,375,897	$641,660	$2,413,782
Costs ($)	Planned	$355,499	$1,149,943	$1,719,050	$3,224,492
Costs ($)	Variance	$40,726	$225,954	-$1,077,390	-$810,710
	Cum. % toward planned total	111.5%	119.6%	37.3%	74.9%
Participants	Total (Gross)	28	59	36	123
	Planned (Gross)	36	199	44	279
	Variance	-8	-140	-8	-156
	Cum % toward planned total (Gross)	77.8%	29.6%	81.8%	44.1%
kWh	Total Gross Deemed Savings	2,125,025	17,330,556	4,489,128	23,944,709
63.3%	Realization Rate Adjustment 1	-1,057,231	-7,280,807	-2,661,321	-10,999,359
	Adjusted Gross Savings	1,067,795	10,049,749	1,827,807	12,945,351
45.0%	Net-To-Gross Adjustment	-587,287	-5,527,362	-1,005,294	-7,119,943
	Net Adjusted Savings	480,508	4,522,387	822,513	5,825,408
	Planned Savings (Net)	993,361	5,481,166	1,209,473	7,684,000
	Cum. % Toward Planned Savings (Net)	48.4%	82.5%	68.0%	75.8%
	Avg. Savings Per Participant (Net)	17,161	76,651	22,848	47,361
kW	Total Gross Deemed Demand	281	1,629	568	2,477
97.0%	Realization Rate Adjustment	110	555	316	981
	Adjusted Gross Demand	390	2,184	884	3,458
45.0%	Net-To-Gross Adjustment	-215	-1,201	-486	-1,902
	Net Adjusted Demand	176	983	398	1,556
	Planned Demand (Net)	401	2,210	488	3,099
	Cum. % Toward Planned Demand (Net)	43.8%	44.5%	81.5%	50.2%
	Avg. Demand Per Participant (Net)	6	17	11	13
Program Performance	Cum. $Admin. per Cum. Participant (Gross)	$3,911	$1,861	$1,906	$2,341
	Cum. $Admin. per Cum. KWh (Gross)	$0.05	$0.01	$0.02	$0.01
	Cum. $Admin. per Cum. KW (Gross)	$390	$67	$121	$116
	Cum. $EM&V per Cum Total Costs ($)	6.3%	19.0%	19.1%	16.9%
	Cum. $Rebate per Cum. Participant (Gross)	$5,120	$11,274	$3,946	$8,883

1. Program closed July 31, 2012.
2. Realization rate is 63% January 1st through May 30th, 35% June 1st through September 30th, and 63% October 1st through December 31st.

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K.48 Virginia Non-Residential Duct Testing and Sealing Program 2012–2017

VA - Non-Residential Duct Sealing and Testing Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total[2]	2017 Total	2012-2017 Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$71,464	$202,348	$393,299	$219,936	$171,043	$69,478	$1,127,568
Costs ($)	Total	$608,554	$2,267,525	$8,935,038	$7,280,638	$5,627,877	$1,765,692	$26,485,324
Costs ($)	Planned	$1,799,295	$4,387,635	$5,595,842	$5,700,026	$5,960,859	$1,122,254	$24,565,911
Costs ($)	Variance	-$1,190,740	-$2,120,110	$3,339,197	$1,580,612	-$332,983	$643,437	$1,919,413
	Annual % of Planned	34%	52%	160%	128%	94%	157%	108%
Participants[1]	Total (Gross)	11	357	1,700	1,655	640	81	4,444
	Planned (Gross)	112	299	472	472	578	0	1,933
	Variance	-101	58	1,228	1,183	62	81	-2,511
	Annual % of Planned (Gross)	10%	119%	360%	351%	111%		230%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	77,742	1,765,683	28,470,361	20,488,106	26,352,640	4,251,334	81,405,866
87%	Realization Rate Adjustment (kWh/yr)	-10,106	-229,539	-3,701,147	-2,663,454	-3,425,843	-552,673	-10,582,763
	Realization Rate Adjusted Savings (kWh/yr)	67,635	1,536,144	24,769,214	17,824,652	22,926,796	3,698,661	70,823,104
97%	Net-To-Gross Adjustment (kWh/yr)	-1,894	-43,012	-693,538	-499,090	-641,950	-103,563	-1,983,047
	Net Adjusted Savings (kWh/yr)	65,742	1,493,132	24,075,676	17,325,562	22,284,846	3,595,098	68,840,057
	Planned Net Savings (kWh/yr)	3,324,000	8,826,223	15,569,864	15,569,864	3,432,339	0	46,722,290
	Annual % Toward Planned Net Savings (kWh)	2%	17%	155%	111%	649%		147%
	Avg. Gross Savings Per Participant (kWh/yr)	7,067	4,946	16,747	12,380	41,176	52,486	18,318
	Avg. Net Savings Per Participant (kWh/yr)	5,977	4,182	14,162	10,469	34,820	44,384	15,491
Installed kW	Total Gross Demand Reduction (kW)	8	508	2,051	2,514	2,594	695	8,370
94%	Realization Rate Adjustment (kW)	0	-29	-119	-146	-150	-40	-485
	Realization Rate Adjusted Gross Demand Reduction(kW)	8	478	1,932	2,368	2,444	655	7,884
97%	Net-To-Gross Adjustment (kW)	0	-13	-54	-66	-68	-18	-221
	Net Adjusted Demand Reduction (kW)	7	465	1,878	2,301	2,375	637	7,663
	Planned Net Demand Reduction (kW)	737	1,963	3,479	3,479	1,409	0	11,066
	Annual % Toward Planned Net Reduction (kW)	1%	24%	54%	66%	169%		69%
	Avg. Gross Demand Reduction Per Participant (kW)	0.73	1.42	1.21	1.52	4.05	8.58	1.88
	Avg. Net Demand Reduction Per Participant (kW)	0.67	1.30	1.10	1.39	3.71	7.86	1.72
Program	Annual $Admin. per Participant (Gross)	$6,497	$567	$231	$133	$267	$858	$254
Performance	Annual $Admin. per kWh/year (Gross)	$0.92	$0.11	$0.01	$0.01	$0.01	$0.02	$0.01
	Annual $Admin. per kW (Gross)	$8,904	$398	$192	$88	$66	$100	$135
	Annual $EM&V per $Total	11.8%	2.8%	4.1%	1.1%	2.0%	4.5%	2.9%
	Annual $Rebate per Participant (Gross)	$1,203	$4,313	$4,388	$3,846	$7,622	$18,095	$4,888

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1. Program ended in 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.
3. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report, and have been refiled with the Commission. An adjustment totaled -30,849,970 kWh/year and 0 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 12. The adjustment was made to full load heating hours (FLHheat) in Tables 90 and 91 to be consistent with those in the Mid-Atlantic TRM v 6, in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. This affected multiple Non-Residential HVAC measures (e.g. heat pumps, variable refrigerant flow, mini split systems) that reference Table 90 and 91, in multiple Non-Residential programs. This adjustment is reflected in STEP Manual version 8.0.0 in this EM&V report.

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DNV

K.49 Virginia Non-Residential Energy Audit Program 2012–2017

VA - Non-Residential Energy Audit Program Category	Indicator	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2012-2017 Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$67,698	$151,749	$309,322	$15,730	$74,888	$10,321	$629,710
Costs ($)	Total	$565,256	$1,714,452	$5,649,367	$453,753	$2,464,067	$262,302	$11,109,197
Costs ($)	Planned	$841,286	$1,848,339	$2,175,831	$1,868,401	$1,936,926	$304,034	$8,974,818
Costs ($)	Variance	-$276,030	-$133,887	$3,473,536	-$1,414,648	$527,140	-$41,732	$2,134,379
	Annual % of Planned	67%	93%	260%	24%	127%	86%	124%
Audits	Total (Gross)	8	514	22	69	118	4	735
Participants[1]	Total (Gross)	1	302	1,116	73	125	15	1,632
	Planned (Gross)	138	373	589	589	721	0	2,410
	Variance	-137	-71	527	-516	-596	15	-778
	Annual % of Planned (Gross)	1%	81%	189%	12%	17%		68%
Installed kWh/year	Total (Gross)	35,433	4,498,061	31,588,249	667,407	6,765,468	196,549	43,751,165
	Attribution Rate weighted by Measure	100%	98%	99%	84%	99%	95%	93%
	Realization Rate weighted by Measure	97%	72%	93%	97%	92%	86%	91%
	Adjusted (Net) by Realization Rate and Attribution Rate	34,538	3,168,993	29,013,666	546,608	6,211,917	162,456	39,138,178
	Planned (Net)	3,401,000	9,140,494	17,399,649	17,399,649	4,818,529	0	52,159,321
	Annual % Toward Planned Net Savings (kWh)	1.0%	35%	167%	3%	129%		75%
	Avg. Gross Savings Per Participant (kWh/yr)	35,433	14,894	28,305	9,143	54,124	13,103	26,808
	Avg. Net Savings Per Participant (kWh/yr)	34,538	10,493	25,998	7,488	49,695	10,830	23,982
Installed kW	Total (Gross)	10	956	2,104	9	765	24	3,868
	Attribution Rate weighted by Measure	100%	98%	99%	94%	99%	93%	99%
	Realization Rate weighted by Measure	97%	78%	83%	66%	92%	86%	84%
	Adjusted (Net) by Realization Rate and Attribution Rate	10	733	1,724	7	701	19	3,195
	Planned (Net)	600	1,614	15,040	6,390	740	0	24,384
	Annual % Toward Planned Net Reduction (kW)	2%	45%	11%	0%	95%		13%
	Avg. Gross Demand Reduction Per Participant (kW)	10.0	3.2	1.9	0.1	6.1	1.6	2.4
	Avg. Net Demand Reduction Per Participant (kW)	9.8	2.4	1.5	0.1	5.6	1.3	2.0
Program Performance	Annual $Admin. per Participant (Gross)	$67,698	$502	$277	$215	$599	$688	$386
	Annual $Admin. per kWh/year (Gross)	$1.91	$0.03	$0.01	$0.02	$0.01	$0.05	$0.01
	Annual $Admin. per kW (Gross)	$6,737	$159	$147	$1,846	$98	$422	$0.01
	Annual $EM&V per $Total	17.6%	4.9%	6.7%	19.5%	4.5%	41.1%	7.8%
	Annual $Rebate per Participant (Gross)	$7,413	$3,605	$3,953	$564	$15,359	$4,456	$4,617

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

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DNV

K.50 Virginia Non-Residential Heating and Cooling Efficiency Program (DSM Phase III) 2014–2020

VA- Non-Residential Heating & Cooling Efficiency Program Category	Indicator	2014 Total	2015 Total	2016 Total[2]	2017 Total	2018 Total	2019 Total	2020 Total	2014-2020 Program Total
O&M($)	Direct Rebate								
O&M($)	Direct Implementation								
O&M($)	Direct EM&V								
O&M($)	Indirect Other (Administrative)	$14,267	$38,982	$41,094	$69,115	$98,564	$37,916	$2,765	$302,703
Costs ($)	Total	$460,689	$1,347,317	$1,352,118	$1,756,467	$1,745,485	$645,966	$47,468	$7,355,509
Costs ($)	Planned	$1,530,331	$1,859,694	$1,807,707	$1,858,262	$1,977,851	$100,294	$0	$9,134,139
Costs ($)	Variance	-$1,069,642	-$512,377	-$455,589	-$101,796	-$232,365	$545,672	$47,468	-$1,778,630
	Annual % of Planned	30%	72%	75%	95%	88%	644%	N/A	81%
Participants[1]	Total (Gross)	6	114	89	103	77	17	0	406
	Planned (Gross)	261	746	782	797	807	0	0	3,393
	Variance	-255	-632	-693	-694	-730	17	0	-2,987
	Annual % of Planned (Gross)	2%	15%	11%	13%	10%	N/A	N/A	12%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	1,456,991	11,129,837	13,647,306	7,526,876	9,818,796	3,328,123	0	46,907,929
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	1,456,991	11,129,837	13,647,306	7,526,876	9,818,796	3,328,123	0	46,907,929
70%	Net-To-Gross Adjustment (kWh/yr)	-437,097	-3,338,951	-4,094,192	-2,258,063	-2,945,639	-998,437	0	-14,072,379
	Net Adjusted Savings (kWh/yr)	1,019,894	7,790,886	9,553,114	5,268,813	6,873,157	2,329,686	0	32,835,550
	Planned Net Savings (kWh/yr)	3,299,301	9,430,186	24,119,220	38,355,947	31,003,178	0	0	106,207,832
	Annual % Toward Planned Net Savings (kWh)	31%	83%	40%	14%	22%	N/A	N/A	31%
	Avg. Gross Savings Per Participant (kWh/yr)	242,832	97,630	153,341	73,076	127,517	195,772	N/A	115,537
	Avg. Net Savings Per Participant (kWh/yr)	169,982	68,341	107,338	51,154	89,262	137,040	N/A	80,876
Installed kW	Total Gross Demand Reduction (kW)	510.1	2,777.0	2,084.3	1,946.7	568.8	198.8	0.0	8,085.6
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction(kW)	510.1	2,777.0	2,084.3	1,946.7	568.8	198.8	0.0	8,085.6
70%	Net-To-Gross Adjustment (kW)	-153.0	-833.1	-625.3	-584.0	-170.6	-59.6	0.0	-2,425.7
	Net Adjusted Demand Reduction (kW)	357.1	1,943.9	1,459.0	1,362.7	398.1	139.2	0.0	5,660.0
	Planned Net Demand Reduction (kW)	835.2	2,387.2	4,089.6	15,592.6	7,536.0	0.0	0.0	30,440.6
	Annual % Toward Planned Net Reduction (kW)	43%	81%	36%	9%	5%	N/A	N/A	19%
	Avg. Gross Demand Reduction Per Participant (kW)	85.0	24.4	23.4	18.9	7.4	11.7	N/A	19.9
	Avg. Net Demand Reduction Per Participant (kW)	59.5	17.1	16.4	13.2	5.2	8.2	N/A	13.9
Program Performance	Annual $Admin. per Participant (Gross)	$2,378	$342	$462	$671	$1,280	$2,230	N/A	$746
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.00	$0.00	$0.01	$0.01	$0.01	N/A	$0.01
	Annual $Admin. per kW (Gross)	$28	$14	$20	$36	$173	$191	N/A	$37
	Annual $EM&V per $Total	5.6%	6.1%	8.6%	7.6%	7.3%	11.0%	94.2%	8.2%
	Annual $Rebate per Participant (Gross)	$19,834	$7,909	$10,729	$11,629	$15,058	$24,826	N/A	$11,711

1. Program closed end of 2019.
2. A participant is a unique account number.
3. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report, and have been refiled with the Commission. The adjustments totalled -154,576 kWh/year and 0 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 10. The adjustment was made to full load heating hours (FLHheat) in Tables 90 and 91 to be consistent

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with those in the Mid-Atlantic TRM v 6, in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. This affected multiple Non-Residential HVAC measures (e.g. heat pumps, variable refrigerant flow, mini split systems) that reference Table 90 and 91, in multiple Non-Residential programs. This adjustment is reflected in STEP Manual version 8.0.0 in this EM&V report.

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K.51 Virginia Non-Residential Lighting Systems & Controls Program (DSM Phase III) 2014-2020

VA- Non-Residential Lighting Systems & Controls Program Category	Indicator	2014 Total	2015 Total	2016 Total[2]	2017 Total	2018 Total	2019 Total	2020 Total	2014-2020 Program Total
O&M ($)	Direct Rebate								
O&M ($)	Direct Implementation								
O&M ($)	Direct EM&V								
O&M ($)	Indirect Other (Administrative)	$39,157	$191,137	$214,891	$351,449	$351,760	$289,158	$2,081	$1,439,634
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	$0	
Costs ($)	Total	$1,295,925	$6,608,836	$7,070,615	$8,931,669	$6,229,352	$4,806,213	$36,137	$34,978,746
Costs ($)	Planned	$3,048,223	$5,355,067	$5,349,167	$5,268,411	$6,289,779	$100,294	$0	$25,410,941
Costs ($)	Variance	-$1,752,298	$1,253,769	$1,721,448	$3,663,258	-$60,427	$4,705,918	$36,137	$9,567,805
	Annual % of Planned	43%	123%	132%	170%	99%	4792%	N/A	138%
Participants[1]	Total (Gross)	118	1,241	1,203	868	649	422	0	4,501
	Planned (Gross)	688	1,504	1,531	1,553	1,807	0	0	7,083
	Variance	-570	-263	-328	-685	-1,158	422	0	-2,582
	Annual % of Planned (Gross)	17%	83%	79%	56%	36%	N/A	N/A	64%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	4,749,693	50,828,062	65,876,985	71,024,607	45,157,541	41,988,907	0	279,625,795
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	4,749,693	50,828,062	65,876,985	71,024,607	45,157,541	41,988,907	0	279,625,795
70%	Net-To-Gross Adjustment (kWh/yr)	-1,424,908	-15,248,419	-19,763,096	-21,307,382	-13,547,262	-12,596,672	0	-83,887,739
	Net Adjusted Savings (kWh/yr)	3,324,785	35,579,643	46,113,890	49,717,225	31,610,279	29,392,235	0	195,738,057
	Planned Net Savings (kWh/yr)	12,317,239	27,461,536	24,119,220	33,214,031	40,368,376	0	0	137,480,402
	Annual % Toward Planned Net Savings (kWh)	27%	130%	191%	150%	78%	N/A	N/A	142%
	Avg. Gross Savings Per Participant (kWh/yr)	40,252	40,957	54,761	81,826	69,580	99,500	N/A	62,125
	Avg. Net Savings Per Participant (kWh/yr)	28,176	28,670	38,332	57,278	48,706	69,650	N/A	43,488
Installed kW	Total Gross Demand Reduction (kW)	998.5	10,674.2	15,380.0	11,958.2	7,222.3	5,637.5	0.0	51,870.7
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	998.5	10,674.2	15,380.0	11,958.2	7,222.3	5,637.5	0.0	51,870.7
70%	Net-To-Gross Adjustment (kW)	-299.5	-3,202.3	-4,614.0	-3,587.5	-2,166.7	-1,691.3	0.0	-15,561.2
	Net Adjusted Demand Reduction (kW)	698.9	7,472.0	10,766.0	8,370.8	5,055.6	3,946.3	0.0	36,309.5
	Planned Net Demand Reduction (kW)	3,228.9	7,670.4	4,089.4	5,486.3	7,269.0	0.0	0.0	27,744.0
	Annual % Toward Planned Net Reduction (kW)	22%	97%	263%	153%	70%	N/A	N/A	131%
	Avg. Gross Demand Reduction Per Participant (kW)	8.5	8.6	12.8	13.8	11.1	13.4	N/A	11.5
	Avg. Net Demand Reduction Per Participant (kW)	5.9	6.0	8.9	9.6	7.8	9.4	N/A	8.1
Program Performance	Annual $Admin. per Participant (Gross)	$332	$154	$179	$405	$542	$685	N/A	$320
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.00	$0.00	$0.00	$0.01	$0.01	N/A	$0.01
	Annual $Admin. per kW (Gross)	$39	$18	$14	$29	$49	$51	N/A	$28
	Annual $EM&V per $Total	5.1%	1.8%	1.5%	1.1%	1.6%	1.3%	94.2%	1.7%
	Annual $Rebate per Participant (Gross)	$4,355	$4,487	$5,025	$8,725	$7,668	$9,892	N/A	$6,410

1. Program closed end of 2019.
2. A participant is a unique account number.
3. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report and have been refiled with the Commission. The adjustments totaled -14,862,478 kWh/year and 168 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 9.1.1. The adjustment was to waste heat factors (WHFe and WHFd) applied to lighting fixtures installed in 2016, where the program participant building HVAC systems was assumed to be heat pump heating and cooling systems, rather than the

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previous assumption of AC cool and non-electric heat systems. This adjustment was made in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. It is reflected in STEP Manual version 8.0.0 in this EM&V report.

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K.52 Virginia Non-Residential Window Film Program (DSM Phase III) 2014–2020

VA- Non-Residential Window Film Program Category	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2014-2020 Program Total
O&M ($)	Direct Rebate								
O&M ($)	Direct Implementation								
O&M ($)	Direct EM&V								
O&M ($)	Indirect Other (Administrative)	$11,980	$12,457	$13,085	$21,659	$20,852	$5,421	$1,448	$86,903
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)	Total	$382,712	$400,634	$430,529	$550,444	$369,265	$103,090	$25,376	$2,262,051
Costs ($)	Planned	$705,718	$1,240,249	$1,712,877	$1,921,714	$2,237,336	$60,177	$0	$7,878,071
Costs ($)	Variance	-$323,005	-$839,615	-$1,282,348	-$1,371,270	-$1,868,072	$42,913	$25,376	-$5,616,020
	Annual % of Planned	54%	32%	25%	29%	17%	171%	N/A	29%
Participants[1]	Total Participants	3	22	70	59	91	8	0	253
	Total Square Feet	53,021	97,121	57,228	231,634	33,461	3,913	0	476,378
	Planned Square Feet	133,086	681,000	1,148,077	1,371,237	1,454,781	0	0	4,788,181
	Variance	-80,065	-583,879	-1,090,849	-1,139,603	-1,421,320	3,913	0	-4,311,803
	Annual % of Planned (Gross)	40%	14%	5%	17%	2%	N/A	N/A	10%
Square feet	Total Square Feet	53,021	97,121	57,228	231,634	33,461	3,913	0	476,378
	North Facing	11,663	23,535	13,931	48,150	2,090	1,104	0	100,473
	East Facing	14,597	24,260	8,105	61,663	7,387	424	0	116,436
	West Facing	15,090	22,836	15,826	62,196	12,254	713	0	128,915
	South Facing	11,671	26,490	19,366	59,625	11,730	1,672	0	130,554
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	1,152,476	3,077,815	464,794	1,734,665	170,954	8,956	0	6,609,660
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	1,152,476	3,077,815	464,794	1,734,665	170,954	8,956	0	6,609,660
80%	Net-To-Gross Adjustment (kWh/yr)	-230,495	-615,563	-92,959	-346,933	-34,191	-1,791	0	-1,321,932
	Net Adjusted Savings (kWh/yr)	921,980	2,462,252	371,835	1,387,732	136,764	7,165	0	5,287,728
	Planned Net Savings (kWh/yr)	2,395,548	12,258	15,842,639	15,209,376	10,484,938	0	0	43,944,759
	Annual % Toward Planned Net Savings (kWh)	38%	20087%	2%	9%	1%	N/A	N/A	12%
	Avg. Gross Savings Per Participant (kWh/yr)	384,159	139,901	6,640	29,401	1,879	1,119	N/A	26,125
	Avg. Gross Savings Per Square Foot (kWh/yr)	22	32	8	7	5	2	N/A	14
	Avg. Net Savings Per Participant (kWh/yr)	307,327	111,921	5,312	23,521	1,503	896	N/A	20,900
	Avg. Net Savings Per Square Foot (kWh/yr)	17	25	6	6	4	2	N/A	11
Installed kW	Total Gross Demand Reduction (kW)	233.1	626.6	139.7	471.5	57.6	2.5	0.0	1,531.0
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	233.1	626.6	139.7	471.5	57.6	2.5	0.0	1,531.0
80%	Net-To-Gross Adjustment (kW)	-46.6	-125.3	-27.9	-94.3	-11.5	-0.5	0.0	-306.2
	Net Adjusted Demand Reduction (kW)	186.5	501.2	111.8	377.2	46.1	2.0	0.0	1,224.8
	Planned Net Demand Reduction (kW)	532.3	2.4	14,497.4	13,692.8	9,627.0	0.0	0.0	38,351.9
	Annual % Toward Planned Net Reduction (kW)	35%	20885%	1%	3%	0.5%	N/A	N/A	3%
	Avg. Gross Demand Reduction Per Participant (kW)	78	28	2	8	0.6	0	N/A	6
	Avg. Gross Demand Reduction Per Square Foot (kW)	0.004	0.006	0.002	0.002	0.002	0.001	N/A	0.003
	Avg. Net Demand Reduction Per Participant (kW)	62	23	2	6	0.5	0	N/A	5
	Avg. Net Demand Reduction Per Square Foot (kW)	0.004	0.005	0.002	0.002	0.00	0.00	N/A	0
Program Performance	Annual $Admin. per Participant (Gross)	$3,993	$566	$187	$367	$229	$678	N/A	$343
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.00	$0.03	$0.01	$0.12	$0.61	N/A	$0.01
	Annual $Admin. per kW (Gross)	$51	$20	$94	$46	$362.0	$2,182.7	N/A	$57
	Annual $EM&V per $Total	22%	17%	26%	16%	22%	54%	94%	23%
	Annual $Rebate per Participant (Gross)	$6,090	$512	$667	$3,284	$285	$406	N/A	$1,182

1. Program closed end of 2019.
2. A participant is a unique account number.

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L. PROGRAM PERFORMANCE INDICATOR TABLES FOR NORTH CAROLINA

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L.1 North Carolina Residential Appliance Recycling Program (DSM Phase VII) 2021

L.1.1 2020–2021 North Carolina Residential Appliance Recycling Program (DSM Phase VII) Annual Indicator Tables

NC - Residential Appliance Recycling Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$881	$542	$1,422
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$17,270	$11,552	$28,822
Costs ($)		Planned	$0	$116,132	$111,062	$227,193
Costs ($)		Variance	$0	-$98,861	-$99,510	-$198,371
		Annual % of Planned	N/A	15%	10%	13%
Participants[1]		Total (Gross)	0	0	0	0
		Planned	0	573	570	1,143
		Variance	0	-573	-570	-1,143
		Annual % of Planned (Gross)	N/A	0%	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0	0
		Planned Net Savings (kWh/yr)	0	402,421	268,200	670,621
		Annual % Toward Planned Net Savings	N/A	0%	0%	0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	66.1	30.6	96.8
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	66.1	30.6	96.8
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	N/A	15.3%	38.7%	24.7%

1. A participant is a recycled refrigerator or freezer. Up to two units may be recycled for each electric account number and each unit will be counted as a unique participant.

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L.1.2 2021 North Carolina Residential Appliance Recycling Program (DSM Phase VII) Monthly Indicator Tables

NC - Residential Appliance Recycling Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$104	$177	$28	$31	-$138	$111	$91	-$70	$11	$12	$90	$94	**$542**	**$1,422**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$2,228	$3,776	$592	$655	-$2,937	$2,366	$1,936	-$1,483	$227	$255	$1,921	$2,014	**$11,552**	**$28,822**
Costs ($)		Planned	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	$9,255	**$111,062**	**$227,193**
Costs ($)		Variance	-$7,027	-$5,479	-$8,663	-$8,600	-$12,192	-$6,889	-$7,319	-$10,738	-$9,028	-$9,000	-$7,334	-$7,241	**-$99,510**	**-$198,371**
		Annual % of Planned	2%	5%	6%	7%	4%	6%	8%	6%	7%	7%	9%	10%	**10%**	**13%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned	53	47	47	47	47	47	47	47	47	47	47	47	**570**	**1,143**
		Variance	-53	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	**-570**	**-1,143**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned Net Savings (kWh/yr)	24,938	22,115	22,115	22,115	22,115	22,115	22,115	22,115	22,115	22,115	22,115	22,115	**268,200**	**670,621**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	**30.6**	**96.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	**30.6**	**96.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	33.0%	12.3%	19.6%	17.8%	30.0%	53.1%	41.2%	55.8%	56.3%	57.5%	45.9%	38.7%	**38.7%**	**24.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**

1. A participant is a recycled refrigerator or freezer. Up to two units may be recycled for each electric account number and each unit will be counted as a unique participant.

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L.2 North Carolina Residential Efficient Products Marketplace Program 2021

L.2.1 2020–2021 North Carolina Residential Efficient Products Marketplace Annual Indicator Tables

NC - Residential Thermostat Purchase Energy Efficiency Program			2020	2021	2020-2021
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)	$0	$900	$900
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$0	$19,202	$19,202
Costs ($)		Planned	$0	$73,197	$73,197
Costs ($)		Variance	$0	-$53,995	-$53,995
		Annual % of Planned	N/A	26.23%	26.23%
Participants[1]		Total (Gross)	0	52	52
		Planned	135	254	389
		Variance	-135	-202	-337
		Annual % of Planned (Gross)	0%	20%	13%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	33,471	33,471
		Realization Rate Weighted by Measure	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	33,471	33,471
		Net-To-Gross Rate Weighted by Measure	N/A	85%	85%
		Net-To-Gross Adjustment (kWh/yr)	0	-4,956	-4,956
		Net Adjusted Savings (kWh/yr)	0	28,516	28,516
		Planned Net Savings (kWh/yr)	58,050	109,220	167,270
		Annual % Toward Planned Net Savings	0%	26.1%	17.0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	644	644
		Avg. Net Savings Per Participant (kWh/yr)	N/A	548	548
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	10.8	20.3	31.1
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
		Planned Net Savings (kW)	10.8	20.3	31.1
		Annual % Toward Planned Net Reduction	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$17	$17
		Annual $Admin. per kWh/year (Gross)	N/A	$0.03	$0.03
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A
		Annual $EM&V per $Total	N/A	10.5%	10.5%
		Annual $Rebate per Participant (Gross)	N/A	$83	$83

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L.2.2 2021 North Carolina Residential Efficient Products Marketplace Monthly Indicator Tables

NC - Residential Efficient Products Marketplace Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$1,360	$1,896	$2,365	$1,586	$1,919	$1,661	$1,175	$1,216	$871	$1,646	$1,032	$1,396	**$18,123**	**$30,198**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$29,009	$40,444	$50,428	$33,819	$40,930	$35,422	$25,063	$25,940	$18,567	$35,095	$22,017	$29,781	**$386,515**	**$624,717**
Costs ($)		Planned	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	$36,744	**$440,922**	**$866,107**
Costs ($)		Variance	-$7,734	$3,701	$13,684	-$2,924	$4,187	-$1,322	-$11,681	-$10,803	-$18,177	-$1,649	-$14,727	-$6,963	**-$54,407**	**-$241,391**
		Annual % of Planned	7%	16%	27%	35%	44%	52%	58%	64%	68%	76%	81%	88%	**88%**	**72%**
Participants[1]		Total (Gross)	9,146	14,327	10,954	14,455	9,107	7,967	9,403	8,075	7,285	9,566	8,598	7,786	**116,669**	**203,163**
		Planned	13,378	13,375	13,375	13,375	13,375	13,375	13,375	13,375	13,375	13,375	13,375	13,375	**160,503**	**299,957**
		Variance	-4,232	952	-2,421	1,080	-4,268	-5,408	-3,972	-5,300	-6,090	-3,809	-4,777	-5,589	**-43,834**	**-96,794**
		Annual % of Planned (Gross)	68%	107%	82%	108%	68%	60%	70%	60%	54%	72%	64%	58%	**73%**	**68%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	271,527	465,780	343,324	464,751	269,446	232,923	277,719	240,295	221,285	283,246	267,129	244,690	**3,582,113**	**6,289,605**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	271,527	465,780	343,324	464,751	269,446	232,923	277,719	240,295	221,285	283,246	267,129	244,690	**3,582,113**	**6,289,605**
		Net-To-Gross Rate Weighted by Measure	65%	65%	65%	67%	64%	64%	63%	64%	65%	64%	65%	66%	**65%**	**65%**
		Net-To-Gross Adjustment (kWh/yr)	-95,354	-164,989	-121,471	-155,114	-95,716	-83,146	-103,639	-85,830	-78,434	-102,623	-92,527	-83,921	**-1,262,762**	**-2,173,774**
		Net Adjusted Savings (kWh/yr)	176,174	300,791	221,853	309,637	173,730	149,777	174,080	154,464	142,851	180,623	174,602	160,769	**2,319,351**	**4,115,832**
		Planned Net Savings (kWh/yr)	352,858	352,779	352,779	352,779	352,779	352,779	352,779	352,779	352,779	352,779	352,779	352,779	**4,233,427**	**11,994,266**
		Annual % Toward Planned Net Savings	4.16%	11.3%	16.5%	23.8%	27.9%	31.5%	35.6%	39.2%	42.6%	46.9%	51.0%	54.8%	**54.8%**	**34.3%**
		Avg. Gross Savings Per Participant (kWh/yr)	30	33	31	32	30	29	30	30	30	30	31	31	**31**	**31**
		Avg. Net Savings Per Participant (kWh/yr)	19	21	20	21	19	19	19	19	20	19	20	21	**20**	**20**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	25.0	42.8	31.7	42.7	24.9	21.5	25.8	22.1	20.5	26.2	24.6	22.6	**330.2**	**579.3**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	25.0	42.8	31.7	42.7	24.9	21.5	25.8	22.1	20.5	26.2	24.6	22.6	**330.2**	**579.3**
		Net-To-Gross Rate Weighted by Measure	65%	64%	64%	67%	64%	64%	62%	64%	64%	64%	65%	66%	**65%**	**65%**
		Net-To-Gross Adjustment (kW)	-8.8	-15.2	-11.3	-14.3	-8.9	-7.7	-9.7	-7.9	-7.3	-9.5	-8.6	-7.8	**-116.9**	**-201.0**
		Net Adjusted Demand Reduction (kW)	16.2	27.6	20.4	28.4	16.0	13.8	16.1	14.2	13.2	16.6	16.0	14.8	**213.3**	**378.3**
		Planned Net Savings (kW)	39.0	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	**467.4**	**567.9**
		Annual % Toward Planned Net Reduction	3.47%	9.37%	13.7%	19.8%	23.2%	26.2%	29.6%	32.7%	35.5%	39.0%	42.5%	45.6%	**45.6%**	**66.6%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
		Avg. Net Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	52.1	89.9	65.4	89.9	51.7	44.4	52.3	46.2	42.0	54.0	51.5	46.9	**686.2**	**686.2**
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	52.1	89.9	65.4	89.9	51.7	44.4	52.3	46.2	42.0	54.0	51.5	46.9	**686.2**	**686.2**
		Net-To-Gross Rate Weighted by Measure	65%	64%	64%	67%	64%	64%	62%	64%	64%	64%	65%	66%	**65%**	**65%**
		Net-To-Gross Adjustment (kW)	-18.1	-31.6	-22.8	-29.8	-18.2	-15.6	-19.1	-16.3	-14.6	-19.3	-17.7	-15.9	**-238.9**	**-238.9**
		Net Adjusted Demand Reduction (kW)	34.0	58.3	42.7	60.1	33.6	28.8	33.1	29.9	27.4	34.7	33.8	31.0	**447.3**	**447.3**
		Planned Net Savings (kW)	39.0	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	**467.4**	**567.9**
		Annual % Toward Planned Net Reduction	7.27%	19.7%	28.9%	41.7%	48.9%	55.1%	62.2%	68.6%	74.4%	81.8%	89.1%	95.7%	**95.7%**	**78.8%**
		Avg. Gross Demand Reduction Per Participant (kW)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.00**
		Avg. Net Demand Reduction Per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
Program Perfomance		Annual $Admin. per Participant (Gross)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
		Annual $Admin. per kWh/year (Gross)	$0.01	$0.00	$0.01	$0.00	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	**$0.01**	**$0.00**
		Annual $Admin. per kW (Gross)	$54	$48	$57	$51	$55	$57	$56	$56	$55	$55	$54	$55	**$55**	**$52**
		Annual $EM&V per $Total	14.9%	6.2%	6.5%	5.0%	4.0%	7.2%	6.5%	6.4%	6.2%	5.9%	5.5%	5.2%	**5.2%**	**4.8%**
		Annual $Rebate per Participant (Gross)	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2	**$2**	**$2**

1. A participant is a rebated lamp or appliance.

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L.3 North Carolina Residential Home Energy Assessment Program 2021

L.3.1 2020–2021 North Carolina Residential Home Energy Assessment Annual Indicator Tables

NC - Residential Home Energy Assessment Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$5,032	$5,671	$10,703
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$96,955	$120,947	$217,902
Costs ($)		Planned	$0	$270,379	$295,885	$566,264
Costs ($)		Variance	$0	-$173,423	-$174,938	-$348,361
		Annual % of Planned	N/A	36%	41%	38%
Participants[1]		Total (Gross)	0	17	32	49
		Planned	0	1,831	2,101	3,932
		Variance	0	-1,814	-2,069	-3,883
		Annual % of Planned (Gross)	N/A	1%	2%	1%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	19,413	70,833	90,245
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	19,413	70,833	90,245
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-3,883	-14,167	-18,049
		Net Adjusted Savings (kWh/yr)	0	15,530	56,666	72,196
		Planned Net Savings (kWh/yr)	0	562,522	751,784	1,314,307
		Annual % Toward Planned Net Savings	N/A	2.76%	7.54%	5.49%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	1,142	2,214	1,842
		Avg. Net Savings Per Participant (kWh/yr)	N/A	914	1,771	1,473
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	1.4	4.4	5.9
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	1.4	4.4	5.9
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	-0.3	-0.9	-1.2
		Net Adjusted Demand Reduction (kW)	0.0	1.2	3.6	4.7
		Planned Net Savings (kW)	0.0	106.4	163.8	270.3
		Annual % Toward Planned Net Reduction	N/A	1.08%	2.17%	1.74%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.08	0.1	0.1
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.07	0.1	0.10
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	9.6	9.6
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	9.6	9.6
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-1.9	-1.9
		Net Adjusted Demand Reduction (kW)	0.0	0.0	7.7	7.7
		Planned Net Savings (kW)	0.0	106.4	163.8	270.3
		Annual % Toward Planned Net Reduction	N/A	0%	4.71%	2.85%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.3	0.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.2	0.2
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$296	$177	$218
		Annual $Admin. per kWh/year (Gross)	N/A	$0.26	$0.08	$0.12
		Annual $Admin. per kW (Gross)	N/A	$3,488	$1,277	$1,819
		Annual $EM&V per $Total	N/A	9.2%	8.5%	8.8%

1. A participant is a unique account number

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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L.3.2 2021 North Carolina Residential Home Energy Assessment Monthly Indicator Tables

NC - Residential Home Energy Assessment Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$443	$350	$532	$454	$518	$750	$381	$427	$475	$625	$342	$374	**$5,671**	**$10,703**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$9,458	$7,461	$11,354	$9,677	$11,041	$16,004	$8,123	$9,114	$10,126	$13,323	$7,289	$7,977	**$120,947**	**$217,902**
Costs ($)		Planned	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	$24,657	**$295,885**	**$566,264**
Costs ($)		Variance	-$15,199	-$17,196	-$13,303	-$14,980	-$13,616	-$8,653	-$16,534	-$15,543	-$14,531	-$11,334	-$17,368	-$16,680	**-$174,938**	**-$348,361**
		Annual % of Planned	3%	6%	10%	13%	17%	22%	25%	28%	31%	36%	38%	41%	**41%**	**38%**
Participants[1]		Total (Gross)	0	0	4	5	4	3	5	1	3	6	0	1	**32**	**49**
		Planned	176	175	175	175	175	175	175	175	175	175	175	175	**2,101**	**3,932**
		Variance	-176	-175	-171	-170	-171	-172	-170	-174	-172	-169	-175	-174	**-2,069**	**-3,883**
		Annual % of Planned (Gross)	0%	0%	2%	3%	2%	2%	3%	1%	2%	3%	0%	1%	**2%**	**1%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	14,558	5,966	12,677	8,463	1,881	532	8,741	16,903	0	1,111	**70,833**	**90,245**
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%	100%	100%	100%	100%	100%	100%	N/A	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	14,558	5,966	12,677	8,463	1,881	532	8,741	16,903	0	1,111	**70,833**	**90,245**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	80%	80%	80%	80%	80%	80%	80%	80%	N/A	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	-2,912	-1,193	-2,535	-1,693	-376	-106	-1,748	-3,381	0	-222	**-14,167**	**-18,049**
		Net Adjusted Savings (kWh/yr)	0	0	11,647	4,773	10,142	6,770	1,505	426	6,993	13,523	0	889	**56,666**	**72,196**
		Planned Net Savings (kWh/yr)	62,977	62,619	62,619	62,619	62,619	62,619	62,619	62,619	62,619	62,619	62,619	62,619	**751,784**	**1,314,307**
		Annual % Toward Planned Net Savings	0%	0%	1.55%	2.18%	3.53%	4.43%	4.63%	4.69%	5.62%	7.42%	7.42%	7.54%	**7.54%**	**5.49%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	3,640	1,193	3,169	2,821	376	532	2,914	2,817	N/A	1,111	**2,214**	**1,842**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	2,912	955	2,535	2,257	301	426	2,331	2,254	N/A	889	**1,771**	**1,473**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.7	0.4	0.6	0.4	0.7	0.2	0.4	0.9	0.0	0.1	**4.4**	**5.9**
		Realization Rate Weighted by Measure	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.7	0.4	0.6	0.4	0.7	0.2	0.4	0.9	0.0	0.1	**4.4**	**5.9**
		Net-To-Gross Rate Weighted by Measure	0%	0%	80%	80%	80%	80%	80%	80%	80%	80%	0%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	0.0	0.0	**-0.9**	**-1.2**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.6	0.3	0.5	0.3	0.6	0.2	0.3	0.7	0.0	0.1	**3.6**	**4.7**
		Planned Net Savings (kW)	13.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	**163.8**	**270.3**
		Annual % Toward Planned Net Reduction	0%	0%	0.35%	0.53%	0.80%	1.01%	1.36%	1.48%	1.69%	2.13%	2.13%	2.17%	**2.17%**	**1.74%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.2	0.07	0.1	0.1	0.1	0.2	0.1	0.2	N/A	0.08	**0.1**	**0.1**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.1	0.06	0.1	0.1	0.1	0.2	0.1	0.1	N/A	0.06	**0.1**	**0.10**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	1.7	0.7	1.4	1.2	1.1	0.3	1.0	2.1	0.0	0.2	**9.6**	**9.6**
		Realization Rate Weighted by Measure	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	1.7	0.7	1.4	1.2	1.1	0.3	1.0	2.1	0.0	0.2	**9.6**	**9.6**
		Net-To-Gross Rate Weighted by Measure	0%	0%	80%	80%	80%	80%	80%	80%	80%	80%	0%	80%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	-0.3	-0.1	-0.3	-0.2	-0.2	-0.1	-0.2	-0.4	0.0	0.0	**-1.9**	**-1.9**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	1.4	0.6	1.1	0.9	0.9	0.3	0.8	1.7	0.0	0.1	**7.7**	**7.7**
		Planned Net Savings (kW)	13.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	**163.8**	**270.3**
		Annual % Toward Planned Net Reduction	0%	0%	0.82%	1.19%	1.85%	2.42%	2.95%	3.11%	3.60%	4.63%	4.63%	4.71%	**4.71%**	**2.85%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.4	0.1	0.3	0.4	0.2	0.3	0.3	0.3	N/A	0.2	**0.3**	**0.2**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.3	0.1	0.3	0.3	0.2	0.3	0.3	0.3	N/A	0.1	**0.2**	**0.2**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	$331	$198	$177	$190	$163	$175	$173	$160	$171	$177	**$177**	**$218**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	$0.09	$0.09	$0.07	$0.07	$0.08	$0.09	$0.08	$0.07	$0.08	$0.08	**$0.08**	**$0.12**
		Annual $Admin. per kW (Gross)	N/A	N/A	$1,845	$1,655	$1,401	$1,476	$1,231	$1,272	$1,252	$1,135	$1,213	$1,277	**$1,277**	**$1,819**
		Annual $EM&V per $Total	21.7%	12.2%	7.5%	5.6%	4.3%	10.9%	9.7%	10.2%	9.5%	9.4%	8.8%	8.5%	**8.5%**	**8.8%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	$909	$591	$650	$699	$553	$531	$548	$573	$573	$565	**$565**	**$460**

1. A participant is a unique account number.

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L.4 North Carolina Residential Home Retrofit Program 2021

L.4.1 2021 North Carolina Residential Home Retrofit Program Monthly Indicator Tables

NC - Residential Retrofit Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$192	$190	$115	$148	$146	$208	$227	$282	$169	**$1,676**	**$1,676**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$0	$0	$0	$4,092	$4,042	$2,449	$3,152	$3,112	$4,433	$4,839	$6,007	$3,613	**$35,738**	**$35,738**
Costs ($)		Planned	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	$6,785	**$81,417**	**$81,417**
Costs ($)		Variance	-$6,785	-$6,785	-$6,785	-$2,692	-$2,743	-$4,335	-$3,633	-$3,673	-$2,351	-$1,946	-$778	-$3,172	**-$45,678**	**-$45,678**
		Annual % of Planned	0%	0%	0%	5%	10%	13%	17%	21%	26%	32%	39%	44%	**44%**	**44%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned	10	4	4	4	4	4	4	4	4	4	4	4	**54**	**54**
		Variance	-10	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	**-54**	**-54**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned Net Savings (kWh/yr)	19,452	7,781	7,781	7,781	7,781	7,781	7,781	7,781	7,781	7,781	7,781	7,781	**105,039**	**105,039**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	5.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	**30.3**	**30.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	5.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	**30.3**	**30.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	7.7%	6.3%	6.9%	**6.9%**	**6.9%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**

1. A participant is a unique account number.

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L.4.2 2021 North Carolina Residential Home Retrofit Program Measure Indicator Tables

NC - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Water Heater Turndown 10 Degrees	Total Participants	0	0	0
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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NC - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Lighting	Total Participants	0	0	0
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0
	Lighting	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Total Participants	0	0	0
Installed kWh/year	Smart Thermostat Installation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Installation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Installation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Installation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Total Participants	0	0	0
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Total Participants	0	0	0
Installed kWh/year	Water Heater Replacement (Heat Pump)	Total Gross Energy Savings (kWh/yr)	0	0	0
	Water Heater Replacement (Heat Pump)	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Water Heater Replacement (Heat Pump)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Water Heater Replacement (Heat Pump)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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NC - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	ECM Fan Motor	Total Participants	0	0	0
Installed kWh/year	ECM Fan Motor	Total Gross Energy Savings (kWh/yr)	0	0	0
	ECM Fan Motor	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	ECM Fan Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	ECM Fan Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Total Participants	0	0	0
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Total Participants	0	0	0
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Total Participants	0	0	0
Installed kWh/year	HVAC Tune Up	Total Gross Energy Savings (kWh/yr)	0	0	0
	HVAC Tune Up	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	HVAC Tune Up	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	HVAC Tune Up	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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NC - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Crawl Space Insulation	Total Participants	0	0	0
Installed kWh/year	Crawl Space Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Crawl Space Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Crawl Space Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Crawl Space Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Crawl Space Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Crawl Space Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Drill and Fill Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Drill and Fill Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Drill and Fill Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Drill and Fill Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Total Participants	0	0	0
Installed kWh/year	Duct Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Total Participants	0	0	0
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Duct Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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NC - Residential Retrofit Program			2020	2021	2020-2021
Measures					
	Air Sealing	Total Participants	0	0	0
Installed kWh/year	Air Sealing	Total Gross Energy Savings (kWh/yr)	0	0	0
	Air Sealing	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Air Sealing	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Air Sealing	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Total Participants	0	0	0
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Attic Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Attic Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Basement Wall Insulation	Total Participants	0	0	0
Installed kWh/year	Basement Wall Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0
	Basement Wall Insulation	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Basement Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Basement Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Basement Wall Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Basement Wall Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Total Participants	0	0	0
Installed kWh/year	Central Home Energy Management System	Total Gross Energy Savings (kWh/yr)	0	0	0
	Central Home Energy Management System	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Central Home Energy Management System	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Central Home Energy Management System	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Central Home Energy Management System	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

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L.5 North Carolina Residential Energy Efficiency Kits Program 2021

L.5.1 2021 North Carolina Residential Energy Efficiency Kits Program Monthly Indicator Tables

NC - Residential Kits Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$60	$58	$72	$206	$785	$514	$449	$61	$472	**$2,678**	**$2,678**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$0	$0	$0	$1,288	$1,237	$1,541	$4,399	$16,737	$10,959	$9,584	$1,304	$10,067	**$57,116**	**$57,116**
Costs ($)		Planned	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	$10,113	**$121,351**	**$121,351**
Costs ($)		Variance	-$10,113	-$10,113	-$10,113	-$8,825	-$8,876	-$8,571	-$5,713	$6,625	$847	-$529	-$8,809	-$46	**-$64,235**	**-$64,235**
		Annual % of Planned	0%	0%	0%	1%	2%	3%	7%	21%	30%	38%	39%	47%	**47%**	**47%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	99	460	279	178	0	248	**1,264**	**1,264**
		Planned	150	150	150	150	150	150	150	150	150	150	150	150	**1,800**	**1,800**
		Variance	-150	-150	-150	-150	-150	-150	-51	310	129	28	-150	98	**-536**	**-536**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	66%	307%	186%	119%	0%	165%	**70%**	**70%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	11,113	56,422	31,318	29,310	106	31,313	**159,580**	**159,580**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	11,113	56,422	31,318	29,310	106	31,313	**159,580**	**159,580**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	-4,445	-22,569	-12,527	-11,724	-42	-12,525	**-63,832**	**-63,832**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	6,668	33,853	18,791	17,586	64	18,788	**95,748**	**95,748**
		Planned Net Savings (kWh/yr)	39,678	39,678	39,678	39,678	39,678	39,678	39,678	39,678	39,678	39,678	39,678	39,678	**476,131**	**476,131**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	1.40%	8.51%	12.5%	16.2%	16.2%	20.1%	**20.1%**	**20.1%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	112	123	112	165	N/A	126	**126**	**126**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	67	74	67	99	N/A	76	**76**	**76**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	2.8	2.5	0.0	2.7	**13.9**	**13.9**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	2.8	2.5	0.0	2.7	**13.9**	**13.9**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-2.0	-1.1	-1.0	0.0	-1.1	**-5.6**	**-5.6**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.0	1.7	1.5	0.0	1.6	**8.4**	**8.4**
		Planned Net Savings (kW)	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	**143.2**	**143.2**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.41%	2.49%	3.65%	4.70%	4.70%	5.83%	**5.83%**	**5.83%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	N/A	0.01	**0.01**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	N/A	0.01	**0.01**	**0.01**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.5	2.8	3.0	0.0	2.9	**15.2**	**15.2**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.5	2.8	3.0	0.0	2.9	**15.2**	**15.2**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	60%	60%	60%	60%	60%	60%	**60%**	**60%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-2.2	-1.1	-1.2	0.0	-1.2	**-6.1**	**-6.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.3	1.7	1.8	0.0	1.8	**9.1**	**9.1**
		Planned Net Savings (kW)	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	**143.2**	**143.2**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0.41%	2.72%	3.87%	5.14%	5.15%	6.39%	**6.39%**	**6.39%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.02	N/A	0.01	**0.01**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	0.01	0.01	0.01	0.01	N/A	0.01	**0.01**	**0.01**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$4	$2	$2	$2	$2	$2	**$2**	**$2**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$0.04	$0.02	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$406	$199	$195	$191	$197	$192	**$192**	**$192**
		Annual $EM&V per $Total	N/A	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	4.8%	4.7%	4.8%	**4.8%**	**4.8%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	$29	$30	$30	$30	$30	$30	**$30**	**$30**

1. A participant is a unique account number.

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L.5.2 2021 North Carolina Residential Energy Efficiency Kits Program Measure Indicator Tables

NC - Residential Kits Program			2020	2021	2020-2021
Measures					
	Window Weatherstripping	Total Participants	0	7	7
Installed kWh/year	Window Weatherstripping	Total Gross Energy Savings (kWh/yr)	0	118	118
	Window Weatherstripping	Net Adjusted Savings (kWh/yr)	0	71	71
Installed Summer peak kW	Window Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Window Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Window Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.2	0.2
	Window Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1

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NC - Residential Kits Program			2020	2021	2020-2021
Measures					
	Lighting	Total Participants	0	20	20
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	6,148	6,148
	Lighting	Net Adjusted Savings (kWh/yr)	0	3,689	3,689
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.6	0.6
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	1.2	1.2
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.7	0.7
	Outlet/Switch Gaskets	Total Participants	0	7	7
Installed kWh/year	Outlet/Switch Gaskets	Total Gross Energy Savings (kWh/yr)	0	15	15
	Outlet/Switch Gaskets	Net Adjusted Savings (kWh/yr)	0	9	9
Installed Summer peak kW	Outlet/Switch Gaskets	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Outlet/Switch Gaskets	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Outlet/Switch Gaskets	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Outlet/Switch Gaskets	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Strips	Total Participants	0	1,264	1,264
Installed kWh/year	Smart Strips	Total Gross Energy Savings (kWh/yr)	0	141,884	141,884
	Smart Strips	Net Adjusted Savings (kWh/yr)	0	85,130	85,130
Installed Summer peak kW	Smart Strips	Total Gross Demand Reduction (kW)	0.0	12.5	12.5
	Smart Strips	Net Adjusted Demand Reduction (kW)	0.0	7.5	7.5
Installed Winter peak kW	Smart Strips	Total Gross Demand Reduction (kW)	0.0	12.5	12.5
	Smart Strips	Net Adjusted Demand Reduction (kW)	0.0	7.5	7.5
	Water Distribution	Total Participants	0	17	17
Installed kWh/year	Water Distribution	Total Gross Energy Savings (kWh/yr)	0	6,799	6,799
	Water Distribution	Net Adjusted Savings (kWh/yr)	0	4,079	4,079
Installed Summer peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.2	0.2
Installed Winter peak kW	Water Distribution	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Water Distribution	Net Adjusted Demand Reduction (kW)	0.0	0.2	0.2

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NC - Residential Kits Program			2020	2021	2020-2021
Measures					
	Caulking per Tube	Total Participants	0	7	7
Installed kWh/year	Caulking per Tube	Total Gross Energy Savings (kWh/yr)	0	40	40
	Caulking per Tube	Net Adjusted Savings (kWh/yr)	0	24	24
Installed Summer peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Caulking per Tube	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Caulking per Tube	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Door Sweep	Total Participants	0	7	7
Installed kWh/year	Door Sweep	Total Gross Energy Savings (kWh/yr)	0	299	299
	Door Sweep	Net Adjusted Savings (kWh/yr)	0	179	179
Installed Summer peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	0.1	0.1
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	0.3	0.3
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	0.2	0.2
	Door Weatherstripping	Total Participants	0	7	7
Installed kWh/year	Door Weatherstripping	Total Gross Energy Savings (kWh/yr)	0	187	187
	Door Weatherstripping	Net Adjusted Savings (kWh/yr)	0	112	112
Installed Summer peak kW	Door Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Door Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Door Weatherstripping	Total Gross Demand Reduction (kW)	0.0	0.2	0.2
	Door Weatherstripping	Net Adjusted Demand Reduction (kW)	0.0	0.1	0.1
	Hot Water Pipe Insulation	Total Participants	0	17	17
Installed kWh/year	Hot Water Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	4,090	4,090
	Hot Water Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	2,454	2,454
Installed Summer peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.5	0.5
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3
Installed Winter peak kW	Hot Water Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.5	0.5
	Hot Water Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.3

L.5.3 2021 North Carolina Residential Energy Efficiency Kits Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
RKTS	164	Schedule 1P	67	265	25%	28,708	0%
RKTS	163	Schedule 1	76	265	29%	14,532	1%

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L.6 North Carolina Residential Smart Thermostat Purchase and WeatherSmart Program 2021

L.6.1 2021 North Carolina Residential Smart Thermostat Purchase and WeatherSmart Program Monthly Indicator Tables

NC - Residential Thermostat Purchase and WeatherSmart Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$56	$51	$82	$98	$78	$212	$119	$65	$139	**$900**	**$900**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$0	$0	$0	$1,198	$1,097	$1,744	$2,097	$1,656	$4,519	$2,542	$1,379	$2,969	**$19,202**	**$19,202**
Costs ($)		Planned	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	$6,100	**$73,197**	**$73,197**
Costs ($)		Variance	-$6,100	-$6,100	-$6,100	-$4,901	-$5,003	-$4,356	-$4,003	-$4,443	-$1,581	-$3,558	-$4,721	-$3,131	**-$53,995**	**-$53,995**
		Annual % of Planned	0%	0%	0%	2%	3%	6%	8%	11%	17%	20%	22%	26%	**26%**	**26%**
Participants[1]		Total (Gross)	0	0	0	0	17	5	3	1	13	2	3	9	**53**	**53**
		Planned	23	21	21	21	21	21	21	21	21	21	21	21	**254**	**389**
		Variance	-23	-21	-21	-21	-4	-16	-18	-20	-8	-19	-18	-12	**-201**	**-336**
		Annual % of Planned (Gross)	0%	0%	0%	0%	81%	24%	14%	5%	62%	10%	14%	43%	**21%**	**14%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	4,549	1,708	1,836	1,491	10,442	611	1,034	6,995	**28,668**	**28,668**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	4,549	1,708	1,836	1,491	10,442	611	1,034	6,995	**28,668**	**28,668**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	95%	91%	77%	74%	81%	84%	95%	81%	**84%**	**84%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	-227	-161	-420	-381	-2,033	-97	-52	-1,344	**-4,715**	**-4,715**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	4,322	1,548	1,416	1,110	8,409	514	983	5,652	**23,953**	**23,953**
		Planned Net Savings (kWh/yr)	9,890	9,030	9,030	9,030	9,030	9,030	9,030	9,030	9,030	9,030	9,030	9,030	**109,220**	**167,270**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	3.96%	5.37%	6.67%	7.69%	15.4%	15.9%	16.8%	21.9%	**21.9%**	**14.3%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	268	342	612	1,491	803	306	345	777	**541**	**541**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	254	310	472	1,110	647	257	328	628	**452**	**452**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	**20.3**	**31.1**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	**20.3**	**31.1**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	$6	$9	$12	$14	$15	$17	$17	$17	**$17**	**$17**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	$0.02	$0.03	$0.04	$0.04	$0.03	$0.03	$0.04	$0.03	**$0.03**	**$0.03**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	10.6%	9.7%	10.5%	**10.5%**	**10.5%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	$0	$9	$28	$35	$79	$78	$73	$82	**$82**	**$82**

1. A participant is a unique account number.

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L.6.2 2021 North Carolina Residential Smart Thermostat Purchase and WeatherSmart Program Measure Indicator Tables

NC - Residential Thermostat Purchase and WeatherSmart Program			2020	2021	2020-2021
Measures					
	Smart Thermostat Purchase	Total Participants	0	26	26
Installed kWh/year	Smart Thermostat Purchase	Total Gross Energy Savings (kWh/yr)	0	21,881	21,881
	Smart Thermostat Purchase	Net Adjusted Savings (kWh/yr)	0	17,504	17,504
Installed Summer peak kW	Smart Thermostat Purchase	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Purchase	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Total Participants	0	14	14
Installed kWh/year	Smart Thermostat Purchase - EFI	Total Gross Energy Savings (kWh/yr)	0	0	0
	Smart Thermostat Purchase - EFI	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	Smart Thermostat Purchase - EFI	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	Smart Thermostat Purchase - EFI	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Smart Thermostat Purchase - EFI	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Total Participants	0	27	27
Installed kWh/year	System Optimization	Total Gross Energy Savings (kWh/yr)	0	6,788	6,788
	System Optimization	Net Adjusted Savings (kWh/yr)	0	6,448	6,448
Installed Summer peak kW	System Optimization	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	System Optimization	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Total Participants	0	0	0
Installed kWh/year	System Optimization Detailed	Total Gross Energy Savings (kWh/yr)	0	0	0
	System Optimization Detailed	Net Adjusted Savings (kWh/yr)	0	0	0
Installed Summer peak kW	System Optimization Detailed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
Installed Winter peak kW	System Optimization Detailed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	System Optimization Detailed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0

1. A participant is a unique account number

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L.7 North Carolina Residential Income and Age Qualifying Home Improvement Program 2016–2021

L.7.1 2016–2021 North Carolina Residential Income and Age Qualifying Home Improvement Annual Indicator Tables

NC - Residential Income and Age Qualifying Home Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate							
O&M ($)		Direct Implementation							
O&M ($)		Direct EM&V							
O&M ($)		Indirect Other (Administrative)	$8,999	$12,899	$1,949	$8,131	$2,550	$4,121	$38,648
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$296,086	$327,806	$34,521	$205,018	$47,525	$87,883	$998,841
Costs ($)		Planned	$393,347	$306,440	$152,200	$268,230	$278,271	$138,911	$1,537,398
Costs ($)		Variance	-$97,261	$21,366	-$117,679	-$63,211	-$230,745	-$51,027	-$538,557
		Annual % of Planned	75%	107%	23%	76%	17%	63%	65%
Participants[1]		Total (Gross)	157	130	1	132	19	69	508
		Planned	257	254	0	282	282	120	1,195
		Variance	-100	-124	1	-150	-263	-51	-687
		Annual % of Planned (Gross)	61%	51%	N/A	47%	7%	58%	43%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	106,379	110,101	723	64,879	8,237	13,966	304,286
		Realization Rate Weighted by Measure	105%	105%	105%	105%	105%	100%	105%
		Realization Rate Adjustment (kWh/yr)	5,319	5,505	36	3,244	412	0	14,516
		Realization Rate Adjusted Savings (kWh/yr)	111,698	115,606	759	68,123	8,649	13,966	318,802
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%	80%	99%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	-2,793	-2,793
		Net Adjusted Savings (kWh/yr)	111,698	115,606	759	68,123	8,649	11,173	316,009
		Planned Net Savings (kWh/yr)	67,040	51,199	0	48,691	141,759	44,544	353,233
		Annual % Toward Planned Net Savings	166.6%	225.8%	N/A	139.9%	6.10%	25.1%	89.5%
		Avg. Gross Savings Per Participant (kWh/yr)	678	847	723	492	434	202	599
		Avg. Net Savings Per Participant (kWh/yr)	711	889	759	516	455	162	622
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	10.6	9.1	0.1	18.9	2.9	2.3	43.9
		Realization Rate Weighted by Measure	105%	105%	105%	105%	105%	100%	105%
		Realization Rate Adjustment (kW)	0.5	0.5	0.0	0.9	0.1	0.0	2.1
		Realization Rate Adjusted Gross Demand Reduction (kW)	11.2	9.6	0.1	19.8	3.0	2.3	46.0
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%	80%	99%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	-0.5	-0.5
		Net Adjusted Demand Reduction (kW)	11.2	9.6	0.1	19.8	3.0	1.8	45.5
		Planned Net Savings (kW)	15.0	11.4	0.0	5.1	13.7	8.6	53.8
		Annual % Toward Planned Net Reduction	74.3%	84.3%	N/A	393.0%	22.0%	21.4%	84.6%
		Avg. Gross Demand Reduction Per Participant (kW)	0.07	0.07	0.06	0.1	0.2	0.03	0.09
		Avg. Net Demand Reduction Per Participant (kW)	0.07	0.07	0.06	0.2	0.2	0.03	0.09
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	3.8	3.8
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	3.8	3.8
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	-0.8	-0.8
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	3.1	3.1
		Planned Net Savings (kW)	15.0	11.4	0.0	5.1	13.7	8.6	53.8
		Annual % Toward Planned Net Reduction	0%	0%	N/A	0%	0%	35.4%	5.69%
		Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.06	0.01
		Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	0.0	0.0	0.0	0.04	0.01
Program Perfomance		Annual $Admin. per Participant (Gross)	$57	$99	$1,949	$62	$134	$60	$76
		Annual $Admin. per kWh/year (Gross)	$0.08	$0.12	$2.70	$0.13	$0.31	$0.30	$0.13
		Annual $Admin. per kW (Gross)	$847	$1,411	$31,929	$430	$888	$1,786	$880
		Annual $EM&V per $Total	2.0%	2.3%	18.2%	3.0%	12.4%	9.0%	4.0%
		Annual $Rebate per Participant (Gross)	$1,442	$1,939	$1,763	$1,161	$1,019	$853	$1,401

1. A participant is a unique account number.

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2. The 2017 total gross deemed savings values reported in this table include adjustments of -307 kWh/year and -0.026 kW made to the January 2017 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017. Specifically, the correction was in section 2.1.5 for “Low-Flow Showerhead” measures, to the “ΔT” variable, which is a measure of the change in temperature of the water used for shower and temperature entering the house (ΔT = Tshower – Tin house). STEP Manual 7.0.0 reported the value as 44.9°F, but has been corrected to 44.1°F. This correction is reflected in STEP Manual version 8.0.0 in this EM&V report.

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L.7.2 2021 North Carolina Residential Income and Age Qualifying Home Improvement Monthly Indicator Tables

NC - Residential Income and Age Qualifying Home Improvement Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2016-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$131	$71	$7	$3,262	$119	$352	$2	$124	$15	$21	$0	$16	**$4,121**	**$38,648**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$2,800	$1,523	$145	$69,563	$2,547	$7,499	$33	$2,653	$320	$452	$0	$350	**$87,883**	**$998,841**
Costs ($)		Planned	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	$11,576	**$138,911**	**$1,537,398**
Costs ($)		Variance	-$8,776	-$10,053	-$11,431	$57,987	-$9,029	-$4,077	-$11,543	-$8,923	-$11,256	-$11,124	-$11,576	-$11,226	**-$51,027**	**-$538,557**
		Annual % of Planned	2%	3%	3%	53%	55%	61%	61%	62%	63%	63%	63%	63%	**63%**	**65%**
Participants[1]		Total (Gross)	0	0	0	67	1	1	0	0	0	0	0	0	**69**	**508**
		Planned	10	10	10	10	10	10	10	10	10	10	10	10	**120**	**1,195**
		Variance	-10	-10	-10	57	-9	-9	-10	-10	-10	-10	-10	-10	**-51**	**-687**
		Annual % of Planned (Gross)	0%	0%	0%	670%	10%	10%	0%	0%	0%	0%	0%	0%	**58%**	**43%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	13,558	21	388	0	0	0	0	0	0	**13,966**	**304,286**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	100%	100%	100%	N/A	N/A	N/A	N/A	N/A	N/A	**100%**	**105%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**14,516**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	13,558	21	388	0	0	0	0	0	0	**13,966**	**318,802**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	80%	80%	80%	N/A	N/A	N/A	N/A	N/A	N/A	**80%**	**99%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	-2,712	-4	-78	0	0	0	0	0	0	**-2,793**	**-2,793**
		Net Adjusted Savings (kWh/yr)	0	0	0	10,846	16	310	0	0	0	0	0	0	**11,173**	**316,009**
		Planned Net Savings (kWh/yr)	3,712	3,712	3,712	3,712	3,712	3,712	3,712	3,712	3,712	3,712	3,712	3,712	**44,544**	**353,233**
		Annual % Toward Planned Net Savings	0%	0%	0%	24.4%	24.4%	25.1%	25.1%	25.1%	25.1%	25.1%	25.1%	25.1%	**25.1%**	**89.5%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	202	21	388	N/A	N/A	N/A	N/A	N/A	N/A	**202**	**599**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	162	16	310	N/A	N/A	N/A	N/A	N/A	N/A	**162**	**622**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	2.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	**2.3**	**43.9**
		Realization Rate Weighted by Measure	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	**100%**	**105%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**2.1**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	2.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	**2.3**	**46.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	80%	80%	80%	0%	0%	0%	0%	0%	0%	**80%**	**99%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-0.5**	**-0.5**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	1.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	**1.8**	**45.5**
		Planned Net Savings (kW)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	**8.6**	**53.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	20.5%	20.7%	21.4%	21.4%	21.4%	21.4%	21.4%	21.4%	21.4%	**21.4%**	**84.6%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.03	0.02	0.07	N/A	N/A	N/A	N/A	N/A	N/A	**0.03**	**0.09**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.03	0.02	0.06	N/A	N/A	N/A	N/A	N/A	N/A	**0.03**	**0.09**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	3.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	**3.8**	**3.8**
		Realization Rate Weighted by Measure	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	3.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	**3.8**	**3.8**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	80%	80%	80%	0%	0%	0%	0%	0%	0%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	-0.7	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	**-0.8**	**-0.8**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	2.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	**3.1**	**3.1**
		Planned Net Savings (kW)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	**8.6**	**53.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	33.0%	33.0%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	35.4%	**35.4%**	**5.69%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.05	0.0	0.3	N/A	N/A	N/A	N/A	N/A	N/A	**0.06**	**0.01**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.04	0.0	0.2	N/A	N/A	N/A	N/A	N/A	N/A	**0.04**	**0.01**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	$52	$53	$57	$57	$59	$59	$59	$59	$60	**$60**	**$76**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	$0.26	$0.26	$0.28	$0.28	$0.29	$0.29	$0.29	$0.29	$0.30	**$0.30**	**$0.13**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	$1,567	$1,605	$1,709	$1,710	$1,764	$1,770	$1,779	$1,779	$1,786	**$1,786**	**$880**
		Annual $EM&V per $Total	43.1%	27.9%	27.6%	1.7%	1.6%	5.2%	5.2%	7.9%	8.2%	8.7%	8.7%	9.0%	**9.0%**	**4.0%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	$832	$832	$853	$853	$853	$853	$853	$853	$853	**$853**	**$1,401**

1. A participant is a unique account number.

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L.8 North Carolina Non-Residential Small Business Improvement Program 2017–2021

L.8.1 2017–2021 North Carolina Non-Residential Small Business Improvement Annual Indicator Tables

NC - Non-Residential Small Business Improvement Program Category	Measure	Indicator	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2016-2021 Total
O&M ($)		Direct Rebate							
O&M ($)		Direct Implementation							
O&M ($)		Direct EM&V							
O&M ($)		Indirect Other (Administrative)	$0	$3,870	$10,216	$7,730	$6,786	$3,131	$31,733
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$98,352	$180,923	$156,020	$125,394	$66,777	$627,467
Costs ($)		Planned	$0	$350,873	$420,342	$498,047	$556,969	$40,025	$1,866,257
Costs ($)		Variance	$0	-$252,521	-$239,419	-$342,027	-$431,575	$26,752	-$1,238,790
		Annual % of Planned	N/A	28%	43%	31%	23%	167%	34%
Participants[1]		Total (Gross)	0	7	36	27	17	7	94
		Planned	0	42	53	62	72	0	229
		Variance	0	-35	-17	-35	-55	7	-135
		Annual % of Planned (Gross)	N/A	17%	68%	44%	24%	N/A	41%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	166,507	1,000,716	695,521	380,315	206,514	2,449,573
		Realization Rate Weighted by Measure	N/A	100%	100%	100%	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	166,507	1,000,716	695,521	380,315	206,514	2,449,573
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%	93%	93%	93%	93%
		Net-To-Gross Adjustment (kWh/yr)	0	-11,655	-70,050	-48,686	-26,622	-14,456	-171,470
		Net Adjusted Savings (kWh/yr)	0	154,851	930,665	646,835	353,693	192,058	2,278,103
		Planned Net Savings (kWh/yr)	0	288,232	384,890	653,054	1,976,344	0	3,302,520
		Annual % Toward Planned Net Savings	N/A	53.7%	241.8%	99.0%	17.9%	N/A	69.0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	23,787	27,798	25,760	22,371	29,502	26,059
		Avg. Net Savings Per Participant (kWh/yr)	N/A	22,122	25,852	23,957	20,805	27,437	24,235
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	32.6	219.1	140.2	50.5	25.0	467.4
		Realization Rate Weighted by Measure	N/A	100%	100%	100%	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	32.6	219.1	140.2	50.5	25.0	467.4
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%	93%	93%	93%	93%
		Net-To-Gross Adjustment (kW)	0.0	-2.3	-15.3	-9.8	-3.5	-1.7	-32.7
		Net Adjusted Demand Reduction (kW)	0.0	30.3	203.8	130.4	46.9	23.2	434.7
		Planned Net Savings (kW)	0.0	43.7	76.0	129.0	370.5	0.0	619.2
		Annual % Toward Planned Net Reduction	N/A	69.4%	268.2%	101.1%	12.7%	N/A	70.2%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	4.7	6.1	5.2	3.0	3.6	5.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	4.3	5.7	4.8	2.8	3.3	4.6
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	29.5	29.5
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	29.5	29.5
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	93%	93%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	-2.1	-2.1
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	27.5	27.5
		Planned Net Savings (kW)	0.0	43.7	76.0	129.0	370.5	0.0	619.2
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	N/A	4.44%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	4.2	0.3
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	0.0	3.9	0.3
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$553	$284	$286	$399	$447	$338
		Annual $Admin. per kWh/year (Gross)	N/A	$0.02	$0.01	$0.01	$0.02	$0.02	$0.01
		Annual $Admin. per kW (Gross)	N/A	$119	$47	$55	$134	$125	$68
		Annual $EM&V per $Total	N/A	7.4%	3.9%	3.1%	5.8%	14.3%	5.7%

1. A participant is a unique account number.

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L.8.2 2021 North Carolina Non-Residential Small Business Improvement Monthly Indicator Tables

NC - Non-Residential Small Business Improvement Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2016-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$558	$1,719	$286	$227	$0	$192	$0	$84	$19	$28	$0	$17	**$3,131**	**$31,733**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$11,901	$36,669	$6,095	$4,850	$0	$4,099	$0	$1,794	$410	$602	$0	$357	**$66,777**	**$627,467**
Costs ($)		Planned	$9,673	$9,673	$9,673	$9,673	$167	$167	$167	$167	$167	$167	$167	$167	**$40,025**	**$1,866,257**
Costs ($)		Variance	$2,228	$26,996	-$3,578	-$4,822	-$167	$3,933	-$167	$1,628	$243	$435	-$167	$190	**$26,752**	**-$1,238,790**
		Annual % of Planned	30%	121%	137%	149%	149%	159%	159%	163%	164%	166%	166%	167%	**167%**	**34%**
Participants[1]		Total (Gross)	1	6	0	0	0	0	0	0	0	0	0	0	**7**	**94**
		Planned	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**229**
		Variance	1	6	0	0	0	0	0	0	0	0	0	0	**7**	**-135**
		Annual % of Planned (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**41%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	32,681	173,833	0	0	0	0	0	0	0	0	0	0	**206,514**	**2,449,573**
		Realization Rate Weighted by Measure	100%	100%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	32,681	173,833	0	0	0	0	0	0	0	0	0	0	**206,514**	**2,449,573**
		Net-To-Gross Rate Weighted by Measure	93%	93%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**93%**	**93%**
		Net-To-Gross Adjustment (kWh/yr)	-2,288	-12,168	0	0	0	0	0	0	0	0	0	0	**-14,456**	**-171,470**
		Net Adjusted Savings (kWh/yr)	30,393	161,665	0	0	0	0	0	0	0	0	0	0	**192,058**	**2,278,103**
		Planned Net Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**3,302,520**
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**69.0%**
		Avg. Gross Savings Per Participant (kWh/yr)	32,681	28,972	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**29,502**	**26,059**
		Avg. Net Savings Per Participant (kWh/yr)	30,393	26,944	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**27,437**	**24,235**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	1.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**25.0**	**467.4**
		Realization Rate Weighted by Measure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	1.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**25.0**	**467.4**
		Net-To-Gross Rate Weighted by Measure	93%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	-0.1	-1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-1.7**	**-32.7**
		Net Adjusted Demand Reduction (kW)	0.9	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**23.2**	**434.7**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**619.2**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**70.2%**
		Avg. Gross Demand Reduction Per Participant (kW)	1.0	4.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.6**	**5.0**
		Avg. Net Demand Reduction Per Participant (kW)	0.9	3.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.3**	**4.6**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	4.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**29.5**	**29.5**
		Realization Rate Weighted by Measure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	4.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**29.5**	**29.5**
		Net-To-Gross Rate Weighted by Measure	93%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	-0.3	-1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-2.1**	**-2.1**
		Net Adjusted Demand Reduction (kW)	4.2	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**27.5**	**27.5**
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**619.2**
		Annual % Toward Planned Net Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**4.44%**
		Avg. Gross Demand Reduction Per Participant (kW)	4.5	4.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**4.2**	**0.3**
		Avg. Net Demand Reduction Per Participant (kW)	4.2	3.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**3.9**	**0.3**
Program Perfomance		Annual $Admin. per Participant (Gross)	$558	$325	$366	$399	$399	$426	$426	$438	$441	$445	$445	$447	**$447**	**$338**
		Annual $Admin. per kWh/year (Gross)	$0.02	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01	$0.02	$0.02	$0.02	**$0.02**	**$0.01**
		Annual $Admin. per kW (Gross)	$559	$91	$103	$112	$112	$119	$119	$123	$123	$125	$125	$125	**$125**	**$68**
		Annual $EM&V per $Total	12.7%	3.1%	4.8%	4.4%	4.4%	10.2%	10.2%	12.6%	13.1%	13.8%	13.8%	14.3%	**14.3%**	**5.7%**
		Annual $Rebate per Participant (Gross)	$4,940	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	$4,863	**$4,863**	**$3,147**

1. A participant is a unique account number.

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L.9 North Carolina Non-Residential Small Business Improvement Enhanced Program 2021

L.9.1 2021 North Carolina Non-Residential Small Business Improvement Enhanced Program Monthly Indicator Tables

NC - Non-Residential Small Business Improvement Enhanced Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$278	$290	$279	$282	$284	$808	$831	$280	$534	**$3,866**	**$3,866**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$0	$0	$0	$5,929	$6,185	$5,952	$6,022	$6,053	$17,225	$17,714	$5,976	$11,383	**$82,440**	**$82,440**
Costs ($)		Planned	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	$18,483	**$221,797**	**$221,797**
Costs ($)		Variance	-$18,483	-$18,483	-$18,483	-$12,554	-$12,298	-$12,531	-$12,461	-$12,430	-$1,258	-$769	-$12,507	-$7,100	**-$139,357**	**-$139,357**
		Annual % of Planned	0%	0%	0%	3%	5%	8%	11%	14%	21%	29%	32%	37%	**37%**	**37%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	3	3	0	2	**8**	**8**
		Planned	7	3	3	3	3	3	3	3	3	3	3	3	**40**	**40**
		Variance	-7	-3	-3	-3	-3	-3	-3	-3	0	0	-3	-1	**-32**	**-32**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	67%	**20%**	**20%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	73,857	66,272	0	17,474	**157,603**	**157,603**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	N/A	100%	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	73,857	66,272	0	17,474	**157,603**	**157,603**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	93%	93%	N/A	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	-5,170	-4,639	0	-1,223	**-11,032**	**-11,032**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	68,687	61,633	0	16,250	**146,570**	**146,570**
		Planned Net Savings (kWh/yr)	101,569	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	**580,394**	**580,394**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	11.8%	22.5%	22.5%	25.3%	**25.3%**	**25.3%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	24,619	22,091	N/A	8,737	**19,700**	**19,700**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22,896	20,544	N/A	8,125	**18,321**	**18,321**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	8.2	0.0	5.4	**30.3**	**30.3**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	8.2	0.0	5.4	**30.3**	**30.3**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	93%	93%	0%	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	-0.6	0.0	-0.4	**-2.1**	**-2.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	7.6	0.0	5.1	**28.1**	**28.1**
		Planned Net Savings (kW)	31.9	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	**182.3**	**182.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	8.47%	12.7%	12.7%	15.4%	**15.4%**	**15.4%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.5	2.7	N/A	2.7	**3.8**	**3.8**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.1	2.5	N/A	2.5	**3.5**	**3.5**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	8.3	0.0	2.2	**15.5**	**15.5**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	8.3	0.0	2.2	**15.5**	**15.5**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	93%	93%	0%	93%	**93%**	**93%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.6	0.0	-0.2	**-1.1**	**-1.1**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	7.8	0.0	2.0	**14.5**	**14.5**
		Planned Net Savings (kW)	31.9	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	**182.3**	**182.3**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	2.56%	6.82%	6.82%	7.93%	**7.93%**	**7.93%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7	2.8	N/A	1.1	**1.9**	**1.9**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	2.6	N/A	1.0	**1.8**	**1.8**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$740	$509	$555	$483	**$483**	**$483**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0.03	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$134	$123	$134	$128	**$128**	**$128**
		Annual $EM&V per $Total	N/A	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	2.9%	2.7%	2.7%	**2.7%**	**2.7%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$3,133	$3,129	$3,129	$2,911	**$2,911**	**$2,911**

1. A participant is a unique account number.

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L.9.2 2021 North Carolina Non-Residential Small Business Improvement Program Measure Indicator Tables

NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Vending Machine Controller (Cold Drink)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Vending Machine Controller (Cold Drink)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Vending Machine Controller (Cold Drink)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	VSDs at Kitchen Exhaust Fan	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	VSDs at Kitchen Exhaust Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VSDs at Kitchen Exhaust Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Strip Curtain	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Strip Curtain	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Strip Curtain	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Suction Pipe Insulation	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Suction Pipe Insulation	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Suction Pipe Insulation	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Suction Pipe Insulation	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	T8/T5 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	T8/T5 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Variable Frequency Drives (VFD)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Occupancy Sensors	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Programmable Thermostats	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Refrigerant Charge Adjustment (AC-HP)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Steam Cooker	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Steam Cooker	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Steam Cooker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Steam Cooker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	LED Lamps	Total Participants	0	7	36	26	16	7	92
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	161,801	996,951	693,457	379,036	203,164	2,434,409
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	150,475	927,164	644,915	352,504	188,942	2,264,000
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	28.7	218.1	139.5	49.4	23.7	459.3
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	26.7	202.8	129.7	45.9	22.0	427.2
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	25.6	25.6
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	23.8	23.8
	Lighting	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Low/No Sweat Door Film	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Low/No Sweat Door Film	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Low/No Sweat Door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Low/No Sweat Door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Night Cover	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Night Cover	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Heat Pump Upgrade	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Hot Food Holder	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Hot Food Holder	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Hot Food Holder	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hot Food Holder	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	HVAC	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	HVAC	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	HVAC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HVAC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Ice Maker	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Ice Maker	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Ice Maker	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Ice Maker	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Evaporator Fan Control (Cooler and Freezer)	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Evaporator Fan Control (Cooler and Freezer)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Evaporator Fan Control (Cooler and Freezer)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Evaporator Fan Control (Cooler and Freezer)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Floating Head Pressure, Variable Setpoint/Speed	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Floating Head Pressure, Variable Setpoint/Speed	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Freezer and Refrigerator	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Freezer and Refrigerator	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Freezer and Refrigerator	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Freezer and Refrigerator	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Griddle	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Griddle	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Griddle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Griddle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	ECM at Evaporator Fan	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	ECM at Evaporator Fan	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	ECM at Evaporator Fan	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	ECM at Evaporator Fan	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ECM at Evaporator Fan	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Economizers	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Electric Combination Oven	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Electric Combination Oven	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Electric Combination Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Combination Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Electric Fryer	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Electric Fryer	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Electric Fryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electric Fryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	Convection Oven	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Convection Oven	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Convection Oven	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Convection Oven	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Convection Oven	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Door Closer	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Door Closer	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Door Gasket	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Door Gasket	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Door Gasket	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Door Gasket	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Duct Test and Seal	Total Participants	0	2	1	0	1	4	8
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	3,381	2,952	0	1,279	3,350	10,962
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	3,144	2,745	0	1,190	3,116	10,195
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	2.2	0.7	0.0	1.1	1.3	5.3
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	2.0	0.7	0.0	1.0	1.2	5.0
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	4.0	4.0
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	3.7	3.7

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2016-2021
Measures									
	AC Tune-Ups	Total Participants	0	4	1	2	0	0	7
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	0	1,324	813	2,064	0	0	4,202
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	0	1,231	756	1,920	0	0	3,908
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	1.7	0.3	0.7	0.0	0.0	2.8
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	1.6	0.3	0.7	0.0	0.0	2.6
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Advanced Power Strip	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Advanced Power Strip	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Advanced Power Strip	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Advanced Power Strip	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Air Compressor Leak Repairs	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Air Compressor Leak Repairs	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Air Compressor Leak Repairs	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Air Compressor Leak Repairs	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	Condenser Coil Clean	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	Condenser Coil Clean	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
Installed Summer peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Installed Winter peak kW	Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1. A participant is a unique account number

L.9.3 2021 North Carolina Non-Residential Small Business Improvement Program Comparison of Savings to Usage by Rate Schedule

Program	Rate Schedule	Rate Schedule	Net Adjusted Savings (kWh/year)	Net Systemwide Planned Savings (kWh/year)	Net Adjusted Savings as Percent of Planned Savings	Average Annual Usage (kWh/year)	Net Adjusted Savings as Percent of Average Annual Usage
SBIP	170	Schedule 5P	71434	11431	625%	118,943	60%
SBIP	168	Schedule 5	23728	11431	208%	32,330	73%

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L.10 North Carolina Non-Residential Prescriptive Program 2018–2021

L.10.1 2018–2021 North Carolina Non-Residential Prescriptive Annual Indicator Tables

NC - Non-Residential Prescriptive Program			2017	2018	2019	2020	2021	2017-2021
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate						
O&M ($)		Direct Implementation						
O&M ($)		Direct EM&V						
O&M ($)		Indirect Other (Administrative)	$0	$10,172	$10,038	$19,470	$21,983	$61,664
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$180,139	$189,380	$372,698	$468,837	$1,211,054
Costs ($)		Planned	$0	$400,909	$406,529	$398,979	$384,330	$1,590,747
Costs ($)		Variance	$0	-$220,770	-$217,149	-$26,281	$84,507	-$379,693
		Annual % of Planned	N/A	45%	47%	93%	122%	76%
Participants[1]		Total (Gross)	0	21	36	19	44	120
		Planned	0	29	29	29	27	114
		Variance	0	-8	7	-10	17	6
		Annual % of Planned (Gross)	N/A	72%	124%	66%	163%	105%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	221,779	227,788	1,671,465	1,073,802	3,194,833
		Realization Rate Weighted by Measure	N/A	100%	100%	45%	63%	59%
		Realization Rate Adjustment (kWh/yr)	0	0	0	-922,714	-392,310	-1,315,024
		Realization Rate Adjusted Savings (kWh/yr)	0	221,779	227,788	748,751	681,492	1,879,809
		Net-To-Gross Rate Weighted by Measure	N/A	85%	85%	90%	86%	88%
		Net-To-Gross Adjustment (kWh/yr)	0	-33,267	-34,168	-81,918	-121,248	-270,601
		Net Adjusted Savings (kWh/yr)	0	188,512	193,620	666,832	560,244	1,609,208
		Planned Net Savings (kWh/yr)	0	1,822,814	113,588	316,636	2,960,183	5,213,221
		Annual % Toward Planned Net Savings	N/A	10.3%	170.5%	210.6%	18.9%	30.9%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	10,561	6,327	87,972	24,405	26,624
		Avg. Net Savings Per Participant (kWh/yr)	N/A	8,977	5,378	35,096	12,733	13,410
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	25.3	30.4	179.6	182.0	417.2
		Realization Rate Weighted by Measure	N/A	100%	100%	74%	84%	82%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	-46.0	-28.9	-75.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	25.3	30.4	133.5	153.1	342.3
		Net-To-Gross Rate Weighted by Measure	N/A	85%	85%	86%	80%	83%
		Net-To-Gross Adjustment (kW)	0.0	-3.8	-4.6	-25.9	-36.4	-70.7
		Net Adjusted Demand Reduction (kW)	0.0	21.5	25.8	112.2	120.8	280.3
		Planned Net Savings (kW)	0.0	292.0	46.5	126.2	442.7	907.4
		Annual % Toward Planned Net Reduction	N/A	7.35%	55.5%	88.9%	27.3%	30.9%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	1.2	0.8	9.5	4.1	3.5
		Avg. Net Demand Reduction Per Participant (kW)	N/A	1.0	0.7	5.9	2.7	2.3
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	173.4	173.4
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	79%	79%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	-35.8	-35.8
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	137.6	137.6
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-34.7	-34.7
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	108.8	108.8
		Planned Net Savings (kW)	0.0	292.0	46.5	126.2	442.7	907.4
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	24.6%	12.0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	3.9	1.4
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0	2.5	0.9
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$484	$279	$1,025	$500	$514
		Annual $Admin. per kWh/year (Gross)	N/A	$0.05	$0.04	$0.01	$0.02	$0.02
		Annual $Admin. per kW (Gross)	N/A	$403	$330	$108	$121	$148
		Annual $EM&V per $Total	N/A	4.7%	3.8%	2.3%	6.7%	4.6%

1. A participant is a unique account number.

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L.10.2 2021 North Carolina Non-Residential Prescriptive Monthly Indicator Tables

NC - Non-Residential Prescriptive Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2017-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$759	$1,834	$2,057	$2,203	$5,275	$4,488	$283	$276	$269	$1,034	$263	$3,243	**$21,983**	**$61,664**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$16,177	$39,107	$43,871	$46,990	$112,490	$95,705	$6,034	$5,895	$5,742	$22,060	$5,613	$69,153	**$468,837**	**$1,211,054**
Costs ($)		Planned	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	$32,027	**$384,330**	**$1,590,747**
Costs ($)		Variance	-$15,851	$7,079	$11,844	$14,962	$80,462	$63,678	-$25,993	-$26,132	-$26,285	-$9,967	-$26,414	$37,125	**$84,507**	**-$379,693**
		Annual % of Planned	4%	14%	26%	38%	67%	92%	94%	95%	97%	103%	104%	122%	**122%**	**76%**
Participants[1]		Total (Gross)	0	0	0	6	23	11	0	0	0	3	0	1	**44**	**120**
		Planned	5	2	2	2	2	2	2	2	2	2	2	2	**27**	**114**
		Variance	-5	-2	-2	4	21	9	-2	-2	-2	1	-2	-1	**17**	**6**
		Annual % of Planned (Gross)	0%	0%	0%	300%	1150%	550%	0%	0%	0%	150%	0%	50%	**163%**	**105%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	250,997	240,533	241,670	151,115	122,070	0	0	0	15,246	0	52,171	**1,073,802**	**3,194,833**
		Realization Rate Weighted by Measure	N/A	43%	43%	46%	114%	100%	N/A	N/A	N/A	103%	N/A	94%	**63%**	**59%**
		Realization Rate Adjustment (kWh/yr)	0	-143,884	-138,129	-129,610	21,614	455	0	0	0	399	0	-3,155	**-392,310**	**-1,315,024**
		Realization Rate Adjusted Savings (kWh/yr)	0	107,113	102,405	112,060	172,729	122,525	0	0	0	15,645	0	49,015	**681,492**	**1,879,809**
		Net-To-Gross Rate Weighted by Measure	N/A	91%	91%	90%	76%	76%	N/A	N/A	N/A	76%	N/A	75%	**86%**	**88%**
		Net-To-Gross Adjustment (kWh/yr)	0	-10,611	-10,091	-13,332	-41,543	-29,845	0	0	0	-3,802	0	-12,024	**-121,248**	**-270,601**
		Net Adjusted Savings (kWh/yr)	0	96,502	92,314	98,727	131,186	92,680	0	0	0	11,843	0	36,992	**560,244**	**1,609,208**
		Planned Net Savings (kWh/yr)	548,182	219,273	219,273	219,273	219,273	219,273	219,273	219,273	219,273	219,273	219,273	219,273	**2,960,183**	**5,213,221**
		Annual % Toward Planned Net Savings	0%	3.26%	6.38%	9.71%	14.1%	17.3%	17.3%	17.3%	17.3%	17.7%	17.7%	18.9%	**18.9%**	**30.9%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	40,278	6,570	11,097	N/A	N/A	N/A	5,082	N/A	52,171	**24,405**	**26,624**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	16,455	5,704	8,425	N/A	N/A	N/A	3,948	N/A	36,992	**12,733**	**13,410**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	22.3	21.2	22.6	46.4	27.0	0.0	0.0	0.0	6.0	0.0	36.6	**182.0**	**417.2**
		Realization Rate Weighted by Measure	0%	69%	69%	71%	96%	92%	0%	0%	0%	92%	0%	87%	**84%**	**82%**
		Realization Rate Adjustment (kW)	0.0	-6.8	-6.5	-6.5	-2.0	-2.1	0.0	0.0	0.0	-0.5	0.0	-4.6	**-28.9**	**-75.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	15.5	14.7	16.1	44.4	24.8	0.0	0.0	0.0	5.5	0.0	32.0	**153.1**	**342.3**
		Net-To-Gross Rate Weighted by Measure	0%	88%	88%	87%	76%	76%	0%	0%	0%	76%	0%	75%	**80%**	**83%**
		Net-To-Gross Adjustment (kW)	0.0	-2.7	-2.5	-3.0	-11.2	-6.6	0.0	0.0	0.0	-1.5	0.0	-9.0	**-36.4**	**-70.7**
		Net Adjusted Demand Reduction (kW)	0.0	13.4	12.7	13.8	33.7	18.8	0.0	0.0	0.0	4.2	0.0	24.2	**120.8**	**280.3**
		Planned Net Savings (kW)	82.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	**442.7**	**907.4**
		Annual % Toward Planned Net Reduction	0%	3.03%	5.91%	9.02%	16.6%	20.9%	20.9%	20.9%	20.9%	21.8%	21.8%	27.3%	**27.3%**	**30.9%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	3.8	2.0	2.5	N/A	N/A	N/A	2.0	N/A	36.6	**4.1**	**3.5**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	2.3	1.5	1.7	N/A	N/A	N/A	1.4	N/A	24.2	**2.7**	**2.3**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	17.8	17.1	25.4	51.4	32.3	0.0	0.0	0.0	6.6	0.0	22.8	**173.4**	**173.4**
		Realization Rate Weighted by Measure	0%	69%	69%	71%	96%	92%	0%	0%	0%	92%	0%	87%	**79%**	**79%**
		Realization Rate Adjustment (kW)	0.0	-6.8	-6.5	-7.2	-3.8	-5.0	0.0	0.0	0.0	-1.5	0.0	-5.1	**-35.8**	**-35.8**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	11.0	10.6	18.2	47.6	27.3	0.0	0.0	0.0	5.1	0.0	17.7	**137.6**	**137.6**
		Net-To-Gross Rate Weighted by Measure	0%	88%	88%	87%	76%	76%	0%	0%	0%	76%	0%	75%	**80%**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	-1.6	-1.5	-3.7	-12.5	-8.0	0.0	0.0	0.0	-1.6	0.0	-5.7	**-34.7**	**-34.7**
		Net Adjusted Demand Reduction (kW)	0.0	10.0	9.6	15.3	36.1	20.6	0.0	0.0	0.0	3.8	0.0	13.3	**108.8**	**108.8**
		Planned Net Savings (kW)	82.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	**442.7**	**907.4**
		Annual % Toward Planned Net Reduction	0%	2.27%	4.44%	7.90%	16.1%	20.7%	20.7%	20.7%	20.7%	21.6%	21.6%	24.6%	**24.6%**	**12.0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	4.2	2.2	2.9	N/A	N/A	N/A	2.2	N/A	22.8	**3.9**	**1.4**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	2.5	1.6	1.9	N/A	N/A	N/A	1.3	N/A	13.3	**2.5**	**0.9**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	$1,142	$418	$415	$422	$429	$436	$430	$436	$500	**$500**	**$514**
		Annual $Admin. per kWh/year (Gross)	N/A	$0.01	$0.01	$0.01	$0.01	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.02**
		Annual $Admin. per kW (Gross)	N/A	$116	$107	$104	$108	$119	$121	$123	$125	$127	$129	$121	**$121**	**$148**
		Annual $EM&V per $Total	60.9%	17.8%	14.9%	10.1%	5.7%	8.1%	8.0%	7.9%	7.8%	7.9%	7.8%	6.7%	**6.7%**	**4.6%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	$16,847	$6,387	$6,126	$6,126	$6,126	$6,126	$5,967	$5,967	$7,202	**$7,202**	**$6,161**

1. A participant is a unique account number.

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L.11 North Carolina Non-Residential Heating and Cooling Efficiency Program (DSM VII) 2020–2021

L.11.1 2020–2021 North Carolina Non-Residential Heating and Cooling Efficiency Program (DSM VII) Annual Indicator Table

NC - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$1,598	$1,582	$3,179
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$30,873	$33,730	$64,603
Costs ($)		Planned	$0	$122,049	$116,478	$238,526
Costs ($)		Variance	$0	-$91,176	-$82,748	-$173,924
		Annual % of Planned	N/A	25%	29%	27%
Participants[1]		Total (Gross)	0	0	1	1
		Planned	0	42	42	84
		Variance	0	-42	-41	-83
		Annual % of Planned (Gross)	N/A	0%	2%	1%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	2,946	2,946
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	2,946	2,946
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-884	-884
		Net Adjusted Savings (kWh/yr)	0	0	2,062	2,062
		Planned Net Savings (kWh/yr)	0	545,699	522,168	1,067,867
		Annual % Toward Planned Net Savings	N/A	0%	0.39%	0.19%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	2,946	2,946
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	2,062	2,062
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.5	0.5
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.5	0.5
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-0.2	-0.2
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	0.4
		Planned Net Savings (kW)	0.0	129.7	95.2	224.9
		Annual % Toward Planned Net Reduction	N/A	0%	0.37%	0.16%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.5	0.5
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.4	0.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.5	0.5
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.5	0.5
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-0.2	-0.2
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	0.4
		Planned Net Savings (kW)	0.0	129.7	95.2	224.9
		Annual % Toward Planned Net Reduction	N/A	0%	0.37%	0.16%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.5	0.5
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.4	0.4
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	$1,582	$3,179
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	$0.54	$1.08
		Annual $Admin. per kW (Gross)	N/A	N/A	$3,158	$6,347
		Annual $EM&V per $Total	N/A	14.9%	20.8%	18.0%

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L.11.2 2021 North Carolina Non-Residential Heating and Cooling Efficiency Program (DSM VII) Monthly Indicator Table

NC - Non-Residential Heating and Cooling Efficiency Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$148	$99	$136	$101	$141	$283	$99	$136	$110	$122	$99	$109	**$1,582**	**$3,179**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$3,162	$2,103	$2,901	$2,156	$3,010	$6,037	$2,103	$2,900	$2,347	$2,592	$2,103	$2,316	**$33,730**	**$64,603**
Costs ($)		Planned	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	$9,706	**$116,478**	**$238,526**
Costs ($)		Variance	-$6,545	-$7,603	-$6,805	-$7,551	-$6,697	-$3,669	-$7,603	-$6,806	-$7,360	-$7,114	-$7,603	-$7,390	**-$82,748**	**-$173,924**
		Annual % of Planned	3%	5%	7%	9%	11%	17%	18%	21%	23%	25%	27%	29%	**29%**	**27%**
Participants[1]		Total (Gross)	0	0	0	0	1	0	0	0	0	0	0	0	**1**	**1**
		Planned	9	3	3	3	3	3	3	3	3	3	3	3	**42**	**84**
		Variance	-9	-3	-3	-3	-2	-3	-3	-3	-3	-3	-3	-3	**-41**	**-83**
		Annual % of Planned (Gross)	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	**2%**	**1%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	2,946	0	0	0	0	0	0	0	**2,946**	**2,946**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	2,946	0	0	0	0	0	0	0	**2,946**	**2,946**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	70%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**70%**	**70%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	-884	0	0	0	0	0	0	0	**-884**	**-884**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	2,062	0	0	0	0	0	0	0	**2,062**	**2,062**
		Planned Net Savings (kWh/yr)	111,893	37,298	37,298	37,298	37,298	37,298	37,298	37,298	37,298	37,298	37,298	37,298	**522,168**	**1,067,867**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%	**0.39%**	**0.19%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,946	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**2,946**	**2,946**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,062	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**2,062**	**2,062**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.5**	**0.5**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.5**	**0.5**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-0.2**	**-0.2**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.4**	**0.4**
		Planned Net Savings (kW)	20.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	**95.2**	**224.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	**0.37%**	**0.16%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.5**	**0.5**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.4**	**0.4**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.5**	**0.5**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.5**	**0.5**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**-0.2**	**-0.2**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.4**	**0.4**
		Planned Net Savings (kW)	20.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	**95.2**	**224.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	0.37%	**0.37%**	**0.16%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.5**	**0.5**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	0.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0.4**	**0.4**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	$625	$908	$1,007	$1,143	$1,253	$1,374	$1,473	$1,582	**$1,582**	**$3,179**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	$0.21	$0.31	$0.34	$0.39	$0.43	$0.47	$0.50	$0.54	**$0.54**	**$1.08**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	$1,248	$1,813	$2,010	$2,281	$2,501	$2,744	$2,941	$3,158	**$3,158**	**$6,347**
		Annual $EM&V per $Total	31.1%	18.7%	20.2%	16.0%	12.4%	27.9%	25.2%	25.3%	23.9%	23.4%	21.8%	20.8%	**20.8%**	**18.0%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	$759	$759	$759	$759	$759	$759	$759	$759	**$759**	**$759**

1. A participant is a unique account number.

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L.12 North Carolina Non-Residential Lighting Systems & Controls Program (DSM Phase VII) 2021

L.12.1 2020–2021 North Carolina Non-Residential Lighting Systems & Controls (DSM VII) Annual Indicator Table

NC - Non-Residential Lighting Systems & Controls Program Category	Measure	Indicator	2019 Total	2020 Total	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$7,657	$4,360	$12,017
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$160,883	$92,989	$253,871
Costs ($)		Planned	$0	$184,522	$136,425	$320,947
Costs ($)		Variance	$0	-$23,639	-$43,436	-$67,076
		Annual % of Planned	N/A	87%	68%	79%
Participants[1]		Total (Gross)	0	9	5	14
		Planned	0	40	21	61
		Variance	0	-31	-16	-47
		Annual % of Planned (Gross)	N/A	23%	24%	23%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	111,813	189,982	301,795
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	111,813	189,982	301,795
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kWh/yr)	0	-33,544	-56,995	-90,539
		Net Adjusted Savings (kWh/yr)	0	78,269	132,987	211,257
		Planned Net Savings (kWh/yr)	0	855,138	423,040	1,278,178
		Annual % Toward Planned Net Savings	N/A	9.15%	31.4%	16.5%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	12,424	37,996	21,557
		Avg. Net Savings Per Participant (kWh/yr)	N/A	8,697	26,597	15,090
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	5.3	41.2	46.5
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	5.3	41.2	46.5
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	-1.6	-12.4	-14.0
		Net Adjusted Demand Reduction (kW)	0.0	3.7	28.8	32.6
		Planned Net Savings (kW)	0.0	177.3	57.3	234.5
		Annual % Toward Planned Net Reduction	N/A	2.11%	50.4%	13.9%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.6	8.2	3.3
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.4	5.8	2.3
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	17.3	17.3
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	17.3	17.3
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-5.2	-5.2
		Net Adjusted Demand Reduction (kW)	0.0	0.0	12.1	12.1
		Planned Net Savings (kW)	0.0	177.3	57.3	234.5
		Annual % Toward Planned Net Reduction	N/A	0%	21.2%	5.17%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	3.5	1.2
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	2.4	0.9
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$851	$872	$858
		Annual $Admin. per kWh/year (Gross)	N/A	$0.07	$0.02	$0.04
		Annual $Admin. per kW (Gross)	N/A	$1,434	$106	$258
		Annual $EM&V per $Total	N/A	3.3%	8.2%	5.1%

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L.12.2 2021 North Carolina Non-Residential Lighting Systems & Controls (DSM Phase VII) Monthly Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$283	$297	$588	$229	$309	$455	$232	$273	$973	$260	$221	$240	**$4,360**	**$12,017**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$6,036	$6,341	$12,539	$4,891	$6,583	$9,712	$4,952	$5,813	$20,750	$5,539	$4,713	$5,120	**$92,989**	**$253,871**
Costs ($)		Planned	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	$11,369	**$136,425**	**$320,947**
Costs ($)		Variance	-$5,332	-$5,028	$1,170	-$6,478	-$4,786	-$1,657	-$6,416	-$5,556	$9,381	-$5,829	-$6,656	-$6,249	**-$43,436**	**-$67,076**
		Annual % of Planned	4%	9%	18%	22%	27%	34%	37%	42%	57%	61%	64%	68%	**68%**	**79%**
Participants[1]		Total (Gross)	0	1	1	0	1	1	0	0	1	0	0	0	**5**	**14**
		Planned	10	1	1	1	1	1	1	1	1	1	1	1	**21**	**61**
		Variance	-10	0	0	-1	0	0	-1	-1	0	-1	-1	-1	**-16**	**-47**
		Annual % of Planned (Gross)	0%	100%	100%	0%	100%	100%	0%	0%	100%	0%	0%	0%	**24%**	**23%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	2,140	58,614	0	3,010	3,674	0	0	122,544	0	0	0	**189,982**	**301,795**
		Realization Rate Weighted by Measure	N/A	100%	100%	N/A	100%	100%	N/A	N/A	100%	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	2,140	58,614	0	3,010	3,674	0	0	122,544	0	0	0	**189,982**	**301,795**
		Net-To-Gross Rate Weighted by Measure	N/A	70%	70%	N/A	70%	70%	N/A	N/A	70%	N/A	N/A	N/A	**70%**	**70%**
		Net-To-Gross Adjustment (kWh/yr)	0	-642	-17,584	0	-903	-1,102	0	0	-36,763	0	0	0	**-56,995**	**-90,539**
		Net Adjusted Savings (kWh/yr)	0	1,498	41,030	0	2,107	2,572	0	0	85,780	0	0	0	**132,987**	**211,257**
		Planned Net Savings (kWh/yr)	201,448	20,145	20,145	20,145	20,145	20,145	20,145	20,145	20,145	20,145	20,145	20,145	**423,040**	**1,278,178**
		Annual % Toward Planned Net Savings	0%	0.35%	10.1%	10.1%	10.6%	11.2%	11.2%	11.2%	31.4%	31.4%	31.4%	31.4%	**31.4%**	**16.5%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	2,140	58,614	N/A	3,010	3,674	N/A	N/A	122,544	N/A	N/A	N/A	**37,996**	**21,557**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	1,498	41,030	N/A	2,107	2,572	N/A	N/A	85,780	N/A	N/A	N/A	**26,597**	**15,090**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.7	13.0	0.0	1.0	1.2	0.0	0.0	25.3	0.0	0.0	0.0	**41.2**	**46.5**
		Realization Rate Weighted by Measure	0%	100%	100%	0%	100%	100%	0%	0%	100%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.7	13.0	0.0	1.0	1.2	0.0	0.0	25.3	0.0	0.0	0.0	**41.2**	**46.5**
		Net-To-Gross Rate Weighted by Measure	0%	70%	70%	0%	70%	70%	0%	0%	70%	0%	0%	0%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	0.0	-0.2	-3.9	0.0	-0.3	-0.4	0.0	0.0	-7.6	0.0	0.0	0.0	**-12.4**	**-14.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.5	9.1	0.0	0.7	0.8	0.0	0.0	17.7	0.0	0.0	0.0	**28.8**	**32.6**
		Planned Net Savings (kW)	27.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	**57.3**	**234.5**
		Annual % Toward Planned Net Reduction	0%	0.86%	16.8%	16.8%	18.0%	19.5%	19.5%	19.5%	50.4%	50.4%	50.4%	50.4%	**50.4%**	**13.9%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.7	13.0	N/A	1.0	1.2	N/A	N/A	25.3	N/A	N/A	N/A	**8.2**	**3.3**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.5	9.1	N/A	0.7	0.8	N/A	N/A	17.7	N/A	N/A	N/A	**5.8**	**2.3**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.3	5.6	0.0	0.4	0.5	0.0	0.0	10.6	0.0	0.0	0.0	**17.3**	**17.3**
		Realization Rate Weighted by Measure	0%	100%	100%	0%	100%	100%	0%	0%	100%	0%	0%	0%	**100%**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.3	5.6	0.0	0.4	0.5	0.0	0.0	10.6	0.0	0.0	0.0	**17.3**	**17.3**
		Net-To-Gross Rate Weighted by Measure	0%	70%	70%	0%	70%	70%	0%	0%	70%	0%	0%	0%	**70%**	**70%**
		Net-To-Gross Adjustment (kW)	0.0	-0.1	-1.7	0.0	-0.1	-0.1	0.0	0.0	-3.2	0.0	0.0	0.0	**-5.2**	**-5.2**
		Net Adjusted Demand Reduction (kW)	0.0	0.2	3.9	0.0	0.3	0.3	0.0	0.0	7.4	0.0	0.0	0.0	**12.1**	**12.1**
		Planned Net Savings (kW)	27.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	**57.3**	**234.5**
		Annual % Toward Planned Net Reduction	0%	0.34%	7.21%	7.21%	7.69%	8.26%	8.26%	8.26%	21.2%	21.2%	21.2%	21.2%	**21.2%**	**5.17%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.3	5.6	N/A	0.4	0.5	N/A	N/A	10.6	N/A	N/A	N/A	**3.5**	**1.2**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.2	3.9	N/A	0.3	0.3	N/A	N/A	7.4	N/A	N/A	N/A	**2.4**	**0.9**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$580	$584	$699	$569	$540	$598	$667	$728	$780	$824	$872	**$872**	**$858**
		Annual $Admin. per kWh/year (Gross)	N/A	$0.27	$0.02	$0.02	$0.03	$0.03	$0.04	$0.04	$0.02	$0.02	$0.02	$0.02	**$0.02**	**$0.04**
		Annual $Admin. per kW (Gross)	N/A	$827	$85	$102	$116	$136	$150	$167	$88	$95	$100	$106	**$106**	**$258**
		Annual $EM&V per $Total	19.8%	9.6%	8.9%	7.4%	6.1%	11.9%	10.7%	11.3%	8.7%	8.8%	8.4%	8.2%	**8.2%**	**5.1%**
		Annual $Rebate per Participant (Gross)	N/A	$520	$2,613	$2,613	$1,982	$1,695	$1,695	$1,695	$4,237	$4,237	$4,237	$4,237	**$4,237**	**$8,063**

1. A participant is a unique account number.

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L.13 North Carolina Non-Residential Office Program 2020–2021

L.13.1 2020–2021 North Carolina Non-Residential Office Program Annual Indicator Table

NC - Non-Residential Office Program Category	Measure	Indicator	2019 Total	2020 Total	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$0	$1,783	$1,783
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$21,142	$38,028	$59,170
Costs ($)		Planned	$0	$72,457	$71,023	$143,480
Costs ($)		Variance	$0	-$51,316	-$32,995	-$84,311
		Annual % of Planned	N/A	29%	54%	41%
Participants[1]		Total (Gross)	0	0	2	2
		Planned	0	5	5	10
		Variance	0	-5	-3	-8
		Annual % of Planned (Gross)	N/A	0%	40%	20%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	43,444	43,444
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	43,444	43,444
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-4,344	-4,344
		Net Adjusted Savings (kWh/yr)	0	0	39,100	39,100
		Planned Net Savings (kWh/yr)	0	310,240	292,969	603,209
		Annual % Toward Planned Net Savings	N/A	0%	13.3%	6.48%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	21,722	21,722
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	19,550	19,550
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	28.9	8.9	37.8
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.0	0.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	28.9	8.9	37.8
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	$892	$892
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	$0.04	$0.04
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	N/A	39.8%	23.3%	29.2%

1. A participant is a unique account number

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L.13.2 2021 North Carolina Non-Residential Office Program Monthly Indicator Tables

NC - Non-Residential Office Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$118	$55	$106	$417	$55	$247	$49	$92	$428	$103	$49	$64	**$1,783**	**$1,783**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$2,519	$1,172	$2,264	$8,895	$1,172	$5,260	$1,055	$1,956	$9,123	$2,200	$1,055	$1,358	**$38,028**	**$59,170**
Costs ($)		Planned	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	$5,919	**$71,023**	**$143,480**
Costs ($)		Variance	-$3,400	-$4,747	-$3,654	$2,977	-$4,747	-$658	-$4,864	-$3,963	$3,204	-$3,718	-$4,864	-$4,561	**-$32,995**	**-$84,311**
		Annual % of Planned	4%	5%	8%	21%	23%	30%	31%	34%	47%	50%	52%	54%	**54%**	**41%**
Participants[1]		Total (Gross)	0	0	0	1	0	0	0	0	1	0	0	0	**2**	**2**
		Planned	5	0	0	0	0	0	0	0	0	0	0	0	**5**	**10**
		Variance	-5	0	0	1	0	0	0	0	1	0	0	0	**-3**	**-8**
		Annual % of Planned (Gross)	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**40%**	**20%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	21,836	0	0	0	0	21,608	0	0	0	**43,444**	**43,444**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	100%	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	21,836	0	0	0	0	21,608	0	0	0	**43,444**	**43,444**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	90%	N/A	N/A	N/A	N/A	90%	N/A	N/A	N/A	**90%**	**90%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	-2,184	0	0	0	0	-2,161	0	0	0	**-4,344**	**-4,344**
		Net Adjusted Savings (kWh/yr)	0	0	0	19,652	0	0	0	0	19,448	0	0	0	**39,100**	**39,100**
		Planned Net Savings (kWh/yr)	292,969	0	0	0	0	0	0	0	0	0	0	0	**292,969**	**603,209**
		Annual % Toward Planned Net Savings	0%	0%	0%	6.71%	6.71%	6.71%	6.71%	6.71%	13.3%	13.3%	13.3%	13.3%	**13.3%**	**6.48%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	21,836	N/A	N/A	N/A	N/A	21,608	N/A	N/A	N/A	**21,722**	**21,722**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	19,652	N/A	N/A	N/A	N/A	19,448	N/A	N/A	N/A	**19,550**	**19,550**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**8.9**	**37.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.0	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.0	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**8.9**	**37.8**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.0	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	0.0	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	$696	$751	$998	$1,047	$1,139	$783	$835	$860	$892	**$892**	**$892**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	$0.03	$0.03	$0.05	$0.05	$0.05	$0.04	$0.04	$0.04	$0.04	**$0.04**	**$0.04**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	49.9%	34.1%	38.6%	15.5%	14.3%	29.1%	27.7%	29.0%	22.6%	24.1%	23.4%	23.3%	**23.3%**	**29.2%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	$4,209	$4,209	$4,209	$4,209	$4,209	$4,079	$4,079	$4,079	$4,079	**$4,079**	**$4,079**

1. A participant is a unique account number.

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L.14 North Carolina Non-Residential Small Manufacturing Program (DSM Phase VII) 2020–2021

L.14.1 2020–2021 North Carolina Non-Residential Small Manufacturing (DSM Phase VII) Annual Indicator Table

NC - Non-Residential Small Manufacturing Program Category	Measure	Indicator	2019 Total	2020 Total	2021 Total	2019-2021 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$987	$809	$1,795
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$18,987	$17,245	$36,232
Costs ($)		Planned	$0	$77,923	$76,879	$154,803
Costs ($)		Variance	$0	-$58,937	-$59,634	-$118,571
		Annual % of Planned	N/A	24%	22%	23%
Participants[1]		Total (Gross)	0	0	0	0
		Planned	0	4	4	8
		Variance	0	-4	-4	-8
		Annual % of Planned (Gross)	N/A	0%	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0	0
		Planned Net Savings (kWh/yr)	0	201,227	182,761	383,988
		Annual % Toward Planned Net Savings	N/A	0%	0%	0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	43.1	38.5	81.7
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	43.1	38.5	81.7
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A
Measures						
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	N/A	24.4%	17.1%	20.9%
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A

1. A participant is a unique account number

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L.14.2 2021 North Carolina Non-Residential Small Manufacturing (DSM Phase VII) Monthly Indicator Tables

NC - Non-Residential Small Manufacturing Program			2019	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	Total	Total	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate																
O&M ($)		Direct Implementation																
O&M ($)		Direct EM&V																
O&M ($)		Indirect Other (Administrative)	$0	$987	$89	$60	$64	$60	$66	$95	$48	$75	$67	$80	$48	$56	$809	$1,795
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$18,987	$1,896	$1,279	$1,359	$1,279	$1,407	$2,032	$1,023	$1,596	$1,437	$1,715	$1,023	$1,199	$17,245	$36,232
Costs ($)		Planned	$0	$77,923	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$6,407	$76,879	$154,803
Costs ($)		Variance	$0	-$58,937	-$4,510	-$5,128	-$5,048	-$5,128	-$5,000	-$4,374	-$5,383	-$4,811	-$4,970	-$4,692	-$5,383	-$5,208	-$59,634	-$118,571
		Annual % of Planned	N/A	24%	2%	4%	6%	8%	9%	12%	13%	15%	17%	20%	21%	22%	22%	23%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned	0	4	4	0	0	0	0	0	0	0	0	0	0	0	4	8
		Variance	0	-4	-4	0	0	0	0	0	0	0	0	0	0	0	-4	-8
		Annual % of Planned (Gross)	N/A	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned Net Savings (kWh/yr)	0	201,227	182,761	0	0	0	0	0	0	0	0	0	0	0	182,761	383,988
		Annual % Toward Planned Net Savings	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	43.1	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5	81.7
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	43.1	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5	81.7
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measures																		
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Annual $EM&V per $Total	N/A	24.4%	29.6%	17.7%	14.1%	11.0%	8.8%	14.7%	13.2%	16.0%	16.9%	18.8%	17.6%	17.1%	17.1%	20.9%
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1. A participant is a unique account number.

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L.15 North Carolina Non-Residential Window Film Program (DSM Phase VII) 2020–2021

L.15.1 2020–2021 North Carolina Non-Residential Window Film (DSM Phase VII) Annual Indicator Table

NC - Non-Residential Window Film Program			2019	2020	2021	2019-2021
Category	Measure	Indicator	Total	Total	Total	Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)	$0	$968	$917	$1,885
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$0	$18,804	$19,546	$38,350
Costs ($)		Planned	$0	$28,279	$27,121	$55,400
Costs ($)		Variance	$0	-$9,475	-$7,575	-$17,050
		Annual % of Planned	N/A	66%	72%	69%
Participants[1]		Total (Gross)	0	1	1	2
		Total Square Feet	0	1,004	295	1,299
		Planned Square Feet	0	8,079	8,037	16,116
		Variance Square Feet	0	-7,075	-7,742	-14,817
		Annual % of Planned (Gross)	N/A	12%	4%	8%
Square Feet		Total Square Feet	0	1,004	295	1,299
		North Facing	0	254	0	254
		East Facing	0	0	0	0
		West Facing	0	0	0	0
		South Facing	0	750	295	1,045
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	17,430	6	17,436
		Realization Rate Weighted by Measure	N/A	100%	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	17,430	6	17,436
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-3,486	-1	-3,487
		Net Adjusted Savings (kWh/yr)	0	13,944	5	13,948
		Planned Net Savings (kWh/yr)	0	122,615	106,088	228,704
		Annual % Toward Planned Net Savings	N/A	11.4%	0.00%	6.10%
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	17,430	6	8,718
		Avg. Gross Savings Per Square Feet (kWh/yr)	N/A	17.4	0.02	13.4
		Avg. Net Savings Per Participant (kWh/yr)	N/A	13,944	5	6,974
		Avg. Net Savings Per Square Feet (kWh/yr)	N/A	13.9	0.02	10.7
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	4.7	0.0	4.7
		Realization Rate Weighted by Measure	N/A	100%	N/A	100%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	4.7	0.0	4.7
		Net-To-Gross Rate Weighted by Measure	N/A	80%	N/A	80%
		Net-To-Gross Adjustment (kW)	0.0	-0.9	0.0	-0.9
		Net Adjusted Demand Reduction (kW)	0.0	3.7	0.0	3.7
		Planned Net Savings (kW)	0.0	29.9	28.0	57.9
		Annual % Toward Planned Net Reduction	N/A	12.5%	0%	6.43%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	4.7	0.0	2.3
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.005	0.0	0.004
		Avg. Net Demand Reduction Per Participant (kW)	N/A	3.7	0.0	1.9
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.004	0.0	0.003
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0
		Planned Net Savings (kW)	0.0	29.9	28.0	57.9
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Per Participant (kW)	N/A	0.0	0.0	0.0
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.0	0.0	0.0
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	$968	$917	$942
		Annual $Admin. per kWh/year (Gross)	N/A	$0.06	$155.34	$0.11
		Annual $Admin. per kW (Gross)	N/A	$208	N/A	$405
		Annual $EM&V per $Total	N/A	15.3%	20.5%	17.9%

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L.15.2 2021 North Carolina Non-Residential Window Film (DSM Phase VII) Monthly Indicator Tables

NC - Non-Residential Window Film Program			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019-2021
Category	Measure	Indicator	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$87	$55	$60	$55	$55	$177	$55	$81	$81	$96	$55	$60	**$917**	**$1,885**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$1,856	$1,164	$1,281	$1,164	$1,164	$3,783	$1,164	$1,734	$1,733	$2,054	$1,164	$1,284	**$19,546**	**$38,350**
Costs ($)		Planned	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	$2,260	**$27,121**	**$55,400**
Costs ($)		Variance	-$405	-$1,096	-$979	-$1,096	-$1,096	$1,523	-$1,096	-$526	-$527	-$206	-$1,096	-$976	**-$7,575**	**-$17,050**
		Annual % of Planned	7%	11%	16%	20%	24%	38%	43%	49%	55%	63%	67%	72%	**72%**	**69%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	1	0	0	0	**1**	**2**
		Total Square Feet	0	0	0	0	0	0	0	0	295	0	0	0	**295**	**1,299**
		Planned Square Feet	678	669	669	669	669	669	669	669	669	669	669	669	**8,037**	**16,116**
		Variance Square Feet	-678	-669	-669	-669	-669	-669	-669	-669	-374	-669	-669	-669	**-7,742**	**-14,817**
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	44%	0%	0%	0%	**4%**	**8%**
Square Feet		Total Square Feet	0	0	0	0	0	0	0	0	295	0	0	0	**295**	**1,299**
		North Facing	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**254**
		East Facing	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		West Facing	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		South Facing	0	0	0	0	0	0	0	0	295	0	0	0	**295**	**1,045**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	6	0	0	0	**6**	**17,436**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	**100%**	**100%**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	6	0	0	0	**6**	**17,436**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	80%	N/A	N/A	N/A	**80%**	**80%**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	-1	0	0	0	**-1**	**-3,487**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	5	0	0	0	**5**	**13,948**
		Planned Net Savings (kWh/yr)	8,950	8,831	8,831	8,831	8,831	8,831	8,831	8,831	8,831	8,831	8,831	8,831	**106,088**	**228,704**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0.00%	0.00%	0.00%	0.00%	**0.00%**	**6.10%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	N/A	N/A	N/A	**6**	**8,718**
		Avg. Gross Savings Per Square Feet (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.02	N/A	N/A	N/A	**0.02**	**13.4**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	N/A	N/A	N/A	**5**	**6,974**
		Avg. Net Savings Per Square Feet (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.02	N/A	N/A	N/A	**0.02**	**10.7**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**4.7**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**100%**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**4.7**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**80%**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**-0.9**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**3.7**
		Planned Net Savings (kW)	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	**28.0**	**57.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**6.43%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**2.3**
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.004**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**1.9**
		Avg. Net Demand Reduction Square Feet (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.003**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	**28.0**	**57.9**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
		Avg. Gross Demand Reduction Per Square Feet (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
		Avg. Net Demand Reduction Square Feet (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0	N/A	N/A	N/A	**0.0**	**0.0**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$705	$802	$856	$917	**$917**	**$942**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$119.56	$135.89	$145.14	$155.34	**$155.34**	**$0.11**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**$405**
		Annual $EM&V per $Total	34.1%	20.9%	17.3%	13.6%	11.2%	31.1%	28.0%	28.1%	25.7%	23.2%	21.7%	20.5%	**20.5%**	**17.9%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$295	$295	$295	$295	**$295**	**$650**

1. A participant is a unique account number.

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L.16 North Carolina Non-Residential New Construction Program 2021

L.16.1 2021 North Carolina Non-Residential New Construction Program Monthly Indicator Table

NC - Non-Residential New Construction Program Category	Measure	Indicator	2021 JAN	2021 FEB	2021 MAR	2021 APR	2021 MAY	2021 JUN	2021 JUL	2021 AUG	2021 SEP	2021 OCT	2021 NOV	2021 DEC	2021 Total	2020-2021 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)	$0	$0	$0	$148	$148	$89	$148	$156	$289	$18	$133	$140	**$1,270**	**$1,270**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**	**$0**
Costs ($)		Total	$0	$0	$0	$3,161	$3,161	$1,897	$3,161	$3,328	$6,166	$392	$2,845	$2,978	**$27,089**	**$27,089**
Costs ($)		Planned	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	$5,907	**$70,887**	**$70,887**
Costs ($)		Variance	-$5,907	-$5,907	-$5,907	-$2,746	-$2,746	-$4,011	-$2,746	-$2,579	$258	-$5,515	-$3,062	-$2,929	**-$43,798**	**-$43,798**
		Annual % of Planned	0%	0%	0%	4%	9%	12%	16%	21%	29%	30%	34%	38%	**38%**	**38%**
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned	1	0	0	0	0	0	0	0	0	0	0	0	**1**	**1**
		Variance	-1	0	0	0	0	0	0	0	0	0	0	0	**-1**	**-1**
		Annual % of Planned (Gross)	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**0%**	**0%**
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Realization Rate Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
		Planned Net Savings (kWh/yr)	48,833	0	0	0	0	0	0	0	0	0	0	0	**48,833**	**48,833**
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Savings Per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**14.7**	**14.7**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net-To-Gross Rate Weighted by Measure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**N/A**	**N/A**
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
		Planned Net Savings (kW)	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**14.7**	**14.7**
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**	**0%**
		Avg. Gross Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Avg. Net Demand Reduction Per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
Program Perfomance		Annual $Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**
		Annual $EM&V per $Total	N/A	N/A	N/A	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	5.3%	4.7%	4.6%	**4.6%**	**4.6%**
		Annual $Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**	**N/A**

1. A participant is a work order

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L.17 North Carolina Residential Smart Cooling Rewards Program Annual Indicator Tables 2011-2021

L.17.1 2020–2021 North Carolina Residential Smart Cooling Rewards Program Annual Indicator Tables

NC - Residential AC Cycling Program Category	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2011-2021 Program Total
O&M ($)	Direct Rebate												
O&M ($)	Direct Implementation												
O&M ($)	Direct EM&V												
O&M ($)	Indirect Other (Administrative)	$20,344	$16,948	$28,964	$13,341	$6,734	$7,646	$9,349	$13,272	$9,722	$11,806	$9,310	$147,436
Capital ($)	Direct Implementation												
Costs ($)	Total	$269,383	$696,052	$440,722	$441,315	$315,550	$279,602	$238,761	$239,609	$244,525	$223,870	$198,710	$3,588,100
Costs ($)	Planned	$403,525	$800,702	$662,709	$609,423	$649,694	$549,799	$584,160	$453,453	$484,114	$497,320	$288,782	$5,983,680
Costs ($)	Variance	-$134,142	-$104,650	-$221,987	-$168,108	-$334,143	-$270,197	-$345,400	-$213,844	-$239,589	-$273,449	-$90,071	-$2,395,580
	Cum. % toward planned total	67%	87%	67%	72%	49%	51%	41%	53%	51%	45%	69%	60%
Participants	Total (Cumulative @ End of Month)	1,003	2,853	4,144	5,260	5,631	5,863	5,891	5,969	6,247	6,279	6,287	6,287
	Removals (Uninstalled) / Deactivations	-1	-260	-608	-1,082	-1,711	-2,143	-2,285	-2,901	-3,186	-3,489	-3,807	-3,807
	Opt-outs	9	1	1	1	4	13	1	1	1	1		4
	Adjusted Participants (Cum.)	993	2,592	3,535	4,177	3,916	3,707	3,605	3,067	3,060	2,789	2,480	2,476
0%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-40	104	-141	-167	0	0	0	0	0	0	0	0
	Net Participation (Cum.)	953	2,489	3,394	4,010	3,916	3,707	3,605	3,067	3,061	2,790	2,480	2,476
	Planned (Cum.)	1,230	3,198	5,090	6,094	4,840	3,920	5,963	4,733	4,235	4,235	4,275	4,275
	Variance (Cum.)	-277	-720	-1,696	-2,084	-924	1,943	-2,358	-1,666	-1,174	-1,445	-1,795	-1,799
	Cum % toward planned total (Net basis)	77.5%	77.5%	66.7%	65.8%	80.9%	94.6%	60%	65%	72%	66%	58.0%	57.9%
	Removal (Uninstalled) / Deactivation Rate	-0.02%	-0.8%	-1.03%	-1.06%	-1.30%	-0.94%	-0.33%	-1.58%	-1.28%	-1.64%	-1.01%	-1.06%
	Average % Opt-outs (rate)	0.9%	0.03%	0.02%	0.02%	0.09%	0.36%	0.03%	0.03%	0.03%	0.03%	0.01%	0.14%
	Realization Rate	111%	99%	78%	93%	100%	100%	100%	100%	100%	100%	100%	98%
	Connected load	2,084	11,398	12,957	15,572	15,654	14,187	13,419	12,069	11,479	11,267	10,160	12,387
	Ex-Ante kW estimates	1.00	1.09	0.95	0.78	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.77
	Connected Load per Participant	2.19	4.58	3.82	3.88	4.00	3.83	3.72	3.94	3.75	4.04	4.10	3.80
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	1,103.3	3,138.3	4,558.4	4,076.5	3,998.0	5,687.1	4,005.9	3,744.9	3,910.6	3,980.1	3,353.4	3,353.4
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Pote	-1.0	-286.0	-668.8	-838.6	-1,214.8	-2,078.7	-1,553.8	-1,820.1	-1,994.4	-2,211.6	-2,030.6	-2,030.6
	Less Opt-outs (kW)	10.0	1.0	0.8	0.6	2.5	13.0	0.8	0.7	0.7	0.6	0.1	1.9
	Dispatchable Summer Peak Shaving Potential - Total kW	1,092	2,851	3,889	2,924	2,781	3,595	2,451	1,925	1,916	1,769	1,323	1,321
0%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0
96%	In Service Rate Adjustment (Cum.)	-44	114	-156	-117	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	115	16	-815	-211	0	0	0	0	0	0	0	0
	Net Summer Demand (Cum.)	1,164	2,721	2,918	2,597	2,781	3,595	2,451	1,925	1,916	1,769	1,323	1,323
	Planned Summer Demand (Cum.)	1,168	3,032	4,830	5,814	4,840	4,157	5,392	3,220	2,664	2,664	2,280	2,280
	Cum. % toward planned total (Net basis)	100%	90%	60%	45%	57%	86%	45%	60%	72%	66%	58%	58%
	Dispatchable Peak Shaving Summer Potential kW per Participan	1.22	1.09	0.86	0.65	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.53
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants											0.00	
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW											0.00	
	Less Opt-outs (kW)											0.00	
	Dispatchable Winter Peak Shaving Potential - Total kW											0.00	
0%	Less Free Ridership Factor (Cum.)											0.00	
96%	In Service Rate Adjustment (Cum.)											0.00	
	Adjustment for Realization Rate											0.00	
	Net Winter Demand (Cum.)											0.00	
	Planned Winter Demand (Cum.)											0.00	
	Cum. % toward planned total (Net basis)											-	
	Dispatchable Winter Peak Shaving Potential kW per Participant											0.00	
Program Performance	Cum. $Admin. per Cum. Participant	$20	$13	$16	$15	$15	$16	$18	$20	$20	$22	$23	$21
	Cum. $Admin. per Cum. Gross kW	$18	$12	$15	$21	$22	$17	$26	$31	$32	$35	$44	$41
	Cum. $EM&V per Cum. $Total	1%	1%	1%	1%	1%	2%	2%	2%	2%	2%	3%	2%
	Cum. $Rebate per Cum. Participant	$1	$36	$55	$74	$96	$116	$140	$158	$170	$188	$202	$188

1. A participant is a unique account number.

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L.17.2 2021 North Carolina Residential Smart Cooling Rewards Program Monthly Indicator Tables

NC - Residential AC Cycling Program Category	Indicator	2021 Jan	2021 Feb	2021 Mar	2021 April	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2021 Total	2011-2021 Program Total
O&M ($)	Direct Rebate														
O&M ($)	Direct Implementation														
O&M ($)	Direct EM&V														
O&M ($)	Indirect Other (Administrative)	$576	$377	$281	$611	$381	$1,944	$1,686	$1,773	$1,039	$349	-$43	$337	**$9,310**	**$147,436**
Capital ($)	Direct Implementation	$0	$0	$0	$75	$0	$0	$0	$75	$0	$0	$0	$0	**$150**	**$862,424**
Costs ($)	Total	$12,283	$8,050	$5,985	$13,113	$8,123	$41,465	$35,948	$37,879	$22,165	$7,440	-$918	$7,178	**$198,710**	**$3,588,100**
Costs ($)	Planned	$11,551	$11,551	$11,551	$11,551	$11,551	$49,093	$49,093	$49,093	$49,093	$11,551	$11,551	$11,551	**$288,782**	**$5,983,680**
Costs ($)	Variance	$732	-$3,502	-$5,566	$1,561	-$3,428	-$7,628	-$13,145	-$11,214	-$26,928	-$4,111	-$12,469	-$4,374	**-$90,071**	**-$2,395,580**
	Cum. % toward planned total	4%	7%	9%	14%	16%	31%	43%	56%	64%	67%	66%	69%	**69%**	**60%**
Participants	Total (Cumulative @ End of Month)	6,279	6,279	6,280	6,282	6,282	6,283	6,284	6,285	6,286	6,287	6,287	6,287	**6,287**	**6,287**
	Removals (Uninstalled) / Deactivations	-3,507	-3,527	-3,543	-3,558	-3,599	-3,631	-3,694	-3,725	-3,767	-3,784	-3,791	-3,807	**-3,807**	**-3,807**
	Opt-outs														**4**
	Adjusted Participants (Cum.)	2,772	2,752	2,737	2,724	2,683	2,652	2,590	2,560	2,519	2,503	2,496	2,480	**2,480**	**2,476**
0%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
96%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
	Net Participation (Cum.)	2,772	2,752	2,737	2,724	2,683	2,652	2,590	2,560	2,519	2,503	2,496	2,480	**2,480**	**2,476**
	Planned (Cum.)	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	4,275	**4,275**	**4,275**
	Variance (Cum.)	-1,503	-1,523	-1,538	-1,551	-1,592	-1,623	-1,685	-1,715	-1,756	-1,772	-1,779	-1,795	**-1,795**	**-1,799**
	Cum % toward planned total (Net basis)	64.8%	64.4%	64.0%	63.7%	62.8%	62.0%	60.6%	59.9%	58.9%	58.5%	58.4%	58.0%	**58.0%**	**57.9%**
	Removal (Uninstalled) / Deactivation Rate	-0.65%	-0.73%	-0.58%	-0.55%	-1.53%	-1.21%	-2.43%	-1.21%	-1.67%	-0.68%	-0.28%	-0.65%	**-1.01%**	**-1.06%**
	Average % Opt-outs (rate)	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	**0.01%**	**0.14%**
	Realization Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**	**98%**
	Connected load	10,745	10,687	10,653	10,499	10,369	10,141	10,001	9,863	9,807	9,772	9,719	9,665	**10,160**	**12,387**
	Ex-Ante kW estimates	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	**0.53**	**0.77**
	Connected Load per Participant	3.88	3.88	3.89	3.85	3.86	3.82	3.86	3.85	3.89	3.90	3.89	3.90	**4.10**	**3.80**
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	3,349.1	3,349.1	3,349.7	3,350.7	3,350.7	3,351.3	3,351.8	3,352.3	3,352.9	3,353.4	3,353.4	3,353.4	**3,353.4**	**3,353.4**
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	-1,870.6	-1,881.3	-1,889.8	-1,897.8	-1,919.7	-1,936.7	-1,970.3	-1,986.9	-2,009.3	-2,018.3	-2,022.1	-2,030.6	**-2,030.6**	**-2,030.6**
	Less Opt-outs (kW)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	**1.9**
	Dispatchable Summer Peak Shaving Potential - Total kW	1,479	1,468	1,460	1,453	1,431	1,415	1,381	1,365	1,344	1,335	1,331	1,323	**1,323**	**1,321**
0%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
96%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
	Adjustment for Realization Rate	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**
	Net Summer Demand (Cum.)	1,479	1,468	1,460	1,453	1,431	1,415	1,381	1,365	1,344	1,335	1,331	1,323	**1,323**	**1,323**
	Planned Summer Demand (Cum.)	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	**2,280**	**2,280**
	Cum. % toward planned total (Net basis)	65%	64%	64%	64%	63%	62%	61%	60%	59%	59%	58%	58%	**58%**	**58%**
	Dispatchable Peak Shaving Summer Potential kW per Participant	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	**0.53**	**0.53**
Winter kW Potential	Winter Peak Shaving Potential kW - Gross Participants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Removed (Uninstalled) / Deactivated Winter Peak Shaving Potential kW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Less Opt-outs (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Dispatchable Winter Peak Shaving Potential - Total kW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
0%	Less Free Ridership Factor (Cum.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
96%	In Service Rate Adjustment (Cum.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Adjustment for Realization Rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Net Winter Demand (Cum.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Planned Winter Demand (Cum.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
	Cum. % toward planned total (Net basis)	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dispatchable Winter Peak Shaving Potential kW per Participant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	
Program Performance	Cum. $Admin. per Cum. Participant	$22	$22	$22	$22	$22	$23	$23	$23	$23	$23	$23	$23	**$23**	**$21**
	Cum. $Admin. per Cum. Gross kW	$41	$42	$42	$42	$42	$42	$43	$43	$44	$44	$44	$44	**$44**	**$41**
	Cum. $EM&V per Cum. $Total	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	**3%**	**2%**
	Cum. $Rebate per Cum. Participant	$188	$188	$188	$188	$188	$192	$196	$201	$203	$203	$202	$202	**$202**	**$188**

1. A participant is a unique account number.

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L.18 North Carolina Residential Thermostat Rewards Program 2021

L.18.1 2020–2021 North Carolina Residential Thermostat Rewards Program Annual Indicator Tables

NC - Residential Smart Thermostat Demand Response		2020	2021	2020-2021
Category	Indicator	Total	Total	
O&M ($)	Direct Rebate			
O&M ($)	Direct Implementation			
O&M ($)	Direct EM&V			
O&M ($)	Indirect Other (Administrative)	$0	$860	$860
Capital ($)	Direct Implementation			
Costs ($)	Total	$0	$18,350	$18,350
Costs ($)	Planned	$0	$95,307	$95,307
Costs ($)	Variance	$0	-$76,957	-$76,957
	Cum. % toward planned total	N/A	19%	19%
Participants	Total (Cumulative @ End of Month)	0	86	86
	Removals (Uninstalled) / Deactivations	0	15	15
	Opt-outs	0	0	0
	Behavioral Particpants (For informational purposes only)	0	45	45
	Adjusted Participants (Cum.)	0	71	71
95%	Net to gross adjustment (Cum.)	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0
	Net Participation (Cum.)	0	71	71
	Planned (Cum.)	0	831	831
	Variance (Cum.)	0	-760	-760
	Cum % toward planned total (Net basis)	0	9%	9%
	Removal (Uninstalled) / Deactivation Rate	0	17%	17%
	Average % Opt-outs (rate)	0	0.00%	0
	Ex-Ante Estimated kW	0.00	1.07	1.07
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	0	91.59	92
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential k	0	15.98	16
	Less Opt-outs (kW)	0	0	0
	Dispatchable Summer Peak Shaving Potential - Total kW	0	75.62	76
95%	Less Free Ridership Factor (Cum.)	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0
	Adjustment for Realization Rate	0	0	0
	Net Demand (Cum.)	0	76	76
	Planned Summer Demand (Cum.)	0	1,255	1,255
	Cum. % toward planned total (Net basis)	0%	6%	6%
	Dispatchable Summer Peak Shaving Potential kW per Participant	0.00	1.07	1.07
kW Potential	Peak Shaving Potential kW - Gross Participants	0	0	0
	Removed (Uninstalled) / Deactivated Peak Shaving Potential kW	0	0	0
	Less Opt-outs (kW)	0	0	0
	Dispatchable Peak Shaving Potential - Total kW	0	0	0
95%	Less Free Ridership Factor (Cum.)	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0
	Adjustment for Realization Rate	0	0	0
	Net Demand (Cum.)	0	0	0
	Planned Demand (Cum.)	0	0	0
	Cum. % toward planned total (Net basis)	0%	0%	0%
	Dispatchable Peak Shaving Potential kW per Participant	0.00	0.00	0.00
Program	Cum. $Admin. per Cum. Participant	N/A	10.01	10.01
Performance	Cum. $Admin. per Cum. Gross kW	N/A	9.39	9.39
	Cum. $EM&V per Cum. $Total	N/A	9%	7%
	Cum. $Rebate per Cum. Participant	N/A	18.37	18.37

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L.18.2 2021 North Carolina Residential Thermostat Rewards Program Monthly Indicator Tables

NC - Residential Smart Thermostat Demand Response		2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2020-2021
Category	Indicator	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
O&M ($)	Direct Rebate															
O&M ($)	Direct Implementation															
O&M ($)	Direct EM&V															
O&M ($)	Indirect Other (Administrative)	$0	$0	$0	$0	$65	$60	$65	$76	$77	$85	$103	$65	$265	$860	$860
Capital ($)	Direct Implementation															
Costs ($)	Total	$0	$0	$0	$0	$1,382	$1,281	$1,382	$1,627	$1,632	$1,821	$2,190	$1,378	$5,657	$18,350	$18,350
Costs ($)	Planned	$0	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$7,942	$95,307	$95,307
Costs ($)	Variance	$0	-$7,942	-$7,942	-$7,942	-$6,560	-$6,662	-$6,560	-$6,315	-$6,310	-$6,121	-$5,752	-$6,564	-$2,285	-$76,957	-$76,957
	Cum. % toward planned total	N/A	0%	0%	0%	1%	3%	4%	6%	8%	10%	12%	13%	19%	19%	19%
Participants	Total (Cumulative @ End of Month)	0	0	0	0	0	18	44	58	62	64	70	77	86	86	86
	Removals (Uninstalled) / Deactivations	0	0	0	0	0	0	2	11	13	13	14	15	15	15	15
	Opt-outs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Behavioral Particpants (For informational purposes only)	0	0	0	0	0	2	20	6	2	1	4	3	7	45	45
	Adjusted Participants (Cum.)	0	0	0	0	0	18	42	47	49	51	56	62	71	71	71
95%	Net to gross adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Participation (Cum.)	0	0	0	0	0	18	42	47	49	51	56	62	71	71	71
	Planned (Cum.)	0	72	141	210	279	348	417	486	555	624	693	762	831	831	831
	Variance (Cum.)	0	-72	-141	-210	-279	-330	-375	-439	-506	-573	-637	-700	-760	-760	-760
	Cum % toward planned total (Net basis)	0	0%	0%	0%	0%	5%	10%	10%	9%	8%	8%	8%	9%	9%	9%
	Removal (Uninstalled) / Deactivation Rate	0	N/A	N/A	N/A	N/A	0%	5%	19%	21%	20%	20%	19%	17%	17%	17%
	Average % Opt-outs (rate)	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0
	Ex-Ante Estimated kW	0.00	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Summer kW Potential	Summer Peak Shaving Potential kW - Gross Participants	0	0	0	0	0	19	47	62	66	68	75	82	92	91.59	92
	Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential	0	0	0	0	0	0	2	12	14	14	15	16	16	15.98	16
	Less Opt-outs (kW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dispatchable Summer Peak Shaving Potential - Total kW	0	0	0	0	0	19	45	50	52	54	60	66	76	75.62	76
95%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Demand (Cum.)	0	0	0	0	0	19	45	50	52	54	60	66	76	76	76
	Planned Summer Demand (Cum.)	0	108.8	213	317	421	526	630	734	838	942	1,047	1,151	1,255	1,255	1,255
	Cum. % toward planned total (Net basis)	0%	0%	0%	0%	0%	4%	7%	7%	6%	6%	6%	6%	6%	6%	6%
	Dispatchable Summer Peak Shaving Potential kW per Participant	0.00	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
kW Potential	Peak Shaving Potential kW - Gross Participants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Removed (Uninstalled) / Deactivated Peak Shaving Potential kW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Less Opt-outs (kW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dispatchable Peak Shaving Potential - Total kW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95%	Less Free Ridership Factor (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100%	In Service Rate Adjustment (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Adjustment for Realization Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Net Demand (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Planned Demand (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cum. % toward planned total (Net basis)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Dispatchable Peak Shaving Potential kW per Participant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Program	Cum. $Admin. per Cum. Participant	N/A	N/A	N/A	N/A	N/A	3.34	1.47	1.32	1.23	1.33	1.47	0.84	3.08	10.01	10.01
Performance	Cum. $Admin. per Cum. Gross kW	N/A	N/A	N/A	N/A	N/A	3.13	1.38	1.23	1.16	1.25	1.38	0.79	2.90	9.39	9.39
	Cum. $EM&V per Cum. $Total	N/A	N/A	N/A	N/A	N/A	0%	0%	0%	0%	26%	37%	0%	7%	9%	7%
	Cum. $Rebate per Cum. Participant	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	18.37	18.37	18.37

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L.19 North Carolina Residential Lighting Program 2011–2012

NC- Residential Lighting Program Category	Indicator	2011 Total	2012 Total	2011-2012 Program Total
O&M($)	Direct Rebate			
O&M($)	Direct Implementation			
O&M($)	Direct EM&V			
O&M($)	Indirect Other (Administrative)	$5,847	$1,066	$6,913
Costs ($)	Total	$77,419	$9,705	$87,124
Costs ($)	Planned	$125,612	$20,779	$146,391
Costs ($)	Variance	-$48,193	-$11,074	-$59,267
	Cum. % toward planned total	61.6%	46.7%	59.5%
Participants	Total bulbs (Gross)	37,120	0	37,120
	Planned (Gross)	127,975		127,975
	Variance	-90,855	0	-90,855
	Cum % toward planned total (Gross)	29.0%		29.0%
Installed kWh/year	Total (Gross)	1,882,829	0	1,882,829
84%	Realization Rate Adjustment	-301,253	0	-301,253
	Adjusted Gross Savings	1,581,577	0	1,581,577
65%	Net-To-Gross Adjustment	-553,552	0	-553,552
	Net Adjusted Savings	1,028,025	0	1,028,025
	Planned (Net)	3,585,903		3,585,903
	Cum. % toward planned total (Net)	28.7%		28.7%
	Avg. per Bulb (Net)	28		28
Installed kW	Total (Gross)	205	0	205
84%	Realization Rate Adjustment	-33	0	-33
	Adjusted Gross Demand	172	0	172
65%	Net-To-Gross Adjustment	-60	0	-60
	Net Adjusted Demand	112	0	112
	Planned (Net)	298		298
	Cum. % toward planned total (Net)	37.5%		37.5%
	Avg. per Bulb (Net)	0.003		0.003
Program Performance	Cum. $Admin. per Cum. Bulb (Gross)	$0.2		$0.2
	Cum. $Admin. per Cum. kWh (Gross)	$0.00		$0.00
	Cum. $Admin. per Cum. kW (Gross)	$29		$34
	Cum. $EM&V per Cum Total Costs ($)	3.7%	17.4%	5.2%
	Cum. $Rebate per Cum. Bulb (Gross)	$1		$1

1. Program closed end of 2012.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

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L.20 North Carolina Residential Low-income Program 2011–2015

NC- Residential Low-income Program Category	Indicator	2011* Total	2012 Total	2013 Total	2014 Total	2015 Total	2011-2015 Program Total
O&M ($)	Direct Rebate						
O&M ($)	Direct Implementation						
O&M ($)	Direct EM&V						
O&M ($)	Indirect Other (Administrative)	$20,601	$22,730	$15,525	$9,060	$24,980	$92,895
Costs ($)	Total	$260,176	$193,154	$164,591	$175,888	$800,616	$1,594,425
Costs ($)	Planned	$296,979	$540,333	$229,609	$195,488	$1,041,930	$2,304,338
Costs ($)	Variance	-$36,803	-$347,179	-$65,018	-$19,599	-$241,314	-$709,913
	Cum. % toward planned total	87.6%	35.7%	71.7%	90.0%	76.8%	69.2%
	Audits	207	156	120	120	647	1,250
Participants	Total (Gross)	207	156	120	120	653	1,256
	Planned (Gross)	325	519	33	132	600	1,609
	Variance	-118	-363	87	-12	53	-353
	Cum % toward planned total (Gross)	63.7%	30.1%	363.6%	90.9%	108.8%	78.1%
Installed kWh/year	Total Gross Deemed Savings	200,471	183,162	106,895	102,596	537,503	1,130,626
62%	Realization Rate Adjustment	-106,249	-97,076	-26,724	-38,986	-204,251	-473,286
	Adjusted Gross Savings	94,221	86,086	80,171	63,609	333,252	657,340
93.6%	Net-To-Gross Adjustment	-6,030	-5,510	-5,131	-4,071	-21,328	-42,070
	Net Adjusted Savings	88,191	80,576	75,040	59,538	311,924	615,270
	Planned Savings (Net)	134,347	195,653	85,480	106,694	1,170,600	1,692,774
	Cum. % Toward Planned Savings (Net)	65.6%	41.2%	87.8%	55.8%	26.6%	36.3%
	Avg. Savings Per Participant (Net)	426	517	625	496	478	490
Installed kW	Total Gross Deemed Demand	61	36	27	23	128	275
62%	Realization Rate Adjustment	-32.3	-19.2	-6.7	-8.7	-48.5	-115
	Adjusted Gross Demand	29	17	20	14	79	159
93.6%	Net-To-Gross Adjustment	-2	-1	-1	-1	-5	-10
	Net Adjusted Demand	27	16	19	13	74	149
	Planned Demand (Net)	23	38	16	16	55	148
	Cum. % Toward Planned Demand (Net)	116.6%	41.9%	117.4%	83.2%	135.7%	100.9%
	Avg. Demand Per Participant (Net)	0.1	0.1	0.2	0.1	0.1	0.1
Program Performance	Cum. $Admin. per Cum. Participant (Gross)	$100	$146	$129	$76	$38	$74
	Cum. $Admin. per Cum. kWh (Gross)	$0.10	$0.12	$0.15	$0.09	$0.05	$0.08
	Cum. $Admin. per Cum. kW (Gross)	$338	$627	$580	$395	$196	$338
	Cum. $EM&V per Cum Total Costs ($)	2.3%	2.7%	4.7%	3.0%	0.4%	1.7%
	Cum. $Rebate per Cum. Participant (Gross)	$1,067	$989	$1,011	$1,043	$1,090	$1,062

1. Program closed end of 2015.

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L.21 North Carolina Residential Heat Pump Tune-up Program 2014–2017

NC - Residential Heat Pump Tune-Up Program Category	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Program Total
O&M($)	Direct Rebate					
O&M($)	Direct Implementation					
O&M($)	Direct EM&V					
O&M($)	Indirect Other (Administrative)	$3,186	$15,540	$6,321	$2,018	$27,065
Costs ($)	Total	$99,944	$467,762	$207,995	$51,288	$826,988
Costs ($)	Planned	$395,676	$439,770	$461,312	$54,112	$1,350,870
Costs ($)	Variance	-$295,732	$27,992	-$253,318	-$2,825	-$523,882
	Annual % of Planned	25%	106%	45%	95%	61%
Participants[1]	Total (Gross)	581	3,307	1,274	125	5,287
	Planned (Gross)	2,777	2,777	1,542	0	7,096
	Variance	-2,196	530	-268	125	-1,809
	Annual % of Planned (Gross)	21%	119%	83%		75%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	154,857	843,691	322,679	32,050	1,353,277
99%	Realization Rate Adjustment (kWh/yr)	-1,239	-6,750	-2,581	-256	-10,826
	Realization Rate Adjusted Savings (kWh/yr)	153,618	836,942	320,098	31,793	1,342,451
90%	Net-To-Gross Adjustment (kWh/yr)	-15,362	-83,694	-32,010	-3,179	-134,245
	Net Adjusted Savings (kWh/yr)	138,256	753,248	288,088	28,614	1,208,206
	Planned Net Savings (kWh/yr)	2,116,074	2,116,074	174,326	0	4,406,474
	Annual % Toward Planned Net Savings (kWh)	7%	36%	165%		27%
	Avg. Gross Savings Per Participant (kWh/yr)	267	255	253	256	256
	Avg. Net Savings Per Participant (kWh/yr)	238	228	226	229	229
Installed kW	Total Gross Demand Reduction (kW)	80	625	241	25	971
99%	Realization Rate Adjustment (kW)	-1	-5	-2	0	-8
	Realization Rate Adjusted Gross Demand Reduction(kW)	79	620	239	25	963
90%	Net-To-Gross Adjustment (kW)	-8	-62	-24	-2	-96
	Net Adjusted Demand Reduction (kW)	71	558	215	22	867
	Planned Net Demand Reduction (kW)	639	639	58	0	1,336
	Annual % Toward Planned Net Reduction (kW)	11%	87%	368%		65%
	Avg. Gross Demand Reduction Per Participant (kW)	0.14	0.19	0.19	0.20	0.18
	Avg. Net Demand Reduction Per Participant (kW)	0.12	0.17	0.17	0.18	0.16
Program Performance	Annual $Admin. per Participant (Gross)	$5	$5	$5	$16	$5
	Annual $Admin. per kWh/year (Gross)	$0.02	$0.02	$0.02	$0.06	$0.02
	Annual $Admin. per kW (Gross)	$40	$25	$26	$81	$28
	Annual $EM&V per $Total	6%	1%	3%	8%	3%
	Annual $Rebate per Participant (Gross)	$90	$90	$89	$90	$90

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

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L.22 North Carolina Residential Heat Pump Upgrade Program 2014–2017

NC - Residential Heat Pump Upgrade Program Category	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Program Total
O&M ($)	Direct Rebate					
O&M ($)	Direct Implementation					
O&M ($)	Direct EM&V					
O&M ($)	Indirect Other (Administrative)	$1,847	$7,845	$8,235	$2,527	$20,454
Costs ($)	Total	$47,447	$269,195	$270,955	$64,223	$651,821
Costs ($)	Planned	$350,500	$383,960	$424,079	$33,581	$1,192,119
Costs ($)	Variance	-$303,052	-$114,764	-$153,124	$30,643	-$540,298
	Annual % of Planned	14%	70%	64%	191%	55%
Participants[1]	Total (Gross)	44	597	665	118	1,424
	Planned (Gross)	1,200	1,200	252	0	2,652
	Variance	-1,156	-603	413	118	-1,228
	Annual % of Planned (Gross)	4%	50%	264%		54%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	72,449	282,170	317,574	63,092	735,286
78%	Realization Rate Adjustment (kWh/yr)	4,854	-63,206	-71,137	-14,133	-143,621
	Realization Rate Adjusted Savings (kWh/yr)	77,303	218,964	246,438	48,960	591,665
45%	Net-To-Gross Adjustment (kWh/yr)	-11,595	-120,211	-135,294	-26,879	-293,980
	Net Adjusted Savings (kWh/yr)	65,708	98,753	111,143	22,081	297,685
	Planned Net Savings (kWh/yr)	1,038,000	1,038,000	49,858	0	2,125,858
	Annual % Toward Planned Net Savings (kWh)	6%	10%	223%		14%
	Avg. Gross Savings Per Participant (kWh/yr)	1,647	473	478	535	516
	Avg. Net Savings Per Participant (kWh/yr)	1,493	165	167	187	209
Installed kW	Total Gross Demand Reduction (kW)	19	58	69	14	160
89%	Realization Rate Adjustment (kW)	-3	-6	-8	-2	-19
	Realization Rate Adjusted Gross Demand Reduction(kW)	16	51	61	13	141
45%	Net-To-Gross Adjustment (kW)	-2	-28	-33	-7	-71
	Net Adjusted Demand Reduction (kW)	14	23	27	6	70
	Planned Net Demand Reduction (kW)	348	348	18	0	714
	Annual % Toward Planned Net Reduction (kW)	4%	7%	153%		10%
	Avg. Gross Demand Reduction Per Participant (kW)	0.44	0.10	0.10	0.12	0.11
	Avg. Net Demand Reduction Per Participant (kW)	0.31	0.04	0.04	0.05	0.05
Program Performance	Annual $Admin. per Participant (Gross)	$42	$13	$12	$21	$14
	Annual $Admin. per kWh/year (Gross)	$0.03	$0.03	$0.03	$0.04	$0.03
	Annual $Admin. per kW (Gross)	$96	$136	$120	$174	$127.89
	Annual $EM&V per $Total	34%	11%	7%	14%	12%
	Annual $Rebate per Participant (Gross)	$223	$212	$222	$225	$218

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.
3. Realization Rate Adjustment occurred in 2015. Prior to 2012–2014 kWh realization rate was 106.7%, kW realization rate was 83.1%, and Net to Gross rate was 85%. From the start of 2015 forward kWh realization rate was 78%, kW realization rate was 89%, and Net to Gross rate was 45%.

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L.23 North Carolina Residential Duct Sealing Program 2014–2017

NC - Residential Duct Sealing Program Category	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 ProgramTotal
O&M ($)	Direct Rebate					
O&M ($)	Direct Implementation					
O&M ($)	Direct EM&V					
O&M ($)	Indirect Other (Administrative)	$951	$3,700	$4,363	$690	$9,704
Costs ($)	Total	$21,105	$102,470	$143,554	$17,533	$284,662
Costs ($)	Planned	$115,655	$110,723	$118,580	$18,338	$363,296
Costs ($)	Variance	-$94,550	-$8,253	$24,974	-$805	-$78,634
	Annual % of Planned	18%	93%	121%	96%	78%
Participants[1]	Total (Gross)	0	323	217	14	554
	Planned (Gross)	346	346	101	0	793
	Variance	-346	-23	116	14	-239
	Annual % of Planned (Gross)	0%	93%	215%		70%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	0	201,495	129,136	8,003	338,633
49%	Realization Rate Adjustment (kWh/yr)	0	-101,956	-65,343	-4,049	-171,348
	Realization Rate Adjusted Savings (kWh/yr)	0	99,538	63,793	3,953	167,285
80%	Net-To-Gross Adjustment (kWh/yr)	0	-19,908	-12,759	-791	-33,457
	Net Adjusted Savings (kWh/yr)	0	79,631	51,034	3,163	133,828
	Planned Net Savings (kWh/yr)	181,304	181,304	12,013	0	374,621
	Annual % Toward Planned Net Savings (kWh)	0%	44%	425%		36%
	Avg. Gross Savings Per Participant (kWh/yr)		624	595	572	611
	Avg. Net Savings Per Participant (kWh/yr)		247	235	226	242
Installed kW	Total Gross Demand Reduction (kW)	0	148	95	6	249
43%	Realization Rate Adjustment (kW)	0	-85	-55	-3	-143
	Realization Rate Adjusted Gross Demand Reduction(kW)	0	63	40	2	106
80%	Net-To-Gross Adjustment (kW)	0	-13	-8	0	-21
	Net Adjusted Demand Reduction (kW)	0	50	32	2	85
	Planned Net Demand Reduction (kW)	114	114	4	0	232
	Annual % Toward Planned Net Reduction (kW)	0%	44%	802%		36%
	Avg. Gross Demand Reduction Per Participant (kW)		0.46	0.44	0.42	0.45
	Avg. Net Demand Reduction Per Participant (kW)		0.16	0.15	0.14	0.15
Program Performance	Annual $Admin. per Participant (Gross)		$11	$20	$49	$18
	Annual $Admin. per kWh/year (Gross)		$0.02	$0.03	$0.09	$0.03
	Annual $Admin. per kW (Gross)		$25	$46	$117	$39
	Annual $EM&V per $Total	41%	5%	5%	25%	9%
	Annual $Rebate per Participant (Gross)		$125	$125	$125	$125

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

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L.24 North Carolina Residential Home Energy Check-up Program 2014–2017

NC - Residential Home Energy Check-Up Program		2014	2015	2016	2017	2014-2017
Category	Indicator	Total	Total	Total	Total[2]	Program Total
O&M($)	Direct Rebate					
O&M($)	Direct Implementation					
O&M($)	Direct EM&V					
O&M($)	Indirect Other (Administrative)	$654	$11,982	$658	$1,086	$14,380
Costs ($)	Total	$14,345	$351,877	$21,660	$27,588	$415,470
Costs ($)	Planned	$86,513	$92,939	$98,144	$60,535	$338,131
Costs ($)	Variance	-$72,168	$258,938	-$76,484	-$32,946	$77,339
	Annual % of Planned	17%	379%	44%	46%	123%
Participants[1]	Total (Gross)	0	996	4	49	1,049
	Planned (Gross)	160	160	881	0	1,201
	Variance	-160	836	-877	49	-152
	Annual % of Planned (Gross)	0%	623%	0%		87%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	0	593,172	1,495	35,051	629,718
154%	Realization Rate Adjustment (kWh/yr)	0	317,347	800	18,752	336,899
	Realization Rate Adjusted Savings (kWh/yr)	0	910,520	2,294	53,803	966,617
82%	Net-To-Gross Adjustment (kWh/yr)	0	-164,804	-415	-9,738	-174,958
	Net Adjusted Savings (kWh/yr)	0	745,716	1,879	44,065	791,659
	Planned Net Savings (kWh/yr)	162,720	162,720	308,536	0	633,976
	Annual % Toward Planned Net Savings (kWh)	0%	458%	1%		125%
	Avg. Gross Savings Per Participant (kWh/yr)		596	374	715	600
	Avg. Net Savings Per Participant (kWh/yr)		749	470	899	755
Installed kW	Total Gross Demand Reduction (kW)	0	52	0	2	55
154%	Realization Rate Adjustment (kW)	0	28	0	1	29
	Realization Rate Adjusted Gross Demand Reduction(kW)	0	80	0	4	84
82%	Net-To-Gross Adjustment (kW)	0	-14	0	-1	-15
	Net Adjusted Demand Reduction (kW)	0	65	0	3	69
	Planned Net Demand Reduction (kW)	29	29	67	0	125
	Annual % Toward Planned Net Reduction (kW)	0%	227%	1%		55%
	Avg. Gross Demand Reduction Per Participant (kW)		0.05	0.04	0.05	0.05
	Avg. Net Demand Reduction Per Participant (kW)		0.07	0.05	0.06	0.07
Program Performance	Annual $Admin. per Participant (Gross)		$12	$165	$22	$14
	Annual $Admin. per kWh/year (Gross)		$0.02	$0.44	$0.03	$0.02
	Annual $Admin. per kW (Gross)		$230	$3,983	$443	$263
	Annual $EM&V per $Total	24.8%	2.3%	50.0%	20.2%	6.7%
	Annual $Rebate per Participant (Gross)		$221	$200	$193	$220

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.
3. The 2017 total gross deemed savings values reported in this table include adjustments of -2.1 kWh/year and -0.00044 kW made to the January 2017 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017. Specifically, the correction was in section 2.1.5 for “Low-Flow Showerhead” measures, to the “ΔT” variable, which is a measure of the change in temperature of the water used for shower and temperature entering the house (ΔT = Tshower – Tin house). STEP Manual 7.0.0 reported the value as 44.9°F, but has been corrected to 44.1°F. This correction is reflected in STEP Manual version 8.0.0 in this EM&V report.
4. Realization Rate Adjustment occurred in 2015. 2012-2014 Net to Gross Adjustment was 80.0%. From 2015 forward Net to Gross Adjustment was 82% and Realization Rate as adjusted to 154%.

EXTRAORDINARILY SENSITIVE INFORMATION REDACTED

L.25 North Carolina Residential Retail LED Program 2017–2019

NC- Residential LED Program Category	Indicator	2017 Total[2]	2018 Total	2019 Total	2017-2019 Program Total
O&M ($)	Direct Rebate				
O&M ($)	Direct Implementation				
O&M ($)	Direct EM&V				
O&M ($)	Indirect Other (Administrative)	$26,160	$73,173	$11,032	$110,366
Costs ($)	Total	$664,838	$1,295,830	$190,393	$2,151,061
Costs ($)	Planned	$1,088,516	$1,171,147	$92,757	$2,352,420
Costs ($)	Variance	-$423,678	$124,683	$97,636	-$201,359
	Annual % of Planned	61.1%	110.6%	205.3%	91.4%
Participants[1]	Total (Gross)	70,261	264,236	0	334,497
	Planned (Gross)	165,000	220,000	0	385,000
	Variance	-94,739	44,236	0	-50,503
	Annual % of Planned (Gross)	42.6%	120.1%	N/A	86.9%
Purchased kWh/year	Total Gross Energy Savings (kWh/yr)	2,215,073	5,918,263	0	8,133,336
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	2,215,073	5,918,263	0	8,133,336
85%	Net-To-Gross Adjustment (kWh/yr)	-332,261	-887,739	0	-1,220,000
	Net Adjusted Savings (kWh/yr)	1,882,812	5,030,524	0	6,913,336
	Planned Net Savings (kWh/yr)	2,250,789	3,874,754	0	6,125,543
	Annual % Toward Planned Net Savings (kWh)	83.7%	129.8%	N/A	112.9%
	Avg. Gross Savings Per Participant (kWh/yr)	32	22	N/A	24
	Avg. Net Savings Per Participant (kWh/yr)	27	19	N/A	21
Purchased kW	Total Gross Demand Reduction (kW)	242.4	606.0	0.0	848.5
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	242.4	606.0	0.0	848.5
85%	Net-To-Gross Adjustment (kW)	-36.4	-90.9	0.0	-127.3
	Net Adjusted Demand Reduction (kW)	206.1	515.1	0.0	721.2
	Planned Net Demand Reduction (kW)	331.1	433.0	0.0	764.1
	Annual % Toward Planned Net Reduction (kW)	62.2%	119.0%	N/A	94.4%
	Avg. Gross Demand Reduction Per Participant (kW)	0.0	0.0	N/A	0.0
	Avg. Net Demand Reduction Per Participant (kW)	0.0	0.0	N/A	0.0
Program Performance	Annual $Admin. per Participant (Gross)	$0.37	$0.28	N/A	$0.33
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.01	N/A	$0.01
	Annual $Admin. per kW (Gross)	$108	$121	N/A	$130
	Annual $EM&V per $Total	6.8%	6.6%	17.7%	7.7%
	Annual $Rebate per Participant (Gross)	$1.87	$2.68	N/A	$2.76

1. Program closed end of 2019.
2. A participant is a unique account number.

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L.26 North Carolina Commercial Lighting Program 2011–2014

NC- Commercial Lighting Program Category	Indicator	2011 Total	2012 Total	2013 Total	2011-2014 Program Total
O&M($)	Direct Rebate				
O&M($)	Direct Implementation				
O&M($)	Direct EM&V				
O&M($)	Indirect Other (Administrative)	$16,336	$7,585	$5,209	$35,758
Capital ($)		$0	$0	$0	$0
Costs ($)	Total	$216,305	$85,178	$51,201	$485,059
Costs ($)	Planned	$294,641	$546,511	$206,515	$1,251,849
Costs ($)	Variance	-$78,336	-$461,332	-$155,314	-$766,790
	Cum. % toward planned total	73.4%	15.6%	24.8%	38.7%
Participants	Total (Gross)	1	25	0	47
	Planned (Gross)	2	9	0	15
	Variance	-1	16	0	32
	Cum % toward planned total (Gross)	50.0%	277.8%		313.3%
Installed kWh/year	Total Gross Deemed Savings	1,787,400	409,819	0	3,092,876
178.0%	Realization Rate Adjustment [1]	1,376,298	320,111	0	2,394,058
	Adjusted Gross Savings	3,163,699	729,930	0	5,486,934
50.0%	Net-To-Gross Adjustment	-1,581,849	-364,965	0	-2,743,467
	Net Adjusted Savings	1,581,849	364,965	0	2,743,467
	Planned Savings (Net)	515,922	2,172,078	0	2,825,967
	Cum. % Toward Planned Savings (Net)	306.6%	16.8%		97.1%
	Avg. Savings Per Participant (Net)	1,581,849	14,599		58,372
Installed kW	Total Gross Deemed Demand	682	110	0	1,027
98.0%	Realization Rate Adjustment	-13.6	-2	0	-21
	Adjusted Gross Demand	668	108	0	1,006
50.0%	Net-To-Gross Adjustment	-334	-54	0	-503
	Net Adjusted Demand	334	54	0	503
	Planned Demand (Net)	62	275	0	337
	Cum. % Toward Planned Demand (Net)	538.7%	19.6%		149.3%
	Avg. Demand Per Participant (Net)	334.0	2.2		10.7
Program Performance	Cum. $Admin. per Cum. Participant (Gross)	$16,336	$303		$761
	Cum. $Admin. per Cum. kWh (Gross)	$0.01	$0.02		$0.01
	Cum. $Admin. per Cum. kW (Gross)	$23.96	$69.04		$34.82
	Cum. $EM&V per Cum Total Costs ($)	4.62%	2.21%	0.00%	6.5%
	Cum. $Rebate per Cum. Participant (Gross)	$158,605	$1,726		$5,465

1. Program closed end of 2014.
2. Realization rate is 177% January 1st through May 30th, 179% June 1st through September 30th, and 177% October 1st through December 31st.

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L.27 North Carolina Commercial HVAC Program 2011–2014

NC- Commercial HVAC Program Category	Indicator	2011 Total	2012 Total	2013 Total	2011-2014 Program Total
O&M ($)	Direct Rebate				
O&M ($)	Direct Implementation				
O&M ($)	Direct EM&V				
O&M ($)	Indirect Other (Administrative)	$1,140	$7,812	$5,177	$18,219
Capital ($)		$0	$0	$0	$0
Costs ($)	Total	$15,093	$73,854	$50,910	$220,106
Costs ($)	Planned	$55,015	$103,728	$97,195	$357,665
Costs ($)	Variance	-$39,922	-$29,875	-$46,285	-$137,559
	Cum. % toward planned total	27.4%	71.2%	52.4%	61.5%
Participants	Total (Gross)	0	4	0	4
	Planned (Gross)	2	11	0	18
	Variance	-2	-7	0	-14
	Cum % toward planned total (Gross)	0.0%	36.4%		22.2%
Installed kWh/year	Total Gross Deemed Savings	0	388,155	0	388,155
63.3%	Realization Rate Adjustment [1]	0	-142,453	0	-142,453
	Adjusted Gross Savings	0	245,702	0	245,702
45.0%	Net-To-Gross Adjustment	0	-135,136	0	-135,136
	Net Adjusted Savings	0	110,566	0	110,566
	Planned Savings (Net)	58,153	299,847	0	525,666
	Cum. % Toward Planned Savings (Net)	0.0%	36.9%		21.0%
	Avg. Savings Per Participant (Net)		27,641		27,641
Installed kW	Total Gross Deemed Demand	0	73	0	73
97.0%	Realization Rate Adjustment	0.0	-2	0	-2
	Adjusted Gross Demand	0	71	0	71
45.0%	Net-To-Gross Adjustment	0	-39	0	-39
	Net Adjusted Demand	0	32	0	32
	Planned Demand (Net)	22	122	0	144
	Cum. % Toward Planned Demand (Net)	0.0%	26.2%		22.2%
	Avg. Demand Per Participant (Net)		8		8
Program Performance	Cum. $Admin. per Cum. Participant (Gross)		$1,953		$4,555
	Cum. $Admin. per Cum. kWh (Gross)		$0.02		$0.05
	Cum. $Admin. per Cum. kW (Gross)		$107		$249
	Cum. $EM&V per Cum Total Costs ($)	81.6%	17.5%	0.0%	20.1%
	Cum. $Rebate per Cum. Participant (Gross)		$6,323		$6,323

1. Program closed end of 2014.
2. Realization rate is 63% January 1st through May 30th, 35% June 1st through September 30th, and 63% October 1st through December 31st.

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L.28 North Carolina Non-Residential Duct Testing and Sealing Program 2014–2017

NC - Non-Residential Duct Sealing and Testing Program Category	Indicator	2014 Total	2015 Total	2016 Total[2]	2017 Total	2014-2017 Program Total
O&M ($)	Direct Rebate					
O&M ($)	Direct Implementation					
O&M ($)	Direct EM&V					
O&M ($)	Indirect Other (Administrative)	$8,090	$28,601	$11,032	$5,524	$53,248
Costs ($)	Total	$253,157	$746,482	$362,980	$140,392	$1,503,010
Costs ($)	Planned	$367,630	$381,014	$400,363	$71,633	$1,220,640
Costs ($)	Variance	-$114,474	$365,468	-$37,383	$68,758	$282,370
	Annual % of Planned	69%	196%	91%	196%	123%
Participants[1]	Total (Gross)	60	152	33	5	250
	Planned (Gross)	30	30	39	0	99
	Variance	30	122	-6	5	149
	Annual % of Planned (Gross)	200%	507%	85%		253%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	595,895	2,400,813	550,135	184,255	3,731,098
87%	Realization Rate Adjustment (kWh/yr)	-77,466	-312,106	-71,518	-23,953	-485,043
	Realization Rate Adjusted Savings (kWh/yr)	518,428	2,088,707	478,618	160,302	3,246,055
97%	Net-To-Gross Adjustment (kWh/yr)	-14,516	-58,484	-13,401	-4,488	-90,890
	Net Adjusted Savings (kWh/yr)	503,912	2,030,224	465,216	155,813	3,155,166
	Planned Net Savings (kWh/yr)	989,610	989,610	230,534	0	2,209,754
	Annual % Toward Planned Net Savings (kWh)	51%	205%	202%		143%
	Avg. Gross Savings Per Participant (kWh/yr)	9,932	15,795	16,671	36,851	14,924
	Avg. Net Savings Per Participant (kWh/yr)	8,399	13,357	14,097	31,163	12,621
Installed kW	Total Gross Demand Reduction (kW)	65	292	160	54	570
94%	Realization Rate Adjustment (kW)	-4	-17	-9	-3	-33
	Realization Rate Adjusted Gross Demand Reduction (kW)	61	275	150	51	537
97%	Net-To-Gross Adjustment (kW)	-2	-8	-4	-1	-15
	Net Adjusted Demand Reduction (kW)	60	267	146	49	522
	Planned Net Demand Reduction (kW)	221	221	95	0	537
	Annual % Toward Planned Net Reduction (kW)	27%	121%	154%		97%
	Avg. Gross Demand Reduction Per Participant (kW)	1.08	1.92	4.84	10.77	2.28
	Avg. Net Demand Reduction Per Participant (kW)	0.99	1.76	4.43	9.86	2.09
Program Performance	Annual $Admin. per Participant (Gross)	$135	$188	$334	$1,105	$213
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.01	$0.02	$0.03	$0.01
	Annual $Admin. per kW (Gross)	$124	$98	$69	$103	$93.42
	Annual $EM&V per $Total	9.3%	0.7%	2.0%	3.7%	2.8%
	Annual $Rebate per Participant (Gross)	$3,015	$4,265	$9,551	$23,994	$5,058

1. Program closed end of 2017.
2. A participant is the first instance of unique account number that has been installed and rebated. A unique account number that may have multiple approved rebates in two or more different months is counted as a single participant.
3. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report, and have been refiled with the Commission. An adjustments totaled -83,464 kWh/year and 0 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 12. The adjustment was made to full load heating hours (FLHheat) in Tables 90 and 91 to be consistent with those in the Mid-Atlantic TRM v 6, in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. This affected multiple Non-Residential HVAC measures (e.g. heat pumps, variable refrigerant flow, mini split systems) that reference Table 90 and 91, in multiple Non-Residential programs. This adjustment is reflected in STEP Manual version 8.0.0 in this EM&V report.
4. Another adjustment was made to correct the full load cooling hours in North Carolina for this program. The code that calculated this savings did not match the STEP Manual v 7.0.0.

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L.29 North Carolina Non-Residential Energy Audit Program 2014–2017

NC - Non-Residential Energy Audit Program Category	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Program Total
O&M ($)	Direct Rebate					
O&M ($)	Direct Implementation					
O&M ($)	Direct EM&V					
O&M ($)	Indirect Other (Administrative)	$6,487	$3,164	$3,088	$3,936	$16,675
Costs ($)	Total	$199,201	$130,744	$101,589	$100,018	$531,553
Costs ($)	Planned	$142,946	$124,892	$130,094	$19,406	$417,338
Costs ($)	Variance	$56,255	$5,852	-$28,505	$80,612	$114,215
	Annual % of Planned	139%	105%	78%	515%	127%
Audits	Total (Gross)	16	81	14	0	111
Participants[1]	Total (Gross)	16	78	12	2	108
	Planned (Gross)	37	37	48	0	122
	Variance	-21	41	-36	2	-14
	Annual % of Planned (Gross)	43%	211%	25%		89%
Installed kWh/year	Total (Gross)	495,669	225,418	270,829	825,840	1,817,756
	Attribution Rate weighted by Measure	99%	99%	99%	76%	89%
	Realization Rate weighted by Measure	99%	69%	94%	79%	85%
	Adjusted (Net) by Realization Rate and Attribution Rate	487,729	153,498	253,571	491,719	1,386,517
	Planned (Net)	1,093,017	827,170	323,638	0	2,243,824
	Annual % Toward Planned Net Savings (kWh)	45%	19%	78%		62%
	Avg. Gross Savings Per Participant (kWh/yr)	30,979	2,890	22,569	412,920	16,831
	Avg. Net Savings Per Participant (kWh/yr)	30,483	1,968	21,131	245,859	12,838
Installed kW	Total (Gross)	57	30	31	147	264
	Attribution Rate weighted by Measure	99%	99%	99%	76%	86%
	Realization Rate weighted by Measure	99%	64%	94%	79%	83%
	Adjusted kW (Net)	55	20	29	80	184
	Planned (Net)	195	179	50	0	424
	Annual % Toward Planned Net Reduction (kW)	28.5%	11.3%	58%		43%
	Avg. Gross Demand Reduction Per Participant (kW)	3.6	0.4	2.5	73.6	2.4
	Avg. Net Demand Reduction Per Participant (kW)	3.5	0.3	2.4	39.9	1.7
Program Performance	Annual $Admin. per Participant (Gross)	$405	$41	$257	$1,968	$154
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.00	$0.01
	Annual $Admin. per kW (Gross)	$114	$106	$101	$27	$63
	Annual $EM&V per $Total	12.2%	4.5%	7.2%	7.0%	8.4%
	Annual $Rebate per Participant (Gross)	$8,988	$916	$6,886	$18,631	$3,103

1. Program closed end of 2017.
2. A participant is a single unit that has been installed and rebated. A unique account number may represent multiple participants if that account had multiple units installed and rebated.

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L.30 North Carolina Non-Residential Heating and Cooling Efficiency Program (DSM Phase III) 2015–2020

NC- Non-Residential Heating & Cooling Efficiency Program Category	Indicator	2015 Total	2016 Total[2]	2017 Total	2015-2017 Program Total	2018 Total	2019 Total	2020 Total	2015-2020 Program Total
O&M ($)	Direct Rebate								
O&M ($)	Direct Implementation								
O&M ($)	Direct EM&V								
O&M ($)	Indirect Other (Administrative)	$1,360	$1,610	$2,353	$5,323	$4,390	$2,934	$712	$13,359
Costs ($)	Total	$40,347	$52,963	$59,792	$153,101	$77,749	$57,884	$15,659	$304,393
Costs ($)	Planned	$124,310	$121,415	$122,498	$368,223	$126,949	$101,892	$0	$597,064
Costs ($)	Variance	-$83,963	-$68,452	-$62,706	-$215,122	-$49,200	-$44,007	$15,659	-$292,671
	Annual % of Planned	32%	44%	49%	42%	61%	57%	N/A	51%
Participants[1]	Total (Gross)	3	6	3	12	3	1	0	16
	Planned (Gross)	48	52	53	153	53	12	0	218
	Variance	-45	-46	-50	-141	-50	-11	0	-202
	Annual % of Planned (Gross)	6%	12%	6%	8%	6%	8%	N/A	7%
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	91,144	289,500	82,971	463,615	225,775	83,099	0	772489
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	91,144	289,500	82,971	463,615	225,775	83,099	0	772489
70%	Net-To-Gross Adjustment (kWh/yr)	-27,343	-86,850	-24,891	-139,085	-67,732	-24,930	0	-231747
	Net Adjusted Savings (kWh/yr)	63,801	202,650	58,080	324,531	158,042	58,170	0	540742
	Planned Net Savings (kWh/yr)	606,768	1,619,973	2,563,872	4,790,614	2,043,754	168,545	0	7002913
	Annual % Toward Planned Net Savings (kWh)	11%	13%	2%	7%	8%	35%	N/A	8%
	Avg. Gross Savings Per Participant (kWh/yr)	30,381	48,250	27,657	38,635	75,258	83,099	N/A	48,281
	Avg. Net Savings Per Participant (kWh/yr)	21,267	33,775	19,360	27,044	52,681	58,170	N/A	33,796
Installed kW	Total Gross Demand Reduction (kW)	26.9	93.2	-40.3	79.9	84.7	13.3	0.0	177.9
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction(kW)	26.9	93.2	-40.3	79.9	84.7	13.3	0.0	177.9
70%	Net-To-Gross Adjustment (kW)	-8.1	-28.0	12.1	-24.0	-25.4	-4.0	0.0	-53.4
	Net Adjusted Demand Reduction (kW)	18.8	65.3	-28.2	55.9	59.3	9.3	0.0	124.5
	Planned Net Demand Reduction (kW)	154.2	274.7	1,042.3	1,471.1	497.0	41.0	0.0	2,009.1
	Annual % Toward Planned Net Reduction (kW)	12.2%	23.8%	-2.7%	3.8%	11.9%	22.8%	N/A	6.2%
	Avg. Gross Demand Reduction Per Participant (kW)	9.0	15.5	-13.4	6.7	28.2	13.3	N/A	11.1
	Avg. Net Demand Reduction Per Participant (kW)	6.3	10.9	-9.4	4.7	19.8	9.3	N/A	7.8
Program Performance	Annual $Admin. per Participant (Gross)	$453	$268	$784	$444	$1,463	$2,934	N/A	$835
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.01	$0.03	$0.01	$0.02	$0.04	N/A	$0.02
	Annual $Admin. per kW (Gross)	$51	$17	-$58	$67	$52	$220	N/A	$75
	Annual $EM&V per $Total	14%	15%	15%	14%	11%	7.8%	95.2%	16%
	Annual $Rebate per Participant (Gross)	$2,728	$3,404	$6,996	$4,133	$11,613	$21,728	N/A	$6,635

1. A participant is a unique account number.

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L.31 North Carolina Non-Residential Lighting Systems & Controls (DSM Phase III) Program 2015–2020

NC- Non-Residential Lighting Systems & Controls Program Category	Indicator	2015 Total	2016 Total[2]	2017 Total	2018 Total	2019 Total	2020 Total	2015-2020 Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$3,511	$11,956	$9,940	$14,072	$22,295	$4,923	$66,698
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	
Costs ($)	Total	$122,739	$393,406	$252,605	$249,209	$413,562	$88,425	$1,519,945
Costs ($)	Planned	$357,955	$359,278	$347,298	$403,711	$230,531	$0	$1,698,773
Costs ($)	Variance	-$235,216	$34,128	-$94,693	-$154,502	$183,030	$88,425	-$178,829
	Annual % of Planned	34%	109%	73%	62%	179%	N/A	89%
Participants[1]	Total (Gross)	13	43	23	43	62	17	201
	Planned (Gross)	96	102	104	119	43	0	464
	Variance	-83	-59	-81	-76	19	17	-263
	Annual % of Planned (Gross)	14%	42%	22%	36%	144%	N/A	43%
Installed kWh/year	Total Gross Energy Savings (kWh/yr)	564,326	3,333,527	1,738,121	5,172,076	3,030,032	601,830	14,439,912
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	564,326	3,333,527	1,738,121	5,172,076	3,030,032	601,830	14,439,912
70%	Net-To-Gross Adjustment (kWh/yr)	-169,298	-1,000,058	-521,436	-1,551,623	-909,010	-180,549	-4,331,973
	Net Adjusted Savings (kWh/yr)	395,028	2,333,469	1,216,685	3,620,453	2,121,023	421,281	10,107,938
	Planned Net Savings (kWh/yr)	1,752,864	1,619,973	2,220,165	2,661,116	1,213,184	0	9,467,302
	Annual % Toward Planned Net Savings (kWh)	23%	144%	55%	136%	175%	N/A	107%
	Avg. Gross Savings Per Participant (kWh/yr)	43,410	77,524	75,570	120,281	48,871	35,402	71,840
	Avg. Net Savings Per Participant (kWh/yr)	30,387	54,267	52,899	84,197	34,210	24,781	50,288
Installed kW	Total Gross Demand Reduction (kW)	104.6	743.2	334.5	1,109.9	594.3	94.8	2,981.3
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	104.6	743.2	334.5	1,109.9	594.3	94.8	2,981.3
70%	Net-To-Gross Adjustment (kW)	-31.4	-223.0	-100.4	-333.0	-178.3	-28.4	-894.4
	Net Adjusted Demand Reduction (kW)	73.2	520.2	234.2	777.0	416.0	66.4	2,086.9
	Planned Net Demand Reduction (kW)	490.2	274.7	366.7	479.0	218.5	0.0	1,829.1
	Annual % Toward Planned Net Reduction (kW)	15%	189%	64%	162%	190%	N/A	114%
	Avg. Gross Demand Reduction Per Participant (kW)	8.0	17.3	14.5	25.8	10	6	15
	Avg. Net Demand Reduction Per Participant (kW)	5.6	12.1	10.2	18.1	6.7	4	10
Program Performance	Annual $Admin. per Participant (Gross)	$270	$278	$432	$327	$360	$290	$332
	Annual $Admin. per kWh/year (Gross)	$0.01	$0.00	$0.01	$0.00	$0.01	$0.01	$0.00
	Annual $Admin. per kW (Gross)	$34	$16	$30	$12.68	$38	$52	$22
	Annual $EM&V per $Total	6.4%	1.8%	2.6%	2.5%	0.9%	11.4%	2.7%
	Annual $Rebate per Participant (Gross)	$5,260	$7,742	$8,251	$4,310	$5,205	$4,286	3.9%

1. A participant is a unique account number.
2. The 2016 total gross deemed savings values reported in this table differs from values in the May 1, 2017 EM&V report, and have been refiled with the Commission. The adjustments totaled -481,137 kWh/year and 26 kW for 2016 reported savings. The adjustments accounts for corrections to STEP Manual version 7.0.0 issued on May 1, 2017, in section 9.1.1. The adjustment was to waste heat factors (WHFe and WHFd) applied to lighting fixtures installed in 2016, where the program participant building HVAC systems was assumed to be heat pump heating and cooling systems, rather than the previous assumption of AC cool and non-electric heat systems. This adjustment was made in response to requests by the North Carolina Public Staff Utilities Commission Re: Docket No. E-22, Sub 545, on October 23, 2017. It is reflected in STEP Manual version 8.0.0 in this EM&V report.

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L.32 North Carolina Non-Residential Window Film (DSM Phase III) Program 2015–2020

NC- Non-Residential Window Film Program		2015	2016	2017	2018	2019	2020	2015-2020
Category	Indicator	Total	Total	Total	Total	Total	Total	Program Total
O&M ($)	Direct Rebate							
O&M ($)	Direct Implementation							
O&M ($)	Direct EM&V							
O&M ($)	Indirect Other (Administrative)	$851	$799	$870	$984	$344	$92	$3,941
Capital ($)	Direct Implementation	$0	$0	$0	$0	$0	$0	$0
Costs ($)	Total	$24,693	$26,289	$22,104	$17,432	$6,937	$1,612	$99,067
Costs ($)	Planned	$82,903	$115,046	$126,681	$143,604	$3,850	$0	$472,084
Costs ($)	Variance	-$58,211	-$88,757	-$104,577	-$126,172	$3,087	$1,612	-$373,018
	Annual % of Planned	30%	23%	17%	12%	180%	N/A	21%
Participants[1]	Total Participants	0	0	0	1	0		1
	Total Square Feet	0	0	0	402	0	0	402
	Planned Square Feet	48,000	76,742	91,659	95,900	0		312,301
	Variance	-48,000	-76,742	-91,659	-95,498	0	0	-311,899
	Annual % of Planned (Gross)	0%	0%	0%	0%	N/A	N/A	0%
Square feet	Total Square Feet	0	0	0	402	0	0	402
	North Facing	0	0	0	0	0	0	0
	East Facing	0	0	0	402	0	0	402
	West Facing	0	0	0	0	0	0	0
	South Facing	0	0	0	0	0	0	0
Installed kWh/year	Total Gross Deemed Savings (kWh/yr)	0	0	0	4,516	0	0	4,516
100%	Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0
	Realization Rate Adjusted Savings (kWh/yr)	0	0	0	4,516	0	0	4,516
80%	Net-To-Gross Adjustment (kWh/yr)	0	0	0	-903	0	0	-903
	Net Adjusted Savings (kWh/yr)	0	0	0	3,613	0	0	3,613
	Planned Net Savings (kWh/yr)	864	1,064,075	1,016,658	691,176	0	0	2,772,773
	Annual % Toward Planned Net Savings (kWh)	0%	0%	0%	1%	N/A	N/A	0%
	Avg. Gross Savings Per Participant (kWh/yr)			N/A	4,516	N/A	N/A	4,516
	Avg. Gross Savings Per Square Foot (kWh/yr)			N/A	11	N/A	N/A	11
	Avg. Net Savings Per Participant (kWh/yr)			N/A	3,613	N/A	N/A	3,613
	Avg. Net Savings Per Square Foot (kWh/yr)			N/A	9	N/A	N/A	8.99
Installed kW	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.7	0	12	12.7
100%	Realization Rate Adjustment (kW)	0.0	0.0	0.0	0.0	0	0	0.0
	Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	0.0	0.7	0	12	12.7
80%	Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	-0.1	0	-2	-2.5
	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.6	0	10	10.2
	Planned Net Demand Reduction (kW)	0.2	973.7	915.3	635.0	0	0	2,524.2
	Annual % Toward Planned Net Reduction (kW)	0%	0%	0%	0.1%	N/A	N/A	0.40%
	Avg. Gross Demand Reduction Per Participant (kW)			N/A	0.7	N/A	N/A	12.7
	Avg. Gross Demand Reduction Per Square Foot (kW)			N/A	0.002	N/A	N/A	0.032
	Avg. Net Demand Reduction Per Participant (kW)			N/A	0.6	N/A	N/A	10.2
	Avg. Net Demand Reduction Per Square Foot (kW)			N/A	0.001	N/A	N/A	0.025
Program Performance	Annual $Admin. per Participant (Gross)			N/A	$984.4	N/A	N/A	$3,941
	Annual $Admin. per kWh/year (Gross)			N/A	$0.22	N/A	N/A	$0.87
	Annual $Admin. per kW (Gross)			N/A	$1,337.1	N/A	$15	$309
	Annual $EM&V per $Total	18%	29%	25%	29%	51%	94%	28%
	Annual $Rebate per Participant (Gross)			N/A	$342	N/A	N/A	$342

1. Program close end of 2019.
2. A participant is a unique account number.

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APPENDIX M GROSS AND NET PERSISTENT PROGRAM SAVINGS, 2010 – 2021

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	1	Residential Low Income	EALI	2010	1,431	1,431	631,647	631,647	277,874	277,874	702	309
Residential	1	Residential Low Income	EALI	2011	3,912	5,343	4,312,376	4,944,024	1,897,101	2,174,975	2,196	966
Residential	1	Residential Low Income	EALI	2012	2,380	7,723	8,480,180	13,424,204	3,730,601	5,905,576	3,091	1,360
Residential	1	Residential Low Income	EALI	2013	1,883	9,606	10,251,272	23,675,476	4,732,135	10,637,711	3,878	1,729
Residential	1	Residential Low Income	EALI	2014	1,880	11,486	11,884,903	35,560,379	5,779,949	16,417,660	4,556	2,179
Residential	1	Residential Low Income	EALI	2015	0	11,486	12,812,330	48,372,709	6,318,154	22,735,814	5,181	2,542
Residential	1	Residential Low Income	EALI	2016	0	11,486	12,812,549	61,185,258	6,318,261	29,054,075	5,181	2,542
Residential	1	Residential Low Income	EALI	2017	0	11,486	12,812,330	73,997,588	6,318,154	35,372,228	5,181	2,542
Residential	1	Residential Low Income	EALI	2018	0	11,486	12,812,110	86,809,698	6,318,046	41,690,275	5,181	2,542
Residential	1	Residential Low Income	EALI	2019	0	11,486	12,812,329	99,622,027	6,318,153	48,008,428	5,182	2,542
Residential	1	Residential Low Income	EALI	2020	0	11,486	12,812,330	112,434,357	6,318,154	54,326,582	5,180	2,542
Residential	1	Residential Low Income	EALI	2021	0	11,486	12,812,549	125,246,907	6,318,261	60,644,843	5,181	2,542
Residential	1	Residential Low Income	EALI	2022	0	11,486	12,812,330	138,059,236	6,318,154	66,962,996	5,181	2,542
Residential	1	Residential Low Income	EALI	2023	0	11,486	12,812,107	150,871,343	6,318,055	73,281,052	5,181	2,542
Residential	1	Residential Low Income	EALI	2024	0	11,356	11,323,147	162,194,490	5,663,022	78,944,074	5,142	2,525
Residential	1	Residential Low Income	EALI	2025	0	8,510	6,892,531	169,087,022	3,713,916	82,657,989	3,537	1,819
Residential	1	Residential Low Income	EALI	2026	0	4,314	3,513,558	172,600,580	2,199,942	84,857,932	1,591	963
Residential	1	Residential Low Income	EALI	2027	0	2,871	1,992,800	174,593,380	1,199,607	86,057,538	1,048	656
Residential	1	Residential Low Income	EALI	2028	0	1,100	454,206	175,047,586	263,585	86,321,123	424	246
Residential	1	Residential Low Income	EALI	2029								
Residential	1	Residential Lighting	RLGT	2010	2,016,479	2,016,479	33,071,373	33,071,373	18,056,970	18,056,970	23,055	12,588
Residential	1	Residential Lighting	RLGT	2011	2,206,030	4,222,509	176,610,705	209,682,078	96,429,445	114,486,415	49,533	27,045
Residential	1	Residential Lighting	RLGT	2012	0	4,222,509	218,370,230	428,052,308	119,230,146	233,716,560	49,539	27,048
Residential	1	Residential Lighting	RLGT	2013	0	4,222,509	218,371,324	646,423,632	119,230,743	352,947,303	49,543	27,050
Residential	1	Residential Lighting	RLGT	2014	0	4,222,509	218,371,324	864,794,956	119,230,743	472,178,046	49,541	27,049
Residential	1	Residential Lighting	RLGT	2015	0	4,222,509	218,371,323	1,083,166,279	119,230,742	591,408,788	49,539	27,048
Residential	1	Residential Lighting	RLGT	2016	0	4,222,509	218,372,422	1,301,538,701	119,231,342	710,640,131	49,536	27,046
Residential	1	Residential Lighting	RLGT	2017	0	4,222,509	218,371,329	1,519,910,030	119,230,746	829,870,876	49,536	27,047
Residential	1	Residential Lighting	RLGT	2018	0	4,222,509	218,370,228	1,738,280,258	119,230,144	949,101,021	49,543	27,051
Residential	1	Residential Lighting	RLGT	2019	0	4,222,509	217,192,637	1,955,472,895	118,587,180	1,067,688,201	47,760	26,077
Residential	1	Residential Lighting	RLGT	2020	0	3,912,254	113,073,115	2,068,546,010	61,737,921	1,129,426,122	43,140	23,555
Residential	1	Residential Lighting	RLGT	2021	0	635,026	8,876,286	2,077,422,297	4,846,452	1,134,272,574	8,910	4,865
Non-residential	1	Commercial HVAC Upgrade	CHVC	2010	28	28	381,647	381,647	73,200	73,200	437	99
Non-residential	1	Commercial HVAC Upgrade	CHVC	2011	59	87	7,878,621	8,260,268	1,928,027	2,001,228	4,195	1,079
Non-residential	1	Commercial HVAC Upgrade	CHVC	2012	36	123	22,285,971	30,546,240	5,809,159	7,810,386	10,459	2,744
Non-residential	1	Commercial HVAC Upgrade	CHVC	2013	0	123	23,944,524	54,490,763	6,281,594	14,091,980	10,456	2,743
Non-residential	1	Commercial HVAC Upgrade	CHVC	2014	0	123	23,944,523	78,435,287	6,281,593	20,373,573	10,453	2,742
Non-residential	1	Commercial HVAC Upgrade	CHVC	2015	0	123	23,944,525	102,379,812	6,281,594	26,655,167	10,449	2,741
Non-residential	1	Commercial HVAC Upgrade	CHVC	2016	0	123	23,944,687	126,324,499	6,281,636	32,936,803	10,454	2,743
Non-residential	1	Commercial HVAC Upgrade	CHVC	2017	0	123	23,944,523	150,269,022	6,281,593	39,218,397	10,458	2,744
Non-residential	1	Commercial HVAC Upgrade	CHVC	2018	0	123	23,944,363	174,213,386	6,281,551	45,499,948	10,454	2,743
Non-residential	1	Commercial HVAC Upgrade	CHVC	2019	0	123	23,944,522	198,157,908	6,281,593	51,781,541	10,456	2,743
Non-residential	1	Commercial HVAC Upgrade	CHVC	2020	0	123	23,944,530	222,102,438	6,281,595	58,063,137	10,446	2,741
Non-residential	1	Commercial HVAC Upgrade	CHVC	2021	0	123	23,944,686	246,047,124	6,281,636	64,344,773	10,474	2,748
Non-residential	1	Commercial HVAC Upgrade	CHVC	2022	0	123	23,944,521	269,991,645	6,281,593	70,626,366	10,472	2,747
Non-residential	1	Commercial HVAC Upgrade	CHVC	2023	0	123	23,944,523	293,936,168	6,281,593	76,907,959	10,458	2,744
Non-residential	1	Commercial HVAC Upgrade	CHVC	2024	0	123	23,944,363	317,880,531	6,281,551	83,189,510	10,454	2,742
Non-residential	1	Commercial HVAC Upgrade	CHVC	2025	0	123	23,568,746	341,449,277	6,209,591	89,399,102	10,453	2,742
Non-residential	1	Commercial HVAC Upgrade	CHVC	2026	0	92	16,111,970	357,561,246	4,364,504	93,763,605	6,824	1,886
Non-residential	1	Commercial HVAC Upgrade	CHVC	2027	0	30	1,685,528	359,246,775	480,123	94,243,728	1,314	374
Non-residential	1	Commercial Lighting	CLGT	2010	399	399	3,722,993	3,722,993	3,324,213	3,324,213	3,397	3,026
Non-residential	1	Commercial Lighting	CLGT	2011	1,307	1,706	32,971,296	36,694,290	29,318,412	32,642,625	13,619	12,110
Non-residential	1	Commercial Lighting	CLGT	2012	703	2,409	72,218,542	108,912,831	64,145,434	96,788,059	20,561	18,256
Non-residential	1	Commercial Lighting	CLGT	2013	0	2,409	79,455,902	188,368,734	70,550,497	167,338,556	20,586	18,278
Non-residential	1	Commercial Lighting	CLGT	2014	0	2,409	79,455,902	267,824,636	70,550,497	237,889,053	20,586	18,278
Non-residential	1	Commercial Lighting	CLGT	2015	0	2,409	79,455,907	347,280,543	70,550,501	308,439,553	20,586	18,278
Non-residential	1	Commercial Lighting	CLGT	2016	0	2,409	79,455,618	426,736,160	70,550,244	378,989,798	20,614	18,303
Non-residential	1	Commercial Lighting	CLGT	2017	0	2,409	79,455,896	506,192,057	70,550,492	449,540,289	20,628	18,315
Non-residential	1	Commercial Lighting	CLGT	2018	0	2,409	79,456,189	585,648,245	70,550,751	520,091,041	20,585	18,277
Non-residential	1	Commercial Lighting	CLGT	2019	0	2,409	79,455,900	665,104,146	70,550,495	590,641,536	20,586	18,278
Non-residential	1	Commercial Lighting	CLGT	2020	0	2,409	75,763,931	740,868,076	67,253,943	657,895,479	20,572	18,266
Non-residential	1	Commercial Lighting	CLGT	2021	0	1,959	46,623,732	787,491,808	41,355,730	699,251,209	16,461	14,606
Non-residential	1	Commercial Lighting	CLGT	2022	0	547	7,312,918	794,804,727	6,471,933	705,723,142	6,046	5,351
Non-residential	1	Commercial Lighting	CLGT	2023								
Non-residential	1	Commercial Lighting	CLGT	2024								

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	1	Residential Low Income	EALI	2010								
Residential	1	Residential Low Income	EALI	2011	207	207	40,867	40,867	17,978	17,978	61	27
Residential	1	Residential Low Income	EALI	2012	156	363	376,018	416,885	165,418	183,396	127	56
Residential	1	Residential Low Income	EALI	2013	120	483	456,523	873,408	213,334	396,730	163	81
Residential	1	Residential Low Income	EALI	2014	120	603	566,912	1,440,320	284,606	681,336	201	100
Residential	1	Residential Low Income	EALI	2015	653	1,256	868,398	2,308,718	459,564	1,140,901	354	192
Residential	1	Residential Low Income	EALI	2016	0	1,256	1,155,876	3,464,594	626,393	1,767,294	428	232
Residential	1	Residential Low Income	EALI	2017	0	1,256	1,155,859	4,620,453	626,384	2,393,677	428	232
Residential	1	Residential Low Income	EALI	2018	0	1,256	1,155,842	5,776,294	626,374	3,020,052	428	232
Residential	1	Residential Low Income	EALI	2019	0	1,256	1,155,859	6,932,153	626,384	3,646,435	428	232
Residential	1	Residential Low Income	EALI	2020	0	1,256	1,155,859	8,088,012	626,384	4,272,819	428	232
Residential	1	Residential Low Income	EALI	2021	0	1,256	1,155,876	9,243,888	626,393	4,899,211	428	232
Residential	1	Residential Low Income	EALI	2022	0	1,256	1,155,859	10,399,746	626,384	5,525,595	428	232
Residential	1	Residential Low Income	EALI	2023	0	1,256	1,155,859	11,555,605	626,384	6,151,979	428	232
Residential	1	Residential Low Income	EALI	2024	0	1,256	1,155,842	12,711,447	626,374	6,778,353	428	232
Residential	1	Residential Low Income	EALI	2025	0	1,256	1,011,148	13,722,595	562,723	7,341,076	428	232
Residential	1	Residential Low Income	EALI	2026	0	893	739,079	14,461,674	440,949	7,782,025	272	163
Residential	1	Residential Low Income	EALI	2027	0	848	666,995	15,128,669	391,101	8,173,126	257	153
Residential	1	Residential Low Income	EALI	2028	0	721	531,977	15,660,646	308,717	8,481,843	213	124
Residential	1	Residential Low Income	EALI	2029	0	375	139,929	15,800,576	81,204	8,563,047	123	72
Residential	1	Residential Lighting	RLGT	2010								
Residential	1	Residential Lighting	RLGT	2011	37,120	37,120	526,565	526,565	287,504	287,504	427	233
Residential	1	Residential Lighting	RLGT	2012	0	37,120	1,882,820	2,409,385	1,028,020	1,315,524	427	233
Residential	1	Residential Lighting	RLGT	2013	0	37,120	1,882,829	4,292,214	1,028,025	2,343,549	427	233
Residential	1	Residential Lighting	RLGT	2014	0	37,120	1,882,829	6,175,043	1,028,025	3,371,574	427	233
Residential	1	Residential Lighting	RLGT	2015	0	37,120	1,882,829	8,057,873	1,028,025	4,399,598	427	233
Residential	1	Residential Lighting	RLGT	2016	0	37,120	1,882,839	9,940,712	1,028,030	5,427,628	427	233
Residential	1	Residential Lighting	RLGT	2017	0	37,120	1,882,829	11,823,541	1,028,025	6,455,653	427	233
Residential	1	Residential Lighting	RLGT	2018	0	37,120	1,882,820	13,706,361	1,028,020	7,483,673	427	233
Residential	1	Residential Lighting	RLGT	2019	0	37,120	1,882,829	15,589,190	1,028,025	8,511,698	427	233
Residential	1	Residential Lighting	RLGT	2020	0	37,120	1,881,443	17,470,633	1,027,268	9,538,966	427	233
Residential	1	Residential Lighting	RLGT	2021	0	32,878	488,673	17,959,306	266,816	9,805,781	383	209
Non-residential	1	Commercial HVAC Upgrade	CHVC	2010								
Non-residential	1	Commercial HVAC Upgrade	CHVC	2011								
Non-residential	1	Commercial HVAC Upgrade	CHVC	2012	4	4	173,061	173,061	49,297	49,297	84	24
Non-residential	1	Commercial HVAC Upgrade	CHVC	2013	0	4	388,155	561,216	110,566	159,862	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2014	0	4	388,155	949,371	110,566	270,428	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2015	0	4	388,155	1,337,525	110,566	380,994	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2016	0	4	388,157	1,725,683	110,567	491,561	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2017	0	4	388,155	2,113,837	110,566	602,127	170	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2018	0	4	388,152	2,501,989	110,565	712,692	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2019	0	4	388,155	2,890,144	110,566	823,257	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2020	0	4	388,155	3,278,299	110,566	933,823	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2021	0	4	388,157	3,666,456	110,567	1,044,390	170	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2022	0	4	388,155	4,054,610	110,566	1,154,956	170	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2023	0	4	388,155	4,442,765	110,566	1,265,522	170	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2024	0	4	388,152	4,830,917	110,565	1,376,087	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2025	0	4	388,155	5,219,072	110,566	1,486,653	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2026	0	4	388,155	5,607,226	110,566	1,597,218	169	48
Non-residential	1	Commercial HVAC Upgrade	CHVC	2027	0	2	215,872	5,823,099	61,491	1,658,710	106	30
Non-residential	1	Commercial Lighting	CLGT	2010								
Non-residential	1	Commercial Lighting	CLGT	2011	1	1	25,801	25,801	22,834	22,834	459	407
Non-residential	1	Commercial Lighting	CLGT	2012	25	26	2,006,711	2,032,512	1,775,939	1,798,773	578	511
Non-residential	1	Commercial Lighting	CLGT	2013	0	26	2,197,219	4,229,731	1,944,539	3,743,312	600	531
Non-residential	1	Commercial Lighting	CLGT	2014	21	47	2,501,583	6,731,315	2,213,901	5,957,214	785	694
Non-residential	1	Commercial Lighting	CLGT	2015	0	47	3,092,876	9,824,191	2,737,195	8,694,409	833	738
Non-residential	1	Commercial Lighting	CLGT	2016	0	47	3,092,866	12,917,056	2,737,186	11,431,595	835	739
Non-residential	1	Commercial Lighting	CLGT	2017	0	47	3,092,875	16,009,932	2,737,195	14,168,790	835	739
Non-residential	1	Commercial Lighting	CLGT	2018	0	47	3,092,886	19,102,818	2,737,204	16,905,994	833	737
Non-residential	1	Commercial Lighting	CLGT	2019	0	47	3,092,876	22,195,693	2,737,195	19,643,188	833	738
Non-residential	1	Commercial Lighting	CLGT	2020	0	47	3,092,876	25,288,569	2,737,195	22,380,384	833	737
Non-residential	1	Commercial Lighting	CLGT	2021	0	47	3,072,940	28,361,509	2,719,552	25,099,936	837	741
Non-residential	1	Commercial Lighting	CLGT	2022	0	45	1,086,956	29,448,465	961,956	26,061,891	333	295
Non-residential	1	Commercial Lighting	CLGT	2023	0	21	895,656	30,344,121	792,656	26,854,547	234	207
Non-residential	1	Commercial Lighting	CLGT	2024	0	21	594,448	30,938,569	526,086	27,380,634	232	206

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	1	Residential Low Income	EALI	2010	1,431	1,431	631,647	631,647	277,874	277,874	702	309
Residential	1	Residential Low Income	EALI	2011	4,119	5,550	4,353,243	4,984,890	1,915,079	2,192,953	2,256	993
Residential	1	Residential Low Income	EALI	2012	2,536	8,086	8,856,198	13,841,089	3,896,019	6,088,972	3,218	1,416
Residential	1	Residential Low Income	EALI	2013	2,003	10,089	10,707,795	24,548,884	4,945,470	11,034,442	4,041	1,810
Residential	1	Residential Low Income	EALI	2014	2,000	12,089	12,451,815	37,000,699	6,064,555	17,098,997	4,757	2,279
Residential	1	Residential Low Income	EALI	2015	653	12,742	13,680,728	50,681,427	6,777,718	23,876,715	5,535	2,734
Residential	1	Residential Low Income	EALI	2016	0	12,742	13,968,425	64,649,852	6,944,654	30,821,368	5,609	2,774
Residential	1	Residential Low Income	EALI	2017	0	12,742	13,968,188	78,618,041	6,944,537	37,765,906	5,609	2,774
Residential	1	Residential Low Income	EALI	2018	0	12,742	13,967,952	92,585,993	6,944,421	44,710,327	5,609	2,774
Residential	1	Residential Low Income	EALI	2019	0	12,742	13,968,188	106,554,180	6,944,537	51,654,863	5,610	2,774
Residential	1	Residential Low Income	EALI	2020	0	12,742	13,968,189	120,522,369	6,944,537	58,599,400	5,608	2,773
Residential	1	Residential Low Income	EALI	2021	0	12,742	13,968,425	134,490,794	6,944,654	65,544,054	5,609	2,774
Residential	1	Residential Low Income	EALI	2022	0	12,742	13,968,188	148,458,983	6,944,537	72,488,591	5,609	2,774
Residential	1	Residential Low Income	EALI	2023	0	12,742	13,967,965	162,426,948	6,944,439	79,433,030	5,609	2,774
Residential	1	Residential Low Income	EALI	2024	0	12,612	12,478,989	174,905,937	6,289,396	85,722,427	5,570	2,757
Residential	1	Residential Low Income	EALI	2025	0	9,766	7,903,680	182,809,617	4,276,638	89,999,065	3,965	2,051
Residential	1	Residential Low Income	EALI	2026	0	5,207	4,252,637	187,062,254	2,640,891	92,639,956	1,864	1,126
Residential	1	Residential Low Income	EALI	2027	0	3,719	2,659,795	189,722,049	1,590,708	94,230,664	1,305	809
Residential	1	Residential Low Income	EALI	2028	0	1,821	986,183	190,708,232	572,302	94,802,966	637	370
Residential	1	Residential Low Income	EALI	2029	0	375	139,929	15,800,576	81,204	8,563,047	123	72
Residential	1	Residential Lighting	RLGT	2010	2,016,479	2,016,479	33,071,373	33,071,373	18,056,970	18,056,970	23,055	12,588
Residential	1	Residential Lighting	RLGT	2011	2,243,150	4,259,629	177,137,270	210,208,643	96,716,949	114,773,919	49,960	27,278
Residential	1	Residential Lighting	RLGT	2012	0	4,259,629	220,253,050	430,461,693	120,258,165	235,032,084	49,966	27,282
Residential	1	Residential Lighting	RLGT	2013	0	4,259,629	220,254,153	650,715,846	120,258,768	355,290,852	49,970	27,284
Residential	1	Residential Lighting	RLGT	2014	0	4,259,629	220,254,153	870,969,999	120,258,768	475,549,620	49,968	27,283
Residential	1	Residential Lighting	RLGT	2015	0	4,259,629	220,254,152	1,091,224,152	120,258,767	595,808,387	49,966	27,282
Residential	1	Residential Lighting	RLGT	2016	0	4,259,629	220,255,261	1,311,479,413	120,259,372	716,067,759	49,963	27,280
Residential	1	Residential Lighting	RLGT	2017	0	4,259,629	220,254,158	1,531,733,571	120,258,771	836,326,530	49,963	27,280
Residential	1	Residential Lighting	RLGT	2018	0	4,259,629	220,253,048	1,751,986,619	120,258,164	956,584,694	49,970	27,284
Residential	1	Residential Lighting	RLGT	2019	0	4,259,629	219,075,467	1,971,062,085	119,615,205	1,076,199,899	48,187	26,310
Residential	1	Residential Lighting	RLGT	2020	0	3,949,374	114,954,558	2,086,016,644	62,765,189	1,138,965,087	43,567	23,788
Residential	1	Residential Lighting	RLGT	2021	0	667,904	9,364,959	2,095,381,603	5,113,268	1,144,078,355	9,293	5,074
Non-residential	1	Commercial HVAC Upgrade	CHVC	2010	28	28	381,647	381,647	73,200	73,200	437	99
Non-residential	1	Commercial HVAC Upgrade	CHVC	2011	59	87	7,878,621	8,260,268	1,928,027	2,001,228	4,195	1,079
Non-residential	1	Commercial HVAC Upgrade	CHVC	2012	40	127	22,459,033	30,719,301	5,858,455	7,859,683	10,542	2,768
Non-residential	1	Commercial HVAC Upgrade	CHVC	2013	0	127	24,332,678	55,051,979	6,392,159	14,251,842	10,625	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2014	0	127	24,332,678	79,384,658	6,392,159	20,644,001	10,623	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2015	0	127	24,332,680	103,717,338	6,392,160	27,036,161	10,618	2,789
Non-residential	1	Commercial HVAC Upgrade	CHVC	2016	0	127	24,332,844	128,050,182	6,392,203	33,428,364	10,624	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2017	0	127	24,332,678	152,382,860	6,392,159	39,820,523	10,628	2,792
Non-residential	1	Commercial HVAC Upgrade	CHVC	2018	0	127	24,332,515	176,715,375	6,392,116	46,212,640	10,624	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2019	0	127	24,332,677	201,048,052	6,392,159	52,604,799	10,625	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2020	0	127	24,332,685	225,380,736	6,392,161	58,996,960	10,616	2,789
Non-residential	1	Commercial HVAC Upgrade	CHVC	2021	0	127	24,332,843	249,713,580	6,392,203	65,389,163	10,644	2,796
Non-residential	1	Commercial HVAC Upgrade	CHVC	2022	0	127	24,332,676	274,046,255	6,392,159	71,781,321	10,642	2,796
Non-residential	1	Commercial HVAC Upgrade	CHVC	2023	0	127	24,332,678	298,378,933	6,392,159	78,173,481	10,628	2,792
Non-residential	1	Commercial HVAC Upgrade	CHVC	2024	0	127	24,332,515	322,711,448	6,392,116	84,565,597	10,623	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2025	0	127	23,956,900	346,668,348	6,320,157	90,885,754	10,623	2,791
Non-residential	1	Commercial HVAC Upgrade	CHVC	2026	0	96	16,500,125	363,168,473	4,475,070	95,360,824	6,993	1,935
Non-residential	1	Commercial HVAC Upgrade	CHVC	2027	0	32	1,901,400	365,069,873	541,614	95,902,438	1,421	405
Non-residential	1	Commercial Lighting	CLGT	2010	399	399	3,722,993	3,722,993	3,324,213	3,324,213	3,397	3,026
Non-residential	1	Commercial Lighting	CLGT	2011	1,308	1,707	32,997,097	36,720,091	29,341,246	32,665,459	14,078	12,516
Non-residential	1	Commercial Lighting	CLGT	2012	728	2,435	74,225,253	110,945,344	65,921,373	98,586,832	21,139	18,768
Non-residential	1	Commercial Lighting	CLGT	2013	0	2,435	81,653,121	192,598,465	72,495,036	171,081,868	21,186	18,810
Non-residential	1	Commercial Lighting	CLGT	2014	21	2,456	81,957,486	274,555,951	72,764,398	243,846,266	21,370	18,973
Non-residential	1	Commercial Lighting	CLGT	2015	0	2,456	82,548,782	357,104,733	73,287,696	317,133,962	21,419	19,016
Non-residential	1	Commercial Lighting	CLGT	2016	0	2,456	82,548,483	439,653,217	73,287,430	390,421,393	21,449	19,042
Non-residential	1	Commercial Lighting	CLGT	2017	0	2,456	82,548,772	522,201,988	73,287,687	463,709,079	21,463	19,054
Non-residential	1	Commercial Lighting	CLGT	2018	0	2,456	82,549,074	604,751,063	73,287,955	536,997,034	21,418	19,015
Non-residential	1	Commercial Lighting	CLGT	2019	0	2,456	82,548,776	687,299,839	73,287,690	610,284,724	21,419	19,016
Non-residential	1	Commercial Lighting	CLGT	2020	0	2,456	78,856,807	766,156,646	69,991,139	680,275,863	21,405	19,003
Non-residential	1	Commercial Lighting	CLGT	2021	0	2,006	49,696,672	815,853,318	44,075,282	724,351,145	17,298	15,347
Non-residential	1	Commercial Lighting	CLGT	2022	0	592	8,399,874	824,253,192	7,433,888	731,785,034	6,379	5,646
Non-residential	1	Commercial Lighting	CLGT	2023	0	21	895,656	30,344,121	792,656	26,854,547	234	207
Non-residential	1	Commercial Lighting	CLGT	2024	0	21	594,448	30,938,569	526,086	27,380,634	232	206

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	2	Residential Home Energy Check-up	EAR1	2012	31	31	1,896	1,896	2,395	2,395	4	5
Residential	2	Residential Home Energy Check-up	EAR1	2013	1,569	1,600	229,975	231,871	290,412	292,807	208	263
Residential	2	Residential Home Energy Check-up	EAR1	2014	19,703	21,303	4,984,540	5,216,411	6,294,477	6,587,284	2,072	2,617
Residential	2	Residential Home Energy Check-up	EAR1	2015	13,860	35,163	15,089,432	20,305,844	19,054,935	25,642,219	3,806	4,806
Residential	2	Residential Home Energy Check-up	EAR1	2016	15,252	50,415	21,834,051	42,139,894	27,572,039	53,214,258	5,300	6,692
Residential	2	Residential Home Energy Check-up	EAR1	2017	1,500	51,915	26,125,998	68,265,893	32,991,911	86,206,169	7,485	9,452
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	51,915	26,194,263	94,460,156	33,078,116	119,284,285	7,494	9,463
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	51,915	26,194,483	120,654,639	33,078,393	152,362,678	7,494	9,463
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	51,915	26,194,482	146,849,121	33,078,392	185,441,070	7,234	9,135
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	51,915	26,194,704	173,043,825	33,078,672	218,519,742	7,489	9,457
Residential	2	Residential Home Energy Check-up	EAR1	2022	0	51,915	26,192,660	199,236,485	33,076,092	251,595,834	7,490	9,458
Residential	2	Residential Home Energy Check-up	EAR1	2023	0	51,862	25,966,364	225,202,850	32,790,325	284,386,158	7,477	9,442
Residential	2	Residential Home Energy Check-up	EAR1	2024	0	49,774	21,236,234	246,439,083	26,817,116	311,203,274	6,837	8,634
Residential	2	Residential Home Energy Check-up	EAR1	2025	0	28,783	11,123,810	257,562,893	14,047,147	325,250,421	3,812	4,814
Residential	2	Residential Home Energy Check-up	EAR1	2026	0	16,015	4,379,908	261,942,801	5,530,948	330,781,369	2,034	2,569
Residential	2	Residential Home Energy Check-up	EAR1	2027	0	431	71,286	262,014,087	90,020	330,871,389	194	245
Residential	2	Residential Heat Pump Tune-up	HPTU	2012	1,212	1,212	49,069	49,069	43,721	43,721	120	107
Residential	2	Residential Heat Pump Tune-up	HPTU	2013	15,633	16,845	2,360,790	2,409,859	2,103,464	2,147,185	2,132	1,900
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	24,687	41,532	7,457,039	9,866,899	6,644,222	8,791,407	5,033	4,484
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	24,114	65,646	13,898,915	23,765,814	12,383,933	21,175,340	7,247	6,457
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	19,008	84,654	18,215,031	41,980,845	16,229,593	37,404,933	8,183	7,291
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	2,472	87,126	20,774,865	62,755,710	18,510,405	55,915,338	9,504	8,468
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	0	85,378	18,492,421	81,248,131	16,476,747	72,392,085	9,362	8,342
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	0	69,286	13,402,817	94,650,948	11,941,910	84,333,994	6,342	5,651
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	0	43,626	6,958,833	101,609,781	6,200,320	90,534,315	3,330	2,967
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	0	19,719	2,643,546	104,253,327	2,355,399	92,889,714	1,564	1,394
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	0	251	22,331	104,275,658	19,897	92,909,611	96	85
Residential	2	Residential Duct Sealing	RDUC	2012	8	8	1,995	1,995	782	782	5	2
Residential	2	Residential Duct Sealing	RDUC	2013	108	116	68,778	70,773	26,961	27,743	58	23
Residential	2	Residential Duct Sealing	RDUC	2014	401	517	196,048	266,821	76,851	104,594	155	61
Residential	2	Residential Duct Sealing	RDUC	2015	1,860	2,377	861,186	1,128,007	337,585	442,179	607	238
Residential	2	Residential Duct Sealing	RDUC	2016	658	3,035	1,595,279	2,723,287	625,349	1,067,528	848	332
Residential	2	Residential Duct Sealing	RDUC	2017	264	3,299	1,923,852	4,647,138	754,150	1,821,678	968	380
Residential	2	Residential Duct Sealing	RDUC	2018	0	3,299	1,934,669	6,581,807	758,390	2,580,068	989	388
Residential	2	Residential Duct Sealing	RDUC	2019	0	3,299	1,934,698	8,516,504	758,401	3,338,470	989	388
Residential	2	Residential Duct Sealing	RDUC	2020	0	3,299	1,934,698	10,451,202	758,401	4,096,871	989	388
Residential	2	Residential Duct Sealing	RDUC	2021	0	3,299	1,934,726	12,385,928	758,413	4,855,284	990	388
Residential	2	Residential Duct Sealing	RDUC	2022	0	3,299	1,934,698	14,320,626	758,401	5,613,685	990	388
Residential	2	Residential Duct Sealing	RDUC	2023	0	3,299	1,934,697	16,255,323	758,401	6,372,087	990	388
Residential	2	Residential Duct Sealing	RDUC	2024	0	3,299	1,934,669	18,189,992	758,390	7,130,477	989	388
Residential	2	Residential Duct Sealing	RDUC	2025	0	3,299	1,934,698	20,124,690	758,401	7,888,878	989	388
Residential	2	Residential Duct Sealing	RDUC	2026	0	3,299	1,934,698	22,059,387	758,401	8,647,280	990	388
Residential	2	Residential Duct Sealing	RDUC	2027	0	3,299	1,934,726	23,994,113	758,413	9,405,692	990	388
Residential	2	Residential Duct Sealing	RDUC	2028	0	3,299	1,934,697	25,928,811	758,401	10,164,094	990	388
Residential	2	Residential Duct Sealing	RDUC	2029	0	3,299	1,934,669	27,863,480	758,390	10,922,484	989	388
Residential	2	Residential Duct Sealing	RDUC	2030	0	3,299	1,932,741	29,796,221	757,635	11,680,119	989	388
Residential	2	Residential Duct Sealing	RDUC	2031	0	3,291	1,866,208	31,662,429	731,553	12,411,672	983	385
Residential	2	Residential Duct Sealing	RDUC	2032	0	3,168	1,739,054	33,401,483	681,709	13,093,381	905	355
Residential	2	Residential Duct Sealing	RDUC	2033	0	2,676	1,076,437	34,477,919	421,963	13,515,344	735	288
Residential	2	Residential Duct Sealing	RDUC	2034	0	869	340,571	34,818,491	133,504	13,648,848	161	63
Residential	2	Residential Duct Sealing	RDUC	2035	0	163	11,081	34,829,572	4,344	13,653,192	21	8
Residential	2	Residential Heat Pump Upgrade	RHEH	2012	86	86	26,016	26,016	23,595	23,595	56	51
Residential	2	Residential Heat Pump Upgrade	RHEH	2013	3,295	3,381	2,658,006	2,684,022	2,410,678	2,434,274	2,634	2,389
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	3,648	7,029	9,586,278	12,270,300	8,694,275	11,128,548	5,215	4,729
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	4,210	11,239	13,824,764	26,095,064	11,818,138	22,946,687	6,859	6,217
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	5,396	16,635	16,418,713	42,513,777	12,728,786	35,675,473	7,166	6,325
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	1,149	17,784	18,488,107	61,001,884	13,454,972	49,130,445	7,967	6,535
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	17,784	18,563,963	79,565,847	13,481,426	62,611,870	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	17,784	18,564,271	98,130,118	13,481,704	76,093,575	8,189	6,590
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	17,784	18,564,273	116,694,390	13,481,706	89,575,281	8,186	6,588
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	17,784	18,564,582	135,258,973	13,481,986	103,057,267	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	17,784	18,564,272	153,823,245	13,481,706	116,538,973	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	17,784	18,564,273	172,387,517	13,481,706	130,020,679	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	17,784	18,563,962	190,951,479	13,481,425	143,502,104	8,188	6,590
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	17,784	18,564,272	209,515,751	13,481,705	156,983,809	8,188	6,590
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	17,784	18,564,272	228,080,023	13,481,706	170,465,515	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	0	17,784	18,538,973	246,618,996	13,458,759	183,924,274	8,187	6,589
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	0	17,664	15,915,685	262,534,681	11,079,569	195,003,844	8,082	6,492
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	0	14,119	8,989,310	271,523,991	4,797,695	199,801,538	4,532	3,266
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	0	10,454	4,747,153	276,271,144	1,666,251	201,467,789	1,702	597
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	0	6,124	2,155,723	278,426,867	756,659	202,224,448	1,078	378
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	0	321	77,885	278,504,752	27,337	202,251,786	235	83

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	2	Residential Home Energy Check-up	EAR1	2012								
Residential	2	Residential Home Energy Check-up	EAR1	2013								
Residential	2	Residential Home Energy Check-up	EAR1	2014								
Residential	2	Residential Home Energy Check-up	EAR1	2015	996	996	377,971	377,971	477,302	477,302	128	162
Residential	2	Residential Home Energy Check-up	EAR1	2016	4	1,000	594,551	972,522	750,799	1,228,101	165	209
Residential	2	Residential Home Energy Check-up	EAR1	2017	49	1,049	625,230	1,597,753	789,541	2,017,642	178	225
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	1,049	629,707	2,227,460	795,194	2,812,836	180	227
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	1,049	629,716	2,857,176	795,205	3,608,041	180	227
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	1,049	629,716	3,486,891	795,205	4,403,246	173	219
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	1,049	629,724	4,116,616	795,216	5,198,462	179	227
Residential	2	Residential Home Energy Check-up	EAR1	2022	0	1,049	629,716	4,746,331	795,205	5,993,667	179	227
Residential	2	Residential Home Energy Check-up	EAR1	2023	0	1,049	629,716	5,376,047	795,205	6,788,872	179	227
Residential	2	Residential Home Energy Check-up	EAR1	2024	0	1,049	629,707	6,005,754	795,194	7,584,066	173	219
Residential	2	Residential Home Energy Check-up	EAR1	2025	0	1,049	253,048	6,258,803	319,549	7,903,616	180	227
Residential	2	Residential Home Energy Check-up	EAR1	2026	0	50	35,178	6,293,980	44,422	7,948,038	9	11
Residential	2	Residential Home Energy Check-up	EAR1	2027	0	44	4,595	6,298,575	5,803	7,953,841	8	10
Residential	2	Residential Heat Pump Tune-up	HPTU	2012								
Residential	2	Residential Heat Pump Tune-up	HPTU	2013								
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	581	581	27,166	27,166	24,205	24,205	57	51
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	3,307	3,888	685,507	712,673	610,787	634,992	481	428
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	1,274	5,162	1,163,570	1,876,243	1,036,741	1,671,733	722	643
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	125	5,287	1,350,944	3,227,187	1,203,691	2,875,424	777	693
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	0	5,287	1,353,268	4,580,455	1,205,762	4,081,185	777	692
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	0	5,287	1,326,613	5,907,068	1,182,012	5,263,198	777	692
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	0	4,258	670,222	6,577,291	597,168	5,860,366	327	292
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	0	1,305	190,841	6,768,131	170,039	6,030,405	124	110
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	0	45	2,426	6,770,558	2,162	6,032,567	6	5
Residential	2	Residential Duct Sealing	RDUC	2012								
Residential	2	Residential Duct Sealing	RDUC	2013								
Residential	2	Residential Duct Sealing	RDUC	2014								
Residential	2	Residential Duct Sealing	RDUC	2015	323	323	107,676	107,676	42,209	42,209	87	34
Residential	2	Residential Duct Sealing	RDUC	2016	217	540	277,651	385,328	108,839	151,048	124	49
Residential	2	Residential Duct Sealing	RDUC	2017	14	554	338,239	723,567	132,590	283,638	159	62
Residential	2	Residential Duct Sealing	RDUC	2018	0	554	338,629	1,062,195	132,743	416,381	160	63
Residential	2	Residential Duct Sealing	RDUC	2019	0	554	338,633	1,400,829	132,744	549,125	160	63
Residential	2	Residential Duct Sealing	RDUC	2020	0	554	338,633	1,739,462	132,744	681,869	160	63
Residential	2	Residential Duct Sealing	RDUC	2021	0	554	338,638	2,078,099	132,746	814,615	160	63
Residential	2	Residential Duct Sealing	RDUC	2022	0	554	338,633	2,416,732	132,744	947,359	160	63
Residential	2	Residential Duct Sealing	RDUC	2023	0	554	338,633	2,755,366	132,744	1,080,103	160	63
Residential	2	Residential Duct Sealing	RDUC	2024	0	554	338,629	3,093,995	132,743	1,212,846	160	63
Residential	2	Residential Duct Sealing	RDUC	2025	0	554	338,633	3,432,628	132,744	1,345,590	160	63
Residential	2	Residential Duct Sealing	RDUC	2026	0	554	338,633	3,771,261	132,744	1,478,334	160	63
Residential	2	Residential Duct Sealing	RDUC	2027	0	554	338,638	4,109,898	132,746	1,611,080	160	63
Residential	2	Residential Duct Sealing	RDUC	2028	0	554	338,633	4,448,532	132,744	1,743,824	160	63
Residential	2	Residential Duct Sealing	RDUC	2029	0	554	338,629	4,787,160	132,743	1,876,567	160	63
Residential	2	Residential Duct Sealing	RDUC	2030	0	554	338,633	5,125,794	132,744	2,009,311	160	63
Residential	2	Residential Duct Sealing	RDUC	2031	0	554	338,633	5,464,427	132,744	2,142,055	160	63
Residential	2	Residential Duct Sealing	RDUC	2032	0	554	338,638	5,803,064	132,746	2,274,801	160	63
Residential	2	Residential Duct Sealing	RDUC	2033	0	553	231,319	6,034,384	90,677	2,365,478	160	63
Residential	2	Residential Duct Sealing	RDUC	2034	0	230	61,327	6,095,711	24,040	2,389,519	48	19
Residential	2	Residential Duct Sealing	RDUC	2035	0	6	402	6,096,112	157	2,389,676	1	0
Residential	2	Residential Heat Pump Upgrade	RHEH	2012								
Residential	2	Residential Heat Pump Upgrade	RHEH	2013								
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	44	44	13,816	13,816	12,530	12,530	23	20
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	597	641	237,500	251,316	123,641	136,171	154	64
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	665	1,306	508,773	760,089	218,858	355,029	269	104
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	118	1,424	725,515	1,485,604	294,934	649,963	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	1,424	735,284	2,220,888	298,362	948,324	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	1,424	735,286	2,956,174	298,363	1,246,688	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	1,424	735,286	3,691,460	298,363	1,545,051	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	1,424	735,288	4,426,748	298,365	1,843,416	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	1,424	735,286	5,162,034	298,363	2,141,780	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	1,424	735,286	5,897,320	298,363	2,440,143	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	1,424	735,284	6,632,604	298,362	2,738,505	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	1,424	735,286	7,367,890	298,363	3,036,868	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	1,424	735,286	8,103,176	298,363	3,335,231	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	0	1,424	735,288	8,838,464	298,365	3,633,596	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	0	1,424	735,286	9,573,750	298,363	3,931,960	321	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	0	1,424	721,572	10,295,322	285,925	4,217,885	320	122
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	0	1,346	498,634	10,793,956	175,020	4,392,906	168	59
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	0	760	227,390	11,021,346	79,814	4,472,719	114	40
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	0	42	10,017	11,031,362	3,516	4,476,235	27	9

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	2	Residential Home Energy Check-up	EAR1	2012	31	31	1,896	1,896	2,395	2,395	4	5
Residential	2	Residential Home Energy Check-up	EAR1	2013	1,569	1,600	229,975	231,871	290,412	292,807	208	263
Residential	2	Residential Home Energy Check-up	EAR1	2014	19,703	21,303	4,984,540	5,216,411	6,294,477	6,587,284	2,072	2,617
Residential	2	Residential Home Energy Check-up	EAR1	2015	14,856	36,159	15,467,403	20,683,815	19,532,237	26,119,521	3,934	4,968
Residential	2	Residential Home Energy Check-up	EAR1	2016	15,256	51,415	22,428,602	43,112,416	28,322,838	54,442,359	5,465	6,901
Residential	2	Residential Home Energy Check-up	EAR1	2017	1,549	52,964	26,751,229	69,863,645	33,781,452	88,223,811	7,663	9,677
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	52,964	26,823,971	96,687,616	33,873,310	122,097,121	7,673	9,690
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	52,964	26,824,198	123,511,814	33,873,598	155,970,719	7,674	9,690
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	52,964	26,824,198	150,336,012	33,873,597	189,844,316	7,407	9,353
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	52,964	26,824,428	177,160,440	33,873,888	223,718,204	7,669	9,684
Residential	2	Residential Home Energy Check-up	EAR1	2022	0	52,964	26,822,376	203,982,817	33,871,297	257,589,501	7,669	9,684
Residential	2	Residential Home Energy Check-up	EAR1	2023	0	52,911	26,596,080	230,578,897	33,585,530	291,175,031	7,657	9,669
Residential	2	Residential Home Energy Check-up	EAR1	2024	0	50,823	21,865,941	252,444,838	27,612,310	318,787,341	7,011	8,853
Residential	2	Residential Home Energy Check-up	EAR1	2025	0	29,832	11,376,858	263,821,696	14,366,697	333,154,037	3,991	5,040
Residential	2	Residential Home Energy Check-up	EAR1	2026	0	16,065	4,415,085	268,236,781	5,575,370	338,729,407	2,043	2,580
Residential	2	Residential Home Energy Check-up	EAR1	2027	0	475	75,881	268,312,663	95,823	338,825,230	202	255
Residential	2	Residential Heat Pump Tune-up	HPTU	2012	1,212	1,212	49,069	49,069	43,721	43,721	120	107
Residential	2	Residential Heat Pump Tune-up	HPTU	2013	15,633	16,845	2,360,790	2,409,859	2,103,464	2,147,185	2,132	1,900
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	25,268	42,113	7,484,205	9,894,064	6,668,427	8,815,611	5,090	4,535
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	27,421	69,534	14,584,422	24,478,487	12,994,720	21,810,332	7,728	6,885
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	20,282	89,816	19,378,601	43,857,088	17,266,334	39,076,666	8,905	7,934
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	2,597	92,413	22,125,809	65,982,897	19,714,096	58,790,761	10,281	9,160
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	0	90,665	19,845,689	85,828,586	17,682,509	76,473,270	10,139	9,034
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	0	74,573	14,729,430	100,558,016	13,123,922	89,597,192	7,119	6,343
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	0	47,884	7,629,055	108,187,071	6,797,488	96,394,681	3,657	3,258
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	0	21,024	2,834,387	111,021,458	2,525,439	98,920,119	1,688	1,504
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	0	296	24,758	111,046,216	22,059	98,942,178	102	91
Residential	2	Residential Duct Sealing	RDUC	2012	8	8	1,995	1,995	782	782	5	2
Residential	2	Residential Duct Sealing	RDUC	2013	108	116	68,778	70,773	26,961	27,743	58	23
Residential	2	Residential Duct Sealing	RDUC	2014	401	517	196,048	266,821	76,851	104,594	155	61
Residential	2	Residential Duct Sealing	RDUC	2015	2,183	2,700	968,862	1,235,684	379,794	484,388	694	272
Residential	2	Residential Duct Sealing	RDUC	2016	875	3,575	1,872,930	3,108,614	734,189	1,218,577	972	381
Residential	2	Residential Duct Sealing	RDUC	2017	278	3,853	2,262,091	5,370,705	886,740	2,105,316	1,127	442
Residential	2	Residential Duct Sealing	RDUC	2018	0	3,853	2,273,298	7,644,002	891,133	2,996,449	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2019	0	3,853	2,273,331	9,917,333	891,146	3,887,595	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2020	0	3,853	2,273,331	12,190,664	891,146	4,778,740	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2021	0	3,853	2,273,364	14,464,028	891,159	5,669,899	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2022	0	3,853	2,273,331	16,737,358	891,146	6,561,044	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2023	0	3,853	2,273,331	19,010,689	891,146	7,452,190	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2024	0	3,853	2,273,298	21,283,987	891,133	8,343,323	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2025	0	3,853	2,273,331	23,557,317	891,146	9,234,468	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2026	0	3,853	2,273,331	25,830,648	891,146	10,125,614	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2027	0	3,853	2,273,364	28,104,012	891,159	11,016,773	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2028	0	3,853	2,273,331	30,377,342	891,146	11,907,918	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2029	0	3,853	2,273,298	32,650,640	891,133	12,799,051	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2030	0	3,853	2,271,375	34,922,015	890,379	13,689,430	1,150	451
Residential	2	Residential Duct Sealing	RDUC	2031	0	3,845	2,204,841	37,126,856	864,298	14,553,727	1,143	448
Residential	2	Residential Duct Sealing	RDUC	2032	0	3,722	2,077,692	39,204,547	814,455	15,368,183	1,066	418
Residential	2	Residential Duct Sealing	RDUC	2033	0	3,229	1,307,756	40,512,303	512,640	15,880,823	895	351
Residential	2	Residential Duct Sealing	RDUC	2034	0	1,099	401,899	40,914,202	157,544	16,038,367	209	82
Residential	2	Residential Duct Sealing	RDUC	2035	0	169	11,483	40,925,685	4,501	16,042,868	23	9
Residential	2	Residential Heat Pump Upgrade	RHEH	2012	86	86	26,016	26,016	23,595	23,595	56	51
Residential	2	Residential Heat Pump Upgrade	RHEH	2013	3,295	3,381	2,658,006	2,684,022	2,410,678	2,434,274	2,634	2,389
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	3,692	7,073	9,600,094	12,284,116	8,706,805	11,141,079	5,237	4,750
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	4,807	11,880	14,062,264	26,346,380	11,941,779	23,082,857	7,013	6,281
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	6,061	17,941	16,927,486	43,273,866	12,947,644	36,030,502	7,435	6,429
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	1,267	19,208	19,213,622	62,487,488	13,749,905	49,780,407	8,288	6,657
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	19,208	19,299,247	81,786,735	13,779,787	63,560,195	8,509	6,711
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	19,208	19,299,557	101,086,291	13,780,068	77,340,262	8,510	6,713
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	19,208	19,299,559	120,385,850	13,780,070	91,120,332	8,507	6,710
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	19,208	19,299,871	139,685,721	13,780,351	104,900,683	8,509	6,712
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	19,208	19,299,558	158,985,279	13,780,069	118,680,752	8,509	6,712
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	19,208	19,299,559	178,284,838	13,780,069	132,460,822	8,509	6,711
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	19,208	19,299,246	197,584,083	13,779,787	146,240,608	8,510	6,712
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	19,208	19,299,558	216,883,641	13,780,069	160,020,677	8,509	6,712
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	19,208	19,299,558	236,183,199	13,780,069	173,800,746	8,509	6,711
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	0	19,208	19,274,261	255,457,460	13,757,125	187,557,871	8,509	6,712
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	0	19,088	16,650,971	272,108,431	11,377,933	198,935,803	8,404	6,614
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	0	15,543	9,710,882	281,819,313	5,083,620	204,019,424	4,853	3,388
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	0	11,800	5,245,787	287,065,100	1,841,271	205,860,695	1,870	656
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	0	6,884	2,383,113	289,448,213	836,473	206,697,167	1,192	418
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	0	363	87,901	289,536,114	30,853	206,728,021	262	92

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2012	11	11	5,424	5,424	4,577	4,577	20	17
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2013	357	368	449,890	455,314	379,662	384,240	460	388
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2014	1,700	2,068	11,785,222	12,240,536	9,945,548	10,329,788	8,278	6,986
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2015	1,655	3,723	40,445,663	52,686,199	34,132,095	44,461,883	17,395	14,680
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2016	640	4,363	64,222,331	116,908,529	54,197,225	98,659,108	28,086	23,702
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2017	81	4,444	80,739,484	197,648,013	68,136,050	166,795,158	33,190	28,009
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2018	0	4,444	81,404,627	279,052,640	68,697,365	235,492,523	33,174	27,996
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2019	0	4,444	81,405,859	360,458,499	68,698,404	304,190,927	33,179	27,999
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2020	0	4,444	81,405,889	441,864,388	68,698,429	372,889,357	33,149	27,974
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2021	0	4,444	81,407,109	523,271,497	68,699,459	441,588,816	33,238	28,050
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2022	0	4,444	81,405,854	604,677,351	68,698,400	510,287,216	33,234	28,046
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2023	0	4,444	81,405,858	686,083,209	68,698,404	578,985,620	33,190	28,009
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2024	0	4,444	81,404,626	767,487,835	68,697,364	647,682,984	33,171	27,993
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2025	0	4,444	81,405,864	848,893,699	68,698,409	716,381,393	33,169	27,991
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2026	0	4,444	81,405,886	930,299,585	68,698,427	785,079,820	33,158	27,982
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2027	0	4,444	81,407,103	1,011,706,688	68,699,454	853,779,274	33,238	28,050
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2028	0	4,444	81,405,854	1,093,112,542	68,698,400	922,477,674	33,207	28,023
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2029	0	4,444	81,404,627	1,174,517,169	68,697,365	991,175,039	33,174	27,996
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2030	0	4,444	81,405,864	1,255,923,033	68,698,408	1,059,873,447	33,179	27,999
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2031	0	4,444	81,405,870	1,337,328,902	68,698,414	1,128,571,861	33,169	27,991
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2032	0	4,444	81,407,123	1,418,736,025	68,699,471	1,197,271,332	33,179	28,000
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2033	0	4,444	81,405,854	1,500,141,880	68,698,400	1,265,969,732	33,234	28,046
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2034	0	4,444	81,405,860	1,581,547,739	68,698,405	1,334,668,137	33,190	28,009
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2035	0	4,444	81,404,628	1,662,952,367	68,697,365	1,403,365,503	33,174	27,996
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2036	0	4,444	81,405,861	1,744,358,228	68,698,406	1,472,063,909	33,182	28,002
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2037	0	4,444	81,400,484	1,825,758,712	68,693,869	1,540,757,777	33,158	27,982
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2038	0	4,431	80,961,905	1,906,720,618	68,323,752	1,609,081,529	33,150	27,976
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2039	0	4,056	69,702,276	1,976,422,893	58,821,750	1,667,903,280	29,292	24,719
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2040	0	2,280	41,036,644	2,017,459,538	34,630,824	1,702,534,104	18,439	15,561
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2041	0	675	17,296,666	2,034,756,204	14,596,656	1,717,130,760	13,519	11,408
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2042	0	40	713,395	2,035,469,599	602,034	1,717,732,794	6,726	5,676
Non-residential	2	Non-residential Energy Audit	EACI	2012	1	1	1,448	1,448	1,411	1,411	8	8
Non-residential	2	Non-residential Energy Audit	EACI	2013	302	303	833,282	834,730	655,334	656,745	844	683
Non-residential	2	Non-residential Energy Audit	EACI	2014	1,116	1,419	16,964,109	17,798,839	14,564,826	15,221,571	4,566	4,125
Non-residential	2	Non-residential Energy Audit	EACI	2015	73	1,492	36,718,660	54,517,499	33,071,018	48,292,589	6,057	5,457
Non-residential	2	Non-residential Energy Audit	EACI	2016	125	1,617	38,854,892	93,372,391	35,046,663	83,339,252	6,484	5,850
Non-residential	2	Non-residential Energy Audit	EACI	2017	15	1,632	43,736,487	137,108,877	39,550,566	122,889,818	7,163	6,478
Non-residential	2	Non-residential Energy Audit	EACI	2018	0	1,632	43,751,109	180,859,986	39,562,852	162,452,671	7,161	6,476
Non-residential	2	Non-residential Energy Audit	EACI	2019	0	1,632	43,749,832	224,609,818	39,561,595	202,014,265	7,161	6,476
Non-residential	2	Non-residential Energy Audit	EACI	2020	0	1,632	42,932,340	267,542,158	38,918,406	240,932,671	7,109	6,431
Non-residential	2	Non-residential Energy Audit	EACI	2021	0	1,393	26,873,540	294,415,698	25,078,064	266,010,735	4,498	4,161
Non-residential	2	Non-residential Energy Audit	EACI	2022	0	483	7,034,128	301,449,827	6,493,455	272,504,190	1,105	1,019
Non-residential	2	Non-residential Energy Audit	EACI	2023	0	419	4,915,682	306,365,509	4,534,154	277,038,344	980	904
Non-residential	2	Non-residential Energy Audit	EACI	2024	0	2	15,396	306,380,905	12,934	277,051,278	51	41

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2012								
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2013								
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2014	60	60	71,583	71,583	60,409	60,409	157	132
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2015	152	212	2,216,235	2,287,818	1,870,281	1,930,689	1,217	1,027
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2016	33	245	3,208,868	5,496,686	2,707,964	4,638,653	1,392	1,175
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2017	5	250	3,658,196	9,154,882	3,087,152	7,725,805	1,554	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2018	0	250	3,731,045	12,885,927	3,148,629	10,874,434	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2019	0	250	3,731,098	16,617,025	3,148,673	14,023,107	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2020	0	250	3,731,099	20,348,124	3,148,674	17,171,782	1,552	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2021	0	250	3,731,151	24,079,275	3,148,719	20,320,500	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2022	0	250	3,731,097	27,810,373	3,148,673	23,469,173	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2023	0	250	3,731,098	31,541,470	3,148,673	26,617,847	1,554	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2024	0	250	3,731,045	35,272,515	3,148,629	29,766,476	1,553	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2025	0	250	3,731,098	39,003,613	3,148,674	32,915,149	1,553	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2026	0	250	3,731,099	42,734,712	3,148,674	36,063,823	1,507	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2027	0	250	3,731,151	46,465,863	3,148,718	39,212,542	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2028	0	250	3,731,097	50,196,960	3,148,673	42,361,215	1,554	1,312
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2029	0	250	3,731,045	53,928,005	3,148,629	45,509,844	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2030	0	250	3,731,098	57,659,103	3,148,674	48,658,517	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2031	0	250	3,731,098	61,390,201	3,148,674	51,807,191	1,553	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2032	0	250	3,731,152	65,121,353	3,148,719	54,955,910	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2033	0	250	3,731,097	68,852,451	3,148,673	58,104,583	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2034	0	250	3,731,098	72,583,548	3,148,673	61,253,257	1,554	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2035	0	250	3,731,045	76,314,593	3,148,629	64,401,885	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2036	0	250	3,731,098	80,045,691	3,148,673	67,550,559	1,553	1,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2037	0	250	3,731,099	83,776,790	3,148,674	70,699,233	1,552	1,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2038	0	250	3,731,151	87,507,941	3,148,719	73,847,952	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2039	0	250	3,660,551	91,168,493	3,089,139	76,937,091	1,556	1,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2040	0	178	1,524,070	92,692,562	1,286,162	78,223,253	1,057	892
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2041	0	38	525,194	93,217,756	443,211	78,666,464	433	366
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2042	0	2	73,488	93,291,244	62,016	78,728,481	292	246
Non-residential	2	Non-residential Energy Audit	EACI	2012								
Non-residential	2	Non-residential Energy Audit	EACI	2013								
Non-residential	2	Non-residential Energy Audit	EACI	2014	16	16	64,704	64,704	64,091	64,091	60	60
Non-residential	2	Non-residential Energy Audit	EACI	2015	78	94	594,299	659,003	558,945	623,036	114	102
Non-residential	2	Non-residential Energy Audit	EACI	2016	12	106	756,742	1,415,746	678,892	1,301,929	116	104
Non-residential	2	Non-residential Energy Audit	EACI	2017	2	108	1,660,192	3,075,938	1,427,314	2,729,243	787	631
Non-residential	2	Non-residential Energy Audit	EACI	2018	0	108	1,817,686	4,893,624	1,551,227	4,280,470	906	725
Non-residential	2	Non-residential Energy Audit	EACI	2019	0	108	1,817,756	6,711,380	1,551,282	5,831,752	906	725
Non-residential	2	Non-residential Energy Audit	EACI	2020	0	108	1,817,757	8,529,137	1,551,283	7,383,035	894	715
Non-residential	2	Non-residential Energy Audit	EACI	2021	0	108	1,754,426	10,283,563	1,488,537	8,871,572	909	727
Non-residential	2	Non-residential Energy Audit	EACI	2022	0	108	1,224,176	11,507,739	992,828	9,864,400	860	678
Non-residential	2	Non-residential Energy Audit	EACI	2023	0	32	1,061,729	12,569,469	873,065	10,737,465	836	662
Non-residential	2	Non-residential Energy Audit	EACI	2024	0	7	162,889	12,732,358	128,158	10,865,623	798	628

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2012	11	11	5,424	5,424	4,577	4,577	20	17
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2013	357	368	449,890	455,314	379,662	384,240	460	388
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2014	1,760	2,128	11,856,804	12,312,118	10,005,957	10,390,197	8,434	7,118
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2015	1,807	3,935	42,661,898	54,974,016	36,002,376	46,392,572	18,612	15,707
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2016	673	4,608	67,431,199	122,405,215	56,905,189	103,297,761	29,479	24,877
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2017	86	4,694	84,397,680	206,802,895	71,223,202	174,520,963	34,744	29,320
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2018	0	4,694	85,135,672	291,938,567	71,845,994	246,366,957	34,727	29,306
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2019	0	4,694	85,136,957	377,075,524	71,847,078	318,214,035	34,732	29,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2020	0	4,694	85,136,988	462,212,512	71,847,104	390,061,139	34,701	29,284
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2021	0	4,694	85,138,260	547,350,772	71,848,178	461,909,316	34,794	29,363
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2022	0	4,694	85,136,952	632,487,723	71,847,074	533,756,390	34,790	29,359
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2023	0	4,694	85,136,956	717,624,679	71,847,077	605,603,467	34,744	29,320
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2024	0	4,694	85,135,671	802,760,350	71,845,993	677,449,460	34,724	29,304
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2025	0	4,694	85,136,962	887,897,312	71,847,082	749,296,542	34,722	29,302
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2026	0	4,694	85,136,985	973,034,297	71,847,102	821,143,643	34,665	29,292
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2027	0	4,694	85,138,254	1,058,172,551	71,848,172	892,991,816	34,794	29,363
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2028	0	4,694	85,136,951	1,143,309,502	71,847,073	964,838,889	34,761	29,335
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2029	0	4,694	85,135,672	1,228,445,174	71,845,994	1,036,684,883	34,727	29,306
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2030	0	4,694	85,136,962	1,313,582,136	71,847,082	1,108,531,964	34,732	29,310
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2031	0	4,694	85,136,968	1,398,719,104	71,847,087	1,180,379,052	34,722	29,302
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2032	0	4,694	85,138,275	1,483,857,379	71,848,190	1,252,227,242	34,732	29,311
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2033	0	4,694	85,136,952	1,568,994,330	71,847,074	1,324,074,315	34,790	29,359
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2034	0	4,694	85,136,958	1,654,131,288	71,847,079	1,395,921,394	34,744	29,320
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2035	0	4,694	85,135,673	1,739,266,961	71,845,994	1,467,767,388	34,727	29,306
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2036	0	4,694	85,136,959	1,824,403,919	71,847,079	1,539,614,467	34,735	29,313
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2037	0	4,694	85,131,583	1,909,535,502	71,842,543	1,611,457,010	34,710	29,292
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2038	0	4,681	84,693,057	1,994,228,559	71,472,471	1,682,929,481	34,706	29,289
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2039	0	4,306	73,362,827	2,067,591,386	61,910,890	1,744,840,371	30,847	26,032
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2040	0	2,458	42,560,714	2,110,152,100	35,916,986	1,780,757,357	19,496	16,452
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2041	0	713	17,821,860	2,127,973,959	15,039,867	1,795,797,224	13,952	11,774
Non-residential	2	Non-residential Duct Testing and Sealing	CDUC	2042	0	42	786,883	2,128,760,842	664,050	1,796,461,275	7,018	5,922
Non-residential	2	Non-residential Energy Audit	EACI	2012	1	1	1,448	1,448	1,411	1,411	8	8
Non-residential	2	Non-residential Energy Audit	EACI	2013	302	303	833,282	834,730	655,334	656,745	844	683
Non-residential	2	Non-residential Energy Audit	EACI	2014	1,132	1,435	17,028,813	17,863,543	14,628,917	15,285,662	4,627	4,184
Non-residential	2	Non-residential Energy Audit	EACI	2015	151	1,586	37,312,959	55,176,502	33,629,963	48,915,626	6,171	5,560
Non-residential	2	Non-residential Energy Audit	EACI	2016	137	1,723	39,611,634	94,788,137	35,725,555	84,641,180	6,600	5,955
Non-residential	2	Non-residential Energy Audit	EACI	2017	17	1,740	45,396,679	140,184,815	40,977,881	125,619,061	7,950	7,109
Non-residential	2	Non-residential Energy Audit	EACI	2018	0	1,740	45,568,795	185,753,610	41,114,080	166,733,140	8,068	7,201
Non-residential	2	Non-residential Energy Audit	EACI	2019	0	1,740	45,567,588	231,321,198	41,112,877	207,846,018	8,067	7,201
Non-residential	2	Non-residential Energy Audit	EACI	2020	0	1,740	44,750,097	276,071,295	40,469,688	248,315,706	8,004	7,145
Non-residential	2	Non-residential Energy Audit	EACI	2021	0	1,501	28,627,966	304,699,261	26,566,601	274,882,307	5,407	4,889
Non-residential	2	Non-residential Energy Audit	EACI	2022	0	591	8,258,305	312,957,566	7,486,283	282,368,590	1,965	1,697
Non-residential	2	Non-residential Energy Audit	EACI	2023	0	451	5,977,412	318,934,978	5,407,219	287,775,809	1,816	1,565
Non-residential	2	Non-residential Energy Audit	EACI	2024	0	9	178,286	319,113,263	141,091	287,916,900	849	669

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2014	6	6	100,564	100,564	70,395	70,395	287	201
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2015	114	120	6,594,659	6,695,222	4,616,261	4,686,656	3,527	2,469
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2016	89	209	18,415,355	25,110,578	12,890,749	17,577,404	8,705	6,093
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2017	103	312	29,538,698	54,649,275	20,677,088	38,254,493	12,537	8,776
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2018	77	389	37,503,504	92,152,780	26,252,453	64,506,946	15,058	13,811
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2019	17	406	45,990,613	138,143,392	32,193,429	96,700,375	23,788	16,652
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2020	0	406	46,907,946	185,051,338	32,835,562	129,535,937	26,903	18,832
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2021	0	406	46,909,887	231,961,225	32,836,921	162,372,858	27,017	18,912
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2022	0	406	46,907,919	278,869,144	32,835,543	195,208,401	27,018	18,912
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2023	0	406	46,907,916	325,777,060	32,835,541	228,043,942	26,974	18,882
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2024	0	406	46,905,979	372,683,039	32,834,186	260,878,127	26,911	18,838
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2025	0	406	46,907,929	419,590,968	32,835,550	293,713,678	26,911	18,838
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2026	0	406	46,907,943	466,498,912	32,835,560	326,549,238	26,919	18,844
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2027	0	406	46,909,883	513,408,795	32,836,918	359,386,157	27,017	18,912
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2028	0	406	46,907,913	560,316,708	32,835,539	392,221,696	27,004	18,903
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2029	0	406	46,807,931	607,124,639	32,765,551	424,987,247	26,929	18,850
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2030	0	400	40,346,305	647,470,944	28,242,413	453,229,661	26,546	18,582
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2031	0	287	28,550,649	676,021,592	19,985,454	473,215,115	23,632	16,542
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2032	0	201	17,384,875	693,406,468	12,169,413	485,384,527	20,121	14,085
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2033	0	99	9,409,714	702,816,181	6,586,800	491,971,327	12,826	8,978
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2034	0	14	923,034	703,739,216	646,124	492,617,451	3,241	2,269
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2014	118	118	442,748	442,748	309,924	309,924	1,045	731
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2015	1,241	1,359	28,191,181	28,633,930	19,733,827	20,043,751	12,226	8,558
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2016	1,203	2,562	86,773,366	115,407,295	60,741,356	80,785,107	26,747	18,723
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2017	868	3,430	156,522,860	271,930,155	109,566,002	190,351,108	42,406	29,684
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2018	649	4,079	211,378,257	483,308,411	147,964,780	338,315,888	52,274	36,592
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2019	422	4,501	274,918,545	758,226,956	192,442,982	530,758,870	62,319	43,623
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2020	0	4,501	279,625,852	1,037,852,808	195,738,096	726,496,966	62,299	43,609
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2021	0	4,501	279,624,791	1,317,477,599	195,737,354	922,234,319	62,515	43,760
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2022	0	4,501	279,625,772	1,597,103,371	195,738,040	1,117,972,360	62,517	43,762
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2023	0	4,501	279,199,961	1,876,303,332	195,439,973	1,313,412,333	62,423	43,696
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2024	0	4,380	251,630,266	2,127,933,598	176,141,186	1,489,553,519	60,078	42,055
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2025	0	3,165	193,118,090	2,321,051,689	135,182,663	1,624,736,182	48,612	34,028
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2026	0	1,993	123,296,997	2,444,348,685	86,307,898	1,711,044,080	34,323	24,026
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2027	0	1,160	68,369,615	2,512,718,300	47,858,730	1,758,902,810	19,078	13,355
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2028	0	284	4,765,234	2,517,483,534	3,335,664	1,762,238,474	9,134	6,394
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2029								
Non-residential	3	Non-residential Window Film	CSWF	2014	3	3	483	483	386	386	4	3
Non-residential	3	Non-residential Window Film	CSWF	2015	22	25	4,189,934	4,190,417	3,351,947	3,352,333	5,305	4,244
Non-residential	3	Non-residential Window Film	CSWF	2016	70	95	4,499,842	8,690,259	3,599,874	6,952,207	5,615	4,492
Non-residential	3	Non-residential Window Film	CSWF	2017	59	154	5,486,702	14,176,961	4,389,362	11,341,569	7,106	5,685
Non-residential	3	Non-residential Window Film	CSWF	2018	91	245	6,526,389	20,703,350	5,221,111	16,562,680	8,121	6,497
Non-residential	3	Non-residential Window Film	CSWF	2019	8	253	6,608,945	27,312,295	5,287,156	21,849,836	8,162	6,530
Non-residential	3	Non-residential Window Film	CSWF	2020	0	253	6,609,660	33,921,955	5,287,728	27,137,564	8,143	6,515
Non-residential	3	Non-residential Window Film	CSWF	2021	0	253	6,609,660	40,531,615	5,287,728	32,425,292	8,202	6,562
Non-residential	3	Non-residential Window Film	CSWF	2022	0	253	6,609,660	47,141,275	5,287,728	37,713,020	8,190	6,552
Non-residential	3	Non-residential Window Film	CSWF	2023	0	253	6,609,660	53,750,935	5,287,728	43,000,748	8,145	6,516
Non-residential	3	Non-residential Window Film	CSWF	2024	0	253	6,609,240	60,360,175	5,287,392	48,288,140	8,162	6,530
Non-residential	3	Non-residential Window Film	CSWF	2025	0	249	2,423,969	62,784,144	1,939,175	50,227,315	2,845	2,276
Non-residential	3	Non-residential Window Film	CSWF	2026	0	227	2,110,792	64,894,936	1,688,634	51,915,949	2,523	2,019
Non-residential	3	Non-residential Window Film	CSWF	2027	0	161	1,127,082	66,022,018	901,666	52,817,615	1,551	1,241
Non-residential	3	Non-residential Window Film	CSWF	2028	0	102	83,575	66,105,593	66,860	52,884,475	76	60
Non-residential	3	Non-residential Window Film	CSWF	2029	0	8	730	66,106,324	584	52,885,059	4	3

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2014								
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2015	3	3	66,074	66,074	46,252	46,252	40	28
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2016	6	9	270,371	336,444	189,259	235,511	163	114
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2017	3	12	422,497	758,941	295,748	531,259	186	130
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2018	3	15	601,940	1,360,881	421,358	952,617	341	239
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2019	1	16	733,297	2,094,178	513,308	1,465,925	411	287
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2020	0	16	772,489	2,866,668	540,743	2,006,667	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2021	0	16	772,525	3,639,193	540,768	2,547,435	482	337
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2022	0	16	772,489	4,411,682	540,742	3,088,177	482	337
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2023	0	16	772,489	5,184,171	540,742	3,628,920	481	337
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2024	0	16	772,453	5,956,624	540,717	4,169,637	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2025	0	16	772,489	6,729,113	540,742	4,710,379	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2026	0	16	772,489	7,501,602	540,743	5,251,122	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2027	0	16	772,525	8,274,128	540,768	5,791,889	482	337
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2028	0	16	772,489	9,046,617	540,742	6,332,632	481	337
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2029	0	16	772,453	9,819,070	540,717	6,873,349	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2030	0	16	706,692	10,525,761	494,684	7,368,033	480	336
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2031	0	13	503,530	11,029,292	352,471	7,720,504	457	320
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2032	0	9	350,143	11,379,434	245,100	7,965,604	381	267
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2033	0	6	170,568	11,550,003	119,398	8,085,002	304	213
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2034	0	3	39,376	11,589,378	27,563	8,112,565	82	57
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2014								
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2015	13	13	138,378	138,378	96,864	96,864	124	87
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2016	43	56	2,154,249	2,292,627	1,507,974	1,604,839	858	601
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2017	23	79	4,861,417	7,154,044	3,402,992	5,007,831	1,252	876
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2018	43	122	6,926,618	14,080,662	4,848,632	9,856,463	2,377	1,664
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2019	62	184	12,803,409	26,884,071	8,962,386	18,818,849	3,053	2,137
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2020	17	201	14,352,787	41,236,857	10,046,951	28,865,800	3,217	2,252
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2021	0	201	14,439,860	55,676,717	10,107,902	38,973,702	3,228	2,260
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2022	0	201	14,439,910	70,116,627	10,107,937	49,081,639	3,228	2,260
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2023	0	201	14,439,910	84,556,537	10,107,937	59,189,576	3,224	2,256
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2024	0	201	14,303,824	98,860,362	10,012,677	69,202,253	3,216	2,251
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2025	0	187	12,300,090	111,160,452	8,610,063	77,812,316	3,064	2,145
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2026	0	145	9,583,296	120,743,748	6,708,307	84,520,623	2,314	1,620
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2027	0	125	7,522,866	128,266,614	5,266,007	89,786,630	1,952	1,366
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2028	0	82	1,643,955	129,910,569	1,150,768	90,937,398	790	553
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2029	0	18	90,063	130,000,632	63,044	91,000,442	131	91
Non-residential	3	Non-residential Window Film	CSWF	2014								
Non-residential	3	Non-residential Window Film	CSWF	2015								
Non-residential	3	Non-residential Window Film	CSWF	2016								
Non-residential	3	Non-residential Window Film	CSWF	2017								
Non-residential	3	Non-residential Window Film	CSWF	2018	1	1	1,821	1,821	1,457	1,457	2	2
Non-residential	3	Non-residential Window Film	CSWF	2019	0	1	4,516	6,337	3,613	5,069	2	2
Non-residential	3	Non-residential Window Film	CSWF	2020	0	1	4,516	10,853	3,613	8,682	2	2
Non-residential	3	Non-residential Window Film	CSWF	2021	0	1	4,516	15,369	3,613	12,295	2	2
Non-residential	3	Non-residential Window Film	CSWF	2022	0	1	4,516	19,884	3,613	15,908	2	2
Non-residential	3	Non-residential Window Film	CSWF	2023	0	1	4,516	24,400	3,613	19,520	2	2
Non-residential	3	Non-residential Window Film	CSWF	2024	0	1	4,516	28,916	3,613	23,133	2	2
Non-residential	3	Non-residential Window Film	CSWF	2025	0	1	4,516	33,432	3,613	26,746	2	2
Non-residential	3	Non-residential Window Film	CSWF	2026	0	1	4,516	37,948	3,613	30,359	2	2
Non-residential	3	Non-residential Window Film	CSWF	2027	0	1	4,516	42,464	3,613	33,971	2	2
Non-residential	3	Non-residential Window Film	CSWF	2028	0	1	2,707	45,171	2,165	36,137	2	2
Non-residential	3	Non-residential Window Film	CSWF	2029								

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2014	6	6	100,564	100,564	70,395	70,395	287	201
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2015	117	123	6,660,732	6,761,296	4,662,513	4,732,907	3,566	2,496
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2016	95	218	18,685,726	25,447,022	13,080,008	17,812,915	8,867	6,207
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2017	106	324	29,961,194	55,408,216	20,972,836	38,785,751	12,723	8,906
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2018	80	404	38,105,444	93,513,661	26,673,811	65,459,563	15,399	14,050
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2019	18	422	46,723,910	140,237,571	32,706,737	98,166,299	24,199	16,939
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2020	0	422	47,680,435	187,918,006	33,376,305	131,542,604	27,382	19,168
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2021	0	422	47,682,412	235,600,418	33,377,689	164,920,293	27,499	19,249
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2022	0	422	47,680,408	283,280,826	33,376,285	198,296,578	27,500	19,250
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2023	0	422	47,680,405	330,961,231	33,376,283	231,672,861	27,455	19,218
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2024	0	422	47,678,432	378,639,663	33,374,903	265,047,764	27,391	19,174
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2025	0	422	47,680,418	426,320,081	33,376,293	298,424,057	27,391	19,174
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2026	0	422	47,680,433	474,000,514	33,376,303	331,800,360	27,399	19,180
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2027	0	422	47,682,409	521,682,923	33,377,686	365,178,046	27,499	19,249
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2028	0	422	47,680,402	569,363,325	33,376,281	398,554,327	27,486	19,240
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2029	0	422	47,580,383	616,943,708	33,306,268	431,860,596	27,409	19,186
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2030	0	416	41,052,997	657,996,705	28,737,098	460,597,693	27,026	18,918
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2031	0	300	29,054,179	687,050,884	20,337,925	480,935,619	24,088	16,862
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2032	0	210	17,735,018	704,785,902	12,414,512	493,350,131	20,502	14,352
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2033	0	105	9,580,282	714,366,184	6,706,198	500,056,329	13,130	9,191
Non-residential	3	Non-residential Heating and Cooling Efficiency	CHV2	2034	0	17	962,410	715,328,594	673,687	500,730,016	3,323	2,326
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2014	118	118	442,748	442,748	309,924	309,924	1,045	731
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2015	1,254	1,372	28,329,559	28,772,307	19,830,691	20,140,615	12,350	8,645
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2016	1,246	2,618	88,927,615	117,699,922	62,249,330	82,389,946	27,606	19,324
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2017	891	3,509	161,384,277	279,084,199	112,968,994	195,358,939	43,658	30,561
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2018	692	4,201	218,304,874	497,389,073	152,813,412	348,172,351	54,651	38,256
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2019	484	4,685	287,721,954	785,111,027	201,405,368	549,577,719	65,372	45,761
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2020	17	4,702	293,978,638	1,079,089,666	205,785,047	755,362,766	65,516	45,861
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2021	0	4,702	294,064,651	1,373,154,316	205,845,255	961,208,021	65,743	46,020
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2022	0	4,702	294,065,682	1,667,219,998	205,845,978	1,167,053,999	65,745	46,022
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2023	0	4,702	293,639,871	1,960,859,870	205,547,910	1,372,601,909	65,646	45,952
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2024	0	4,581	265,934,091	2,226,793,960	186,153,864	1,558,755,772	63,294	44,306
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2025	0	3,352	205,418,180	2,432,212,140	143,792,726	1,702,548,498	51,676	36,173
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2026	0	2,138	132,880,293	2,565,092,433	93,016,205	1,795,564,703	36,636	25,645
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2027	0	1,285	75,892,481	2,640,984,914	53,124,737	1,848,689,440	21,030	14,721
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2028	0	366	6,409,188	2,647,394,102	4,486,432	1,853,175,872	9,924	6,947
Non-residential	3	Non-residential Lighting Systems & Controls	CLT2	2029	0	18	90,063	130,000,632	63,044	91,000,442	131	91
Non-residential	3	Non-residential Window Film	CSWF	2014	3	3	483	483	386	386	4	3
Non-residential	3	Non-residential Window Film	CSWF	2015	22	25	4,189,934	4,190,417	3,351,947	3,352,333	5,305	4,244
Non-residential	3	Non-residential Window Film	CSWF	2016	70	95	4,499,842	8,690,259	3,599,874	6,952,207	5,615	4,492
Non-residential	3	Non-residential Window Film	CSWF	2017	59	154	5,486,702	14,176,961	4,389,362	11,341,569	7,106	5,685
Non-residential	3	Non-residential Window Film	CSWF	2018	92	246	6,528,210	20,705,171	5,222,568	16,564,137	8,123	6,498
Non-residential	3	Non-residential Window Film	CSWF	2019	8	254	6,613,461	27,318,632	5,290,769	21,854,905	8,164	6,532
Non-residential	3	Non-residential Window Film	CSWF	2020	0	254	6,614,176	33,932,808	5,291,341	27,146,246	8,146	6,517
Non-residential	3	Non-residential Window Film	CSWF	2021	0	254	6,614,176	40,546,984	5,291,341	32,437,587	8,204	6,564
Non-residential	3	Non-residential Window Film	CSWF	2022	0	254	6,614,176	47,161,160	5,291,341	37,728,928	8,192	6,554
Non-residential	3	Non-residential Window Film	CSWF	2023	0	254	6,614,176	53,775,336	5,291,341	43,020,269	8,147	6,518
Non-residential	3	Non-residential Window Film	CSWF	2024	0	254	6,613,756	60,389,092	5,291,005	48,311,273	8,164	6,531
Non-residential	3	Non-residential Window Film	CSWF	2025	0	250	2,428,485	62,817,577	1,942,788	50,254,061	2,848	2,278
Non-residential	3	Non-residential Window Film	CSWF	2026	0	228	2,115,308	64,932,885	1,692,246	51,946,308	2,525	2,020
Non-residential	3	Non-residential Window Film	CSWF	2027	0	162	1,131,598	66,064,483	905,278	52,851,586	1,553	1,243
Non-residential	3	Non-residential Window Film	CSWF	2028	0	103	86,282	66,150,764	69,025	52,920,611	78	62
Non-residential	3	Non-residential Window Film	CSWF	2029	0	8	730	66,106,324	584	52,885,059	4	3

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2015	1,523	1,523	110,249	110,249	115,761	115,761	196	205
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	8,403	9,926	2,250,922	2,361,171	2,363,469	2,479,230	933	979
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2017	5,970	15,896	5,785,011	8,146,182	6,074,261	8,553,491	1,382	1,451
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2018	1,141	17,037	7,066,141	15,212,323	7,419,448	15,972,939	1,882	1,976
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	5,897	22,934	7,907,537	23,119,860	8,302,914	24,275,853	2,012	2,112
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	1,047	23,981	9,026,944	32,146,804	9,478,291	33,754,144	2,308	2,424
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	1,867	25,848	9,414,992	41,561,796	9,814,134	43,568,278	2,434	2,556
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	25,848	9,587,707	51,149,502	9,952,301	53,520,579	2,551	2,649
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	25,848	9,587,707	60,737,209	9,952,301	63,472,880	2,551	2,650
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	25,848	9,587,684	70,324,892	9,952,278	73,425,158	2,464	2,559
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	25,848	9,587,706	79,912,599	9,952,301	83,377,459	2,551	2,650
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	25,848	9,587,706	89,500,305	9,952,301	93,329,759	2,551	2,650
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	25,848	9,587,729	99,088,034	9,952,324	103,282,083	2,551	2,649
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	25,848	9,587,707	108,675,741	9,952,301	113,234,384	2,463	2,558
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	0	25,848	9,478,693	118,154,434	9,837,838	123,072,222	2,551	2,650
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	0	24,218	7,347,013	125,501,447	7,599,573	130,671,795	2,236	2,318
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	0	15,495	3,810,020	129,311,466	3,885,730	134,557,524	1,177	1,309
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	9,952	2,584,083	131,895,549	2,598,495	137,156,019	693	697
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	0	9,950	2,522,958	134,418,507	2,534,315	139,690,334	693	697
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	0	8,736	1,683,928	136,102,435	1,653,334	141,343,668	568	566
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	0	2,910	561,574	136,664,009	474,863	141,818,531	205	185
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	0	1,867	173,708	136,837,717	138,966	141,957,497	123	99
Residential	4	Residential Appliance Recycling	RARC	2015	3,141	3,141	635,580	635,580	489,396	489,396	436	336
Residential	4	Residential Appliance Recycling	RARC	2016	7,734	10,875	6,878,882	7,514,462	5,296,739	5,786,136	1,413	1,088
Residential	4	Residential Appliance Recycling	RARC	2017	3,129	14,004	13,545,290	21,059,752	10,429,873	16,216,009	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2018	0	14,004	14,186,936	35,246,688	10,923,941	27,139,950	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2019	0	14,004	14,186,901	49,433,589	10,923,914	38,063,863	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2020	0	14,004	14,186,900	63,620,489	10,923,913	48,987,777	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2021	0	14,004	14,186,865	77,807,354	10,923,886	59,911,663	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2022	0	14,004	14,186,901	91,994,255	10,923,913	70,835,576	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2023	0	14,004	13,560,552	105,554,807	10,441,625	81,277,202	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2024	0	10,657	7,329,076	112,883,883	5,643,388	86,920,590	1,390	1,070
Residential	4	Residential Appliance Recycling	RARC	2025	0	2,314	649,506	113,533,389	500,120	87,420,710	361	278
Residential	5	Residential Retail LED	RLED	2017								
Residential	5	Residential Retail LED	RLED	2018								
Residential	5	Residential Retail LED	RLED	2019								
Residential	5	Residential Retail LED	RLED	2020								
Residential	5	Residential Retail LED	RLED	2021								
Residential	5	Residential Retail LED	RLED	2022								
Residential	5	Residential Retail LED	RLED	2023								
Residential	5	Residential Retail LED	RLED	2024								
Residential	5	Residential Retail LED	RLED	2025								
Residential	5	Residential Retail LED	RLED	2026								
Residential	5	Residential Retail LED	RLED	2027								
Residential	5	Residential Retail LED	RLED	2028								
Residential	5	Residential Retail LED	RLED	2029								
Residential	5	Residential Retail LED	RLED	2030								
Residential	5	Residential Retail LED	RLED	2031								
Residential	5	Residential Retail LED	RLED	2032								
Residential	5	Residential Retail LED	RLED	2033								
Residential	5	Residential Retail LED	RLED	2034								
Residential	5	Residential Retail LED	RLED	2035								
Residential	5	Residential Retail LED	RLED	2036								
Residential	5	Residential Retail LED	RLED	2037								
Residential	5	Residential Retail LED	RLED	2038								

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2015								
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	157	157	20,187	20,187	21,196	21,196	21	22
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2017	130	287	175,574	195,761	184,352	205,549	47	49
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2018	1	288	217,156	412,916	228,013	433,562	64	67
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	132	420	244,140	657,057	256,347	689,910	64	67
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	19	439	286,434	943,491	300,755	990,665	84	88
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	69	508	299,353	1,242,844	312,063	1,302,728	88	93
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	508	304,286	1,547,130	316,009	1,618,737	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	508	304,286	1,851,417	316,009	1,934,746	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	508	304,285	2,155,702	316,008	2,250,754	91	94
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	508	304,286	2,459,988	316,009	2,566,764	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	508	304,286	2,764,275	316,009	2,882,773	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	508	304,288	3,068,562	316,010	3,198,783	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	508	304,286	3,372,849	316,009	3,514,792	91	94
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	0	508	304,285	3,677,134	316,008	3,830,800	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	0	508	284,472	3,961,607	295,205	4,126,005	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	0	309	129,093	4,090,699	132,056	4,258,061	57	59
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	221	87,807	4,178,506	88,706	4,346,766	30	31
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	0	220	87,133	4,265,639	87,998	4,434,764	30	31
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	0	220	60,248	4,325,887	59,769	4,494,533	30	30
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	0	89	17,876	4,343,763	15,278	4,509,811	7	6
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	0	71	4,963	4,348,726	3,971	4,513,782	4	3
Residential	4	Residential Appliance Recycling	RARC	2015								
Residential	4	Residential Appliance Recycling	RARC	2016								
Residential	4	Residential Appliance Recycling	RARC	2017								
Residential	4	Residential Appliance Recycling	RARC	2018								
Residential	4	Residential Appliance Recycling	RARC	2019								
Residential	4	Residential Appliance Recycling	RARC	2020								
Residential	4	Residential Appliance Recycling	RARC	2021								
Residential	4	Residential Appliance Recycling	RARC	2022								
Residential	4	Residential Appliance Recycling	RARC	2023								
Residential	4	Residential Appliance Recycling	RARC	2024								
Residential	4	Residential Appliance Recycling	RARC	2025								
Residential	5	Residential Retail LED	RLED	2017	70,261	70,261	344,035	344,035	292,430	292,430	493	419
Residential	5	Residential Retail LED	RLED	2018	264,236	334,497	4,606,558	4,950,593	3,915,574	4,208,004	1,845	1,568
Residential	5	Residential Retail LED	RLED	2019	0	334,497	8,133,336	13,083,929	6,913,336	11,121,340	1,845	1,568
Residential	5	Residential Retail LED	RLED	2020	0	334,497	8,133,336	21,217,265	6,913,335	18,034,675	1,845	1,568
Residential	5	Residential Retail LED	RLED	2021	0	334,497	8,133,377	29,350,641	6,913,370	24,948,045	1,845	1,568
Residential	5	Residential Retail LED	RLED	2022	0	334,497	8,133,336	37,483,977	6,913,336	31,861,381	1,845	1,568
Residential	5	Residential Retail LED	RLED	2023	0	334,497	8,133,336	45,617,314	6,913,336	38,774,716	1,845	1,568
Residential	5	Residential Retail LED	RLED	2024	0	334,497	8,133,295	53,750,609	6,913,301	45,688,017	1,845	1,569
Residential	5	Residential Retail LED	RLED	2025	0	334,497	8,133,336	61,883,944	6,913,336	52,601,353	1,845	1,568
Residential	5	Residential Retail LED	RLED	2026	0	334,497	8,133,336	70,017,280	6,913,335	59,514,688	1,845	1,568
Residential	5	Residential Retail LED	RLED	2027	0	334,497	8,133,377	78,150,657	6,913,370	66,428,058	1,845	1,568
Residential	5	Residential Retail LED	RLED	2028	0	334,497	8,133,336	86,283,993	6,913,336	73,341,394	1,845	1,568
Residential	5	Residential Retail LED	RLED	2029	0	334,497	8,133,295	94,417,288	6,913,301	80,254,695	1,845	1,568
Residential	5	Residential Retail LED	RLED	2030	0	334,497	8,133,336	102,550,624	6,913,336	87,168,030	1,845	1,568
Residential	5	Residential Retail LED	RLED	2031	0	334,497	8,133,336	110,683,960	6,913,335	94,081,366	1,845	1,568
Residential	5	Residential Retail LED	RLED	2032	0	334,497	8,133,377	118,817,337	6,913,370	100,994,736	1,845	1,568
Residential	5	Residential Retail LED	RLED	2033	0	334,497	8,133,336	126,950,673	6,913,336	107,908,072	1,845	1,568
Residential	5	Residential Retail LED	RLED	2034	0	334,497	8,133,336	135,084,009	6,913,336	114,821,407	1,845	1,568
Residential	5	Residential Retail LED	RLED	2035	0	334,497	8,133,295	143,217,304	6,913,301	121,734,708	1,845	1,568
Residential	5	Residential Retail LED	RLED	2036	0	334,497	8,133,336	151,350,640	6,913,336	128,648,044	1,845	1,568
Residential	5	Residential Retail LED	RLED	2037	0	334,497	7,795,932	159,146,571	6,626,542	135,274,585	1,719	1,461
Residential	5	Residential Retail LED	RLED	2038	0	251,754	3,543,789	162,690,360	3,012,221	138,286,806	1,243	1,057

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2015	1,523	1,523	110,249	110,249	115,761	115,761	196	205
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	8,560	10,083	2,271,110	2,381,358	2,384,665	2,500,426	954	1,001
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2017	6,100	16,183	5,960,584	8,341,943	6,258,614	8,759,040	1,429	1,500
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2018	1,142	17,325	7,283,297	15,625,239	7,647,461	16,406,501	1,946	2,043
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	6,029	23,354	8,151,678	23,776,917	8,559,262	24,965,763	2,075	2,179
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	1,066	24,420	9,313,377	33,090,294	9,779,046	34,744,809	2,392	2,512
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	1,936	26,356	9,714,345	42,804,640	10,126,197	44,871,006	2,522	2,649
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	26,356	9,891,993	52,696,633	10,268,310	55,139,316	2,643	2,745
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	26,356	9,891,993	62,588,626	10,268,310	65,407,626	2,644	2,746
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	26,356	9,891,969	72,480,594	10,268,286	75,675,912	2,554	2,653
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	26,356	9,891,993	82,372,587	10,268,310	85,944,222	2,644	2,746
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	26,356	9,891,993	92,264,580	10,268,310	96,212,532	2,643	2,746
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	26,356	9,892,017	102,156,597	10,268,334	106,480,866	2,643	2,745
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	26,356	9,891,993	112,048,590	10,268,310	116,749,176	2,554	2,652
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	0	26,356	9,782,978	121,831,568	10,153,846	126,903,022	2,644	2,746
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	0	24,726	7,631,486	129,463,053	7,894,778	134,797,799	2,328	2,414
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	0	15,804	3,939,112	133,402,166	4,017,785	138,815,585	1,234	1,367
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	10,173	2,671,890	136,074,055	2,687,201	141,502,785	723	727
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	0	10,170	2,610,091	138,684,146	2,622,313	144,125,098	723	727
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	0	8,956	1,744,176	140,428,322	1,713,103	145,838,201	598	596
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	0	2,999	579,450	141,007,772	490,141	146,328,342	213	192
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	0	1,938	178,671	141,186,443	142,937	146,471,279	127	102
Residential	4	Residential Appliance Recycling	RARC	2015	3,141	3,141	635,580	635,580	489,396	489,396	436	336
Residential	4	Residential Appliance Recycling	RARC	2016	7,734	10,875	6,878,882	7,514,462	5,296,739	5,786,136	1,413	1,088
Residential	4	Residential Appliance Recycling	RARC	2017	3,129	14,004	13,545,290	21,059,752	10,429,873	16,216,009	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2018	0	14,004	14,186,936	35,246,688	10,923,941	27,139,950	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2019	0	14,004	14,186,901	49,433,589	10,923,914	38,063,863	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2020	0	14,004	14,186,900	63,620,489	10,923,913	48,987,777	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2021	0	14,004	14,186,865	77,807,354	10,923,886	59,911,663	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2022	0	14,004	14,186,901	91,994,255	10,923,913	70,835,576	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2023	0	14,004	13,560,552	105,554,807	10,441,625	81,277,202	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2024	0	10,657	7,329,076	112,883,883	5,643,388	86,920,590	1,390	1,070
Residential	4	Residential Appliance Recycling	RARC	2025	0	2,314	649,506	113,533,389	500,120	87,420,710	361	278
Residential	5	Residential Retail LED	RLED	2017	70,261	70,261	344,035	344,035	292,430	292,430	493	419
Residential	5	Residential Retail LED	RLED	2018	264,236	334,497	4,606,558	4,950,593	3,915,574	4,208,004	1,845	1,568
Residential	5	Residential Retail LED	RLED	2019	0	334,497	8,133,336	13,083,929	6,913,336	11,121,340	1,845	1,568
Residential	5	Residential Retail LED	RLED	2020	0	334,497	8,133,336	21,217,265	6,913,335	18,034,675	1,845	1,568
Residential	5	Residential Retail LED	RLED	2021	0	334,497	8,133,377	29,350,641	6,913,370	24,948,045	1,845	1,568
Residential	5	Residential Retail LED	RLED	2022	0	334,497	8,133,336	37,483,977	6,913,336	31,861,381	1,845	1,568
Residential	5	Residential Retail LED	RLED	2023	0	334,497	8,133,336	45,617,314	6,913,336	38,774,716	1,845	1,568
Residential	5	Residential Retail LED	RLED	2024	0	334,497	8,133,295	53,750,609	6,913,301	45,688,017	1,845	1,569
Residential	5	Residential Retail LED	RLED	2025	0	334,497	8,133,336	61,883,944	6,913,336	52,601,353	1,845	1,568
Residential	5	Residential Retail LED	RLED	2026	0	334,497	8,133,336	70,017,280	6,913,335	59,514,688	1,845	1,568
Residential	5	Residential Retail LED	RLED	2027	0	334,497	8,133,377	78,150,657	6,913,370	66,428,058	1,845	1,568
Residential	5	Residential Retail LED	RLED	2028	0	334,497	8,133,336	86,283,993	6,913,336	73,341,394	1,845	1,568
Residential	5	Residential Retail LED	RLED	2029	0	334,497	8,133,295	94,417,288	6,913,301	80,254,695	1,845	1,568
Residential	5	Residential Retail LED	RLED	2030	0	334,497	8,133,336	102,550,624	6,913,336	87,168,030	1,845	1,568
Residential	5	Residential Retail LED	RLED	2031	0	334,497	8,133,336	110,683,960	6,913,335	94,081,366	1,845	1,568
Residential	5	Residential Retail LED	RLED	2032	0	334,497	8,133,377	118,817,337	6,913,370	100,994,736	1,845	1,568
Residential	5	Residential Retail LED	RLED	2033	0	334,497	8,133,336	126,950,673	6,913,336	107,908,072	1,845	1,568
Residential	5	Residential Retail LED	RLED	2034	0	334,497	8,133,336	135,084,009	6,913,336	114,821,407	1,845	1,568
Residential	5	Residential Retail LED	RLED	2035	0	334,497	8,133,295	143,217,304	6,913,301	121,734,708	1,845	1,568
Residential	5	Residential Retail LED	RLED	2036	0	334,497	8,133,336	151,350,640	6,913,336	128,648,044	1,845	1,568
Residential	5	Residential Retail LED	RLED	2037	0	334,497	7,795,932	159,146,571	6,626,542	135,274,585	1,719	1,461
Residential	5	Residential Retail LED	RLED	2038	0	251,754	3,543,789	162,690,360	3,012,221	138,286,806	1,243	1,057

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	5	Non-residential Small Business Improvement	SBIP	2016	67	67	54,149	54,149	50,359	50,359	79	74
Non-residential	5	Non-residential Small Business Improvement	SBIP	2017	937	1,004	7,292,819	7,346,968	6,782,322	6,832,681	3,941	3,665
Non-residential	5	Non-residential Small Business Improvement	SBIP	2018	510	1,514	24,192,741	31,539,710	22,499,250	29,331,930	8,130	7,561
Non-residential	5	Non-residential Small Business Improvement	SBIP	2019	503	2,017	37,394,549	68,934,258	34,776,930	64,108,860	11,232	10,446
Non-residential	5	Non-residential Small Business Improvement	SBIP	2020	327	2,344	47,162,436	116,096,694	43,861,065	107,969,925	13,599	12,647
Non-residential	5	Non-residential Small Business Improvement	SBIP	2021	68	2,412	52,776,874	168,873,568	49,082,492	157,052,418	15,032	13,980
Non-residential	5	Non-residential Small Business Improvement	SBIP	2022	0	2,412	52,909,758	221,783,326	49,206,075	206,258,493	15,032	13,979
Non-residential	5	Non-residential Small Business Improvement	SBIP	2023	0	2,412	52,909,757	274,693,082	49,206,074	255,464,566	14,996	13,946
Non-residential	5	Non-residential Small Business Improvement	SBIP	2024	0	2,412	52,909,755	327,602,838	49,206,073	304,670,639	14,953	13,906
Non-residential	5	Non-residential Small Business Improvement	SBIP	2025	0	2,412	52,909,762	380,512,600	49,206,079	353,876,718	14,963	13,916
Non-residential	5	Non-residential Small Business Improvement	SBIP	2026	0	2,412	52,909,771	433,422,371	49,206,087	403,082,805	14,963	13,916
Non-residential	5	Non-residential Small Business Improvement	SBIP	2027	0	2,412	52,909,769	486,332,141	49,206,085	452,288,891	15,032	13,980
Non-residential	5	Non-residential Small Business Improvement	SBIP	2028	0	2,412	52,909,755	539,241,896	49,206,072	501,494,963	15,019	13,968
Non-residential	5	Non-residential Small Business Improvement	SBIP	2029	0	2,412	52,909,754	592,151,650	49,206,071	550,701,034	14,963	13,915
Non-residential	5	Non-residential Small Business Improvement	SBIP	2030	0	2,412	52,857,387	645,009,037	49,157,370	599,858,404	14,964	13,916
Non-residential	5	Non-residential Small Business Improvement	SBIP	2031	0	2,339	45,673,910	690,682,947	42,476,736	642,335,141	14,381	13,374
Non-residential	5	Non-residential Small Business Improvement	SBIP	2032	0	1,507	28,771,832	719,454,779	26,757,804	669,092,944	10,340	9,616
Non-residential	5	Non-residential Small Business Improvement	SBIP	2033	0	971	15,553,103	735,007,882	14,464,386	683,557,330	5,918	5,504
Non-residential	5	Non-residential Small Business Improvement	SBIP	2034	0	442	5,796,904	740,804,786	5,391,121	688,948,451	2,686	2,498
Non-residential	5	Non-residential Small Business Improvement	SBIP	2035	0	43	146,870	740,951,657	136,590	689,085,041	487	453
Non-residential	6	Non-residential Prescriptive	CNRP	2017	4	4	22	22	19	19	0	0
Non-residential	6	Non-residential Prescriptive	CNRP	2018	865	869	4,133,450	4,133,472	3,513,432	3,513,451	3,167	2,692
Non-residential	6	Non-residential Prescriptive	CNRP	2019	666	1,535	9,165,679	13,299,151	7,790,828	11,304,279	5,324	4,526
Non-residential	6	Non-residential Prescriptive	CNRP	2020	577	2,112	30,821,649	44,120,801	18,034,210	29,338,489	11,174	7,030
Non-residential	6	Non-residential Prescriptive	CNRP	2021	709	2,821	65,044,068	109,164,868	33,632,606	62,971,095	17,800	12,303
Non-residential	6	Non-residential Prescriptive	CNRP	2022	0	2,821	81,840,519	191,005,387	41,602,625	104,573,720	23,197	16,010
Non-residential	6	Non-residential Prescriptive	CNRP	2023	0	2,821	81,840,516	272,845,903	41,602,623	146,176,343	23,123	15,945
Non-residential	6	Non-residential Prescriptive	CNRP	2024	0	2,821	80,408,266	353,254,169	40,385,312	186,561,655	23,054	15,887
Non-residential	6	Non-residential Prescriptive	CNRP	2025	0	2,399	74,575,066	427,829,235	35,426,990	221,988,645	21,488	14,556
Non-residential	6	Non-residential Prescriptive	CNRP	2026	0	1,933	66,348,264	494,177,499	30,175,509	252,164,154	18,405	11,989
Non-residential	6	Non-residential Prescriptive	CNRP	2027	0	1,117	26,418,899	520,596,398	12,743,524	264,907,678	8,672	6,578
Non-residential	6	Non-residential Prescriptive	CNRP	2028	0	338	4,044,461	524,640,859	1,586,955	266,494,632	2,105	881
Residential	7	Residential Appliance Recycling	RAR2	2019	1,579	1,579	198,848	198,848	119,309	119,309	148	89
Residential	7	Residential Appliance Recycling	RAR2	2020	972	2,551	1,811,917	2,010,765	1,087,150	1,206,459	286	172
Residential	7	Residential Appliance Recycling	RAR2	2021	0	2,551	2,123,600	4,134,365	1,274,160	2,480,619	331	198
Residential	7	Residential Appliance Recycling	RAR2	2022	0	2,551	2,123,604	6,257,970	1,274,163	3,754,782	331	198
Residential	7	Residential Appliance Recycling	RAR2	2023	0	2,551	2,123,604	8,381,574	1,274,163	5,028,944	331	198
Residential	7	Residential Appliance Recycling	RAR2	2024	0	2,551	2,123,608	10,505,182	1,274,165	6,303,109	331	198
Residential	7	Residential Appliance Recycling	RAR2	2025	0	2,551	2,123,604	12,628,787	1,274,163	7,577,272	331	198
Residential	7	Residential Appliance Recycling	RAR2	2026	0	2,551	2,123,604	14,752,391	1,274,163	8,851,435	331	198
Residential	7	Residential Appliance Recycling	RAR2	2027	0	2,551	1,928,060	16,680,451	1,156,836	10,008,271	331	198
Residential	7	Residential Appliance Recycling	RAR2	2028	0	684	313,924	16,994,376	188,355	10,196,625	104	62
Residential	7	Residential Efficient Products Marketplace	REEC	2019	2,507,265	2,507,265	13,793,124	13,793,124	9,655,179	9,655,179	16,564	11,594
Residential	7	Residential Efficient Products Marketplace	REEC	2020	2,339,400	4,846,665	113,616,426	127,409,550	78,348,774	88,003,953	38,556	26,347
Residential	7	Residential Efficient Products Marketplace	REEC	2021	3,840,072	8,686,737	207,570,255	334,979,805	138,546,545	226,550,498	68,912	45,290
Residential	7	Residential Efficient Products Marketplace	REEC	2022	0	8,686,737	264,607,023	599,586,829	174,062,033	400,612,531	69,463	45,679
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	8,686,737	264,607,027	864,193,856	174,062,035	574,674,566	69,470	45,683
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	8,686,737	264,605,344	1,128,799,200	174,060,924	748,735,490	69,485	45,693
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	8,686,737	264,607,019	1,393,406,219	174,062,030	922,797,520	69,481	45,690
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	8,686,737	264,607,013	1,658,013,232	174,062,026	1,096,859,546	69,478	45,688
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	8,686,737	264,608,693	1,922,621,925	174,063,135	1,270,922,680	69,464	45,679
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	8,686,737	264,607,029	2,187,228,954	174,062,036	1,444,984,717	69,464	45,679
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	8,686,737	264,605,347	2,451,834,301	174,060,926	1,619,045,643	69,482	45,691
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	8,686,737	264,607,019	2,716,441,320	174,062,030	1,793,107,673	69,482	45,691
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	8,686,737	264,607,016	2,981,048,335	174,062,028	1,967,169,700	69,481	45,690
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	8,686,737	264,608,689	3,245,657,024	174,063,132	2,141,232,832	69,472	45,684
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	8,686,737	264,607,023	3,510,264,048	174,062,033	2,315,294,865	69,463	45,679
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	8,686,737	264,607,026	3,774,871,074	174,062,034	2,489,356,899	69,470	45,683
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	8,686,737	264,605,342	4,039,476,416	174,060,923	2,663,417,822	69,482	45,691
Residential	7	Residential Efficient Products Marketplace	REEC	2036	0	8,686,737	214,777,715	4,254,254,130	139,389,078	2,802,806,900	65,395	42,936
Residential	7	Residential Efficient Products Marketplace	REEC	2037	0	4,985,271	115,517,764	4,369,771,894	72,503,857	2,875,310,757	40,707	25,916
Residential	7	Residential Efficient Products Marketplace	REEC	2038	0	2,015,781	21,152,200	4,390,924,095	13,186,554	2,888,497,312	17,017	10,620
Residential	7	Residential Home Energy Assessment	RTHO	2020	2,738	2,738	2,181,856	2,181,856	1,745,485	1,745,485	1,946	1,557
Residential	7	Residential Home Energy Assessment	RTHO	2021	9,917	12,655	16,774,424	18,956,281	13,419,540	15,165,025	11,260	9,008
Residential	7	Residential Home Energy Assessment	RTHO	2022	0	12,655	27,561,736	46,518,017	22,049,389	37,214,414	11,408	9,127
Residential	7	Residential Home Energy Assessment	RTHO	2023	0	12,655	27,561,737	74,079,754	22,049,389	59,263,803	11,411	9,129
Residential	7	Residential Home Energy Assessment	RTHO	2024	0	12,655	27,561,403	101,641,156	22,049,122	81,312,925	11,414	9,132
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	12,655	27,561,735	129,202,892	22,049,388	103,362,313	11,414	9,131
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	12,655	27,561,734	156,764,625	22,049,387	125,411,700	11,414	9,131
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	12,655	27,562,068	184,326,693	22,049,654	147,461,355	11,409	9,127
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	12,655	27,561,737	211,888,430	22,049,390	169,510,744	11,409	9,127
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	12,655	27,561,403	239,449,833	22,049,122	191,559,867	11,414	9,131
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	12,655	27,561,735	267,011,569	22,049,388	213,609,255	11,414	9,131
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	12,655	27,561,735	294,573,303	22,049,388	235,658,643	11,414	9,131
Residential	7	Residential Home Energy Assessment	RTHO	2032	0	12,655	26,931,084	321,504,387	21,544,867	257,203,510	11,406	9,125
Residential	7	Residential Home Energy Assessment	RTHO	2033	0	11,580	20,740,542	342,244,930	16,592,434	273,795,944	10,574	8,459
Residential	7	Residential Home Energy Assessment	RTHO	2034	0	3,963	2,352,492	344,597,422	1,881,994	275,677,938	4,667	3,734

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	5	Non-residential Small Business Improvement	SBIP	2016								
Non-residential	5	Non-residential Small Business Improvement	SBIP	2017	7	7	34,514	34,514	32,098	32,098	45	42
Non-residential	5	Non-residential Small Business Improvement	SBIP	2018	36	43	615,930	650,444	572,815	604,913	323	301
Non-residential	5	Non-residential Small Business Improvement	SBIP	2019	27	70	1,581,248	2,231,692	1,470,561	2,075,474	504	469
Non-residential	5	Non-residential Small Business Improvement	SBIP	2020	17	87	2,155,456	4,387,148	2,004,574	4,080,048	644	599
Non-residential	5	Non-residential Small Business Improvement	SBIP	2021	7	94	2,432,444	6,819,592	2,262,173	6,342,221	711	661
Non-residential	5	Non-residential Small Business Improvement	SBIP	2022	0	94	2,449,573	9,269,165	2,278,102	8,620,323	711	661
Non-residential	5	Non-residential Small Business Improvement	SBIP	2023	0	94	2,449,572	11,718,737	2,278,102	10,898,426	709	660
Non-residential	5	Non-residential Small Business Improvement	SBIP	2024	0	94	2,449,578	14,168,316	2,278,108	13,176,534	707	658
Non-residential	5	Non-residential Small Business Improvement	SBIP	2025	0	94	2,449,573	16,617,889	2,278,103	15,454,636	708	658
Non-residential	5	Non-residential Small Business Improvement	SBIP	2026	0	94	2,449,573	19,067,462	2,278,103	17,732,740	708	658
Non-residential	5	Non-residential Small Business Improvement	SBIP	2027	0	94	2,449,567	21,517,029	2,278,097	20,010,837	711	661
Non-residential	5	Non-residential Small Business Improvement	SBIP	2028	0	94	2,449,572	23,966,601	2,278,102	22,288,939	710	661
Non-residential	5	Non-residential Small Business Improvement	SBIP	2029	0	94	2,449,578	26,416,180	2,278,108	24,567,047	708	658
Non-residential	5	Non-residential Small Business Improvement	SBIP	2030	0	94	2,449,573	28,865,752	2,278,103	26,845,150	708	658
Non-residential	5	Non-residential Small Business Improvement	SBIP	2031	0	94	2,415,516	31,281,268	2,246,430	29,091,579	706	656
Non-residential	5	Non-residential Small Business Improvement	SBIP	2032	0	88	1,835,930	33,117,198	1,707,415	30,798,994	645	600
Non-residential	5	Non-residential Small Business Improvement	SBIP	2033	0	49	869,746	33,986,944	808,864	31,607,858	355	330
Non-residential	5	Non-residential Small Business Improvement	SBIP	2034	0	19	295,793	34,282,737	275,088	31,882,946	162	150
Non-residential	5	Non-residential Small Business Improvement	SBIP	2035	0	6	18,768	34,301,506	17,455	31,900,400	57	53
Non-residential	6	Non-residential Prescriptive	CNRP	2017								
Non-residential	6	Non-residential Prescriptive	CNRP	2018	21	21	24,087	24,087	20,474	20,474	27	23
Non-residential	6	Non-residential Prescriptive	CNRP	2019	36	57	414,286	438,373	352,143	372,617	58	49
Non-residential	6	Non-residential Prescriptive	CNRP	2020	19	76	923,989	1,362,363	574,045	946,662	275	142
Non-residential	6	Non-residential Prescriptive	CNRP	2021	44	120	2,908,603	4,270,965	1,455,541	2,402,203	765	503
Non-residential	6	Non-residential Prescriptive	CNRP	2022	0	120	3,194,833	7,465,799	1,609,208	4,011,411	805	537
Non-residential	6	Non-residential Prescriptive	CNRP	2023	0	120	3,194,833	10,660,632	1,609,208	5,620,619	802	535
Non-residential	6	Non-residential Prescriptive	CNRP	2024	0	120	3,194,810	13,855,442	1,609,195	7,229,813	803	535
Non-residential	6	Non-residential Prescriptive	CNRP	2025	0	120	2,939,192	16,794,635	1,391,913	8,621,727	764	502
Non-residential	6	Non-residential Prescriptive	CNRP	2026	0	79	2,735,652	19,530,286	1,220,578	9,842,304	743	484
Non-residential	6	Non-residential Prescriptive	CNRP	2027	0	56	1,012,536	20,542,823	530,473	10,372,777	452	339
Non-residential	6	Non-residential Prescriptive	CNRP	2028	0	4	23,209	20,566,032	14,467	10,387,245	61	37
Residential	7	Residential Appliance Recycling	RAR2	2019								
Residential	7	Residential Appliance Recycling	RAR2	2020								
Residential	7	Residential Appliance Recycling	RAR2	2021								
Residential	7	Residential Appliance Recycling	RAR2	2022								
Residential	7	Residential Appliance Recycling	RAR2	2023								
Residential	7	Residential Appliance Recycling	RAR2	2024								
Residential	7	Residential Appliance Recycling	RAR2	2025								
Residential	7	Residential Appliance Recycling	RAR2	2026								
Residential	7	Residential Appliance Recycling	RAR2	2027								
Residential	7	Residential Appliance Recycling	RAR2	2028								
Residential	7	Residential Efficient Products Marketplace	REEC	2019	0	0	0	0	0	0	0	0
Residential	7	Residential Efficient Products Marketplace	REEC	2020	86,494	86,494	1,224,967	1,224,968	816,797	816,797	729	485
Residential	7	Residential Efficient Products Marketplace	REEC	2021	116,669	203,163	4,593,406	5,818,373	3,015,587	3,832,384	1,735	1,139
Residential	7	Residential Efficient Products Marketplace	REEC	2022	0	203,163	6,289,605	12,107,979	4,115,832	7,948,216	1,744	1,145
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	203,163	6,289,605	18,397,584	4,115,832	12,064,048	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	203,163	6,289,562	24,687,146	4,115,803	16,179,850	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	203,163	6,289,605	30,976,751	4,115,832	20,295,682	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	203,163	6,289,605	37,266,356	4,115,831	24,411,513	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	203,163	6,289,648	43,556,005	4,115,860	28,527,374	1,744	1,145
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	203,163	6,289,605	49,845,610	4,115,832	32,643,205	1,744	1,145
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	203,163	6,289,562	56,135,172	4,115,803	36,759,008	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	203,163	6,289,605	62,424,777	4,115,832	40,874,840	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	203,163	6,289,605	68,714,382	4,115,831	44,990,671	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	203,163	6,289,648	75,004,031	4,115,860	49,106,531	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	203,163	6,289,605	81,293,636	4,115,832	53,222,363	1,744	1,145
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	203,163	6,289,605	87,583,242	4,115,832	57,338,195	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	203,163	6,289,562	93,872,803	4,115,803	61,453,998	1,744	1,146
Residential	7	Residential Efficient Products Marketplace	REEC	2036	0	203,163	6,109,696	99,982,499	3,994,070	65,448,067	1,658	1,088
Residential	7	Residential Efficient Products Marketplace	REEC	2037	0	163,117	3,756,990	103,739,489	2,439,872	67,887,939	1,371	895
Residential	7	Residential Efficient Products Marketplace	REEC	2038	0	50,713	563,677	104,303,166	366,143	68,254,082	463	299
Residential	7	Residential Home Energy Assessment	RTHO	2020	17	17	3,864	3,864	3,091	3,091	8	6
Residential	7	Residential Home Energy Assessment	RTHO	2021	32	49	54,551	58,415	43,641	46,732	36	29
Residential	7	Residential Home Energy Assessment	RTHO	2022	0	49	90,245	148,661	72,196	118,929	37	29
Residential	7	Residential Home Energy Assessment	RTHO	2023	0	49	90,245	238,906	72,196	191,125	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2024	0	49	90,244	329,150	72,195	263,320	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	49	90,245	419,396	72,196	335,517	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	49	90,245	509,641	72,196	407,713	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	49	90,246	599,888	72,197	479,910	37	29
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	49	90,245	690,133	72,196	552,107	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	49	90,244	780,377	72,195	624,302	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	49	90,245	870,623	72,196	696,498	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	49	90,245	960,868	72,196	768,695	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2032	0	49	89,944	1,050,813	71,956	840,650	37	30
Residential	7	Residential Home Energy Assessment	RTHO	2033	0	40	70,361	1,121,174	56,289	896,939	36	29
Residential	7	Residential Home Energy Assessment	RTHO	2034	0	11	7,142	1,128,316	5,714	902,653	12	9

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	5	Non-residential Small Business Improvement	SBIP	2016	67	67	54,149	54,149	50,359	50,359	79	74
Non-residential	5	Non-residential Small Business Improvement	SBIP	2017	944	1,011	7,327,333	7,381,482	6,814,420	6,864,778	3,985	3,706
Non-residential	5	Non-residential Small Business Improvement	SBIP	2018	546	1,557	24,808,671	32,190,154	23,072,064	29,936,843	8,453	7,862
Non-residential	5	Non-residential Small Business Improvement	SBIP	2019	530	2,087	38,975,797	71,165,950	36,247,491	66,184,334	11,736	10,915
Non-residential	5	Non-residential Small Business Improvement	SBIP	2020	344	2,431	49,317,892	120,483,842	45,865,639	112,049,973	14,243	13,246
Non-residential	5	Non-residential Small Business Improvement	SBIP	2021	75	2,506	55,209,318	175,693,160	51,344,666	163,394,639	15,743	14,641
Non-residential	5	Non-residential Small Business Improvement	SBIP	2022	0	2,506	55,359,330	231,052,491	51,484,177	214,878,816	15,743	14,641
Non-residential	5	Non-residential Small Business Improvement	SBIP	2023	0	2,506	55,359,329	286,411,820	51,484,176	266,362,992	15,705	14,606
Non-residential	5	Non-residential Small Business Improvement	SBIP	2024	0	2,506	55,359,334	341,771,154	51,484,181	317,847,173	15,660	14,564
Non-residential	5	Non-residential Small Business Improvement	SBIP	2025	0	2,506	55,359,335	397,130,489	51,484,182	369,331,355	15,671	14,574
Non-residential	5	Non-residential Small Business Improvement	SBIP	2026	0	2,506	55,359,345	452,489,833	51,484,190	420,815,545	15,671	14,574
Non-residential	5	Non-residential Small Business Improvement	SBIP	2027	0	2,506	55,359,336	507,849,169	51,484,183	472,299,728	15,743	14,641
Non-residential	5	Non-residential Small Business Improvement	SBIP	2028	0	2,506	55,359,327	563,208,497	51,484,174	523,783,902	15,729	14,628
Non-residential	5	Non-residential Small Business Improvement	SBIP	2029	0	2,506	55,359,333	618,567,829	51,484,179	575,268,081	15,670	14,573
Non-residential	5	Non-residential Small Business Improvement	SBIP	2030	0	2,506	55,306,960	673,874,789	51,435,473	626,703,554	15,672	14,575
Non-residential	5	Non-residential Small Business Improvement	SBIP	2031	0	2,433	48,089,426	721,964,215	44,723,166	671,426,720	15,087	14,031
Non-residential	5	Non-residential Small Business Improvement	SBIP	2032	0	1,595	30,607,762	752,571,977	28,465,219	699,891,939	10,985	10,216
Non-residential	5	Non-residential Small Business Improvement	SBIP	2033	0	1,020	16,422,849	768,994,826	15,273,249	715,165,188	6,273	5,833
Non-residential	5	Non-residential Small Business Improvement	SBIP	2034	0	461	6,092,698	775,087,524	5,666,209	720,831,397	2,848	2,649
Non-residential	5	Non-residential Small Business Improvement	SBIP	2035	0	49	165,639	775,253,162	154,044	720,985,441	544	506
Non-residential	6	Non-residential Prescriptive	CNRP	2017	4	4	22	22	19	19	0	0
Non-residential	6	Non-residential Prescriptive	CNRP	2018	886	890	4,157,537	4,157,559	3,533,906	3,533,925	3,193	2,714
Non-residential	6	Non-residential Prescriptive	CNRP	2019	702	1,592	9,579,966	13,737,525	8,142,971	11,676,896	5,382	4,575
Non-residential	6	Non-residential Prescriptive	CNRP	2020	596	2,188	31,745,639	45,483,163	18,608,255	30,285,151	11,449	7,172
Non-residential	6	Non-residential Prescriptive	CNRP	2021	753	2,941	67,952,670	113,435,833	35,088,147	65,373,297	18,565	12,806
Non-residential	6	Non-residential Prescriptive	CNRP	2022	0	2,941	85,035,352	198,471,186	43,211,833	108,585,131	24,001	16,547
Non-residential	6	Non-residential Prescriptive	CNRP	2023	0	2,941	85,035,349	283,506,535	43,211,831	151,796,962	23,926	16,480
Non-residential	6	Non-residential Prescriptive	CNRP	2024	0	2,941	83,603,076	367,109,611	41,994,507	193,791,469	23,857	16,423
Non-residential	6	Non-residential Prescriptive	CNRP	2025	0	2,519	77,514,258	444,623,869	36,818,903	230,610,372	22,252	15,058
Non-residential	6	Non-residential Prescriptive	CNRP	2026	0	2,012	69,083,916	513,707,785	31,396,087	262,006,459	19,148	12,473
Non-residential	6	Non-residential Prescriptive	CNRP	2027	0	1,173	27,431,436	541,139,221	13,273,997	275,280,455	9,124	6,918
Non-residential	6	Non-residential Prescriptive	CNRP	2028	0	342	4,067,670	545,206,891	1,601,422	276,881,877	2,166	917
Residential	7	Residential Appliance Recycling	RAR2	2019	1,579	1,579	198,848	198,848	119,309	119,309	148	89
Residential	7	Residential Appliance Recycling	RAR2	2020	972	2,551	1,811,917	2,010,765	1,087,150	1,206,459	286	172
Residential	7	Residential Appliance Recycling	RAR2	2021	0	2,551	2,123,600	4,134,365	1,274,160	2,480,619	331	198
Residential	7	Residential Appliance Recycling	RAR2	2022	0	2,551	2,123,604	6,257,970	1,274,163	3,754,782	331	198
Residential	7	Residential Appliance Recycling	RAR2	2023	0	2,551	2,123,604	8,381,574	1,274,163	5,028,944	331	198
Residential	7	Residential Appliance Recycling	RAR2	2024	0	2,551	2,123,608	10,505,182	1,274,165	6,303,109	331	198
Residential	7	Residential Appliance Recycling	RAR2	2025	0	2,551	2,123,604	12,628,787	1,274,163	7,577,272	331	198
Residential	7	Residential Appliance Recycling	RAR2	2026	0	2,551	2,123,604	14,752,391	1,274,163	8,851,435	331	198
Residential	7	Residential Appliance Recycling	RAR2	2027	0	2,551	1,928,060	16,680,451	1,156,836	10,008,271	331	198
Residential	7	Residential Appliance Recycling	RAR2	2028	0	684	313,924	16,994,376	188,355	10,196,625	104	62
Residential	7	Residential Efficient Products Marketplace	REEC	2019	2,507,265	2,507,265	13,793,124	13,793,124	9,655,179	9,655,179	16,564	11,595
Residential	7	Residential Efficient Products Marketplace	REEC	2020	2,425,894	4,933,159	114,841,394	128,634,518	79,165,571	88,820,750	39,285	26,832
Residential	7	Residential Efficient Products Marketplace	REEC	2021	3,956,741	8,889,900	212,163,661	340,798,178	141,562,132	230,382,882	70,647	46,430
Residential	7	Residential Efficient Products Marketplace	REEC	2022	0	8,889,900	270,896,629	611,694,807	178,177,864	408,560,746	71,207	46,824
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	8,889,900	270,896,633	882,591,440	178,177,867	586,738,613	71,215	46,829
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	8,889,900	270,894,906	1,153,486,346	178,176,727	764,915,341	71,230	46,839
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	8,889,900	270,896,624	1,424,382,970	178,177,861	943,093,202	71,225	46,836
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	8,889,900	270,896,618	1,695,279,588	178,177,858	1,121,271,059	71,222	46,834
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	8,889,900	270,898,341	1,966,177,930	178,178,995	1,299,450,054	71,208	46,825
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	8,889,900	270,896,635	2,237,074,564	178,177,868	1,477,627,922	71,208	46,824
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	8,889,900	270,894,909	2,507,969,473	178,176,729	1,655,804,651	71,226	46,837
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	8,889,900	270,896,624	2,778,866,097	178,177,861	1,833,982,512	71,227	46,837
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	8,889,900	270,896,621	3,049,762,718	178,177,859	2,012,160,372	71,225	46,836
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	8,889,900	270,898,337	3,320,661,055	178,178,992	2,190,339,364	71,216	46,830
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	8,889,900	270,896,629	3,591,557,684	178,177,864	2,368,517,228	71,207	46,824
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	8,889,900	270,896,631	3,862,454,315	178,177,866	2,546,695,094	71,215	46,829
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	8,889,900	270,894,904	4,133,349,219	178,176,726	2,724,871,820	71,226	46,837
Residential	7	Residential Efficient Products Marketplace	REEC	2036	0	8,889,900	220,887,411	4,354,236,630	143,383,148	2,868,254,968	67,053	44,024
Residential	7	Residential Efficient Products Marketplace	REEC	2037	0	5,148,388	119,274,754	4,473,511,384	74,943,729	2,943,198,697	42,078	26,811
Residential	7	Residential Efficient Products Marketplace	REEC	2038	0	2,066,494	21,715,878	4,495,227,261	13,552,697	2,956,751,394	17,480	10,919
Residential	7	Residential Home Energy Assessment	RTHO	2020	2,755	2,755	2,185,720	2,185,720	1,748,576	1,748,576	1,954	1,563
Residential	7	Residential Home Energy Assessment	RTHO	2021	9,949	12,704	16,828,976	19,014,696	13,463,181	15,211,757	11,296	9,037
Residential	7	Residential Home Energy Assessment	RTHO	2022	0	12,704	27,651,982	46,666,678	22,121,585	37,333,342	11,445	9,156
Residential	7	Residential Home Energy Assessment	RTHO	2023	0	12,704	27,651,982	74,318,660	22,121,586	59,454,928	11,448	9,158
Residential	7	Residential Home Energy Assessment	RTHO	2024	0	12,704	27,651,647	101,970,307	22,121,318	81,576,245	11,451	9,161
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	12,704	27,651,981	129,622,288	22,121,585	103,697,830	11,451	9,161
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	12,704	27,651,979	157,274,267	22,121,583	125,819,413	11,451	9,161
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	12,704	27,652,314	184,926,581	22,121,851	147,941,265	11,445	9,156
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	12,704	27,651,982	212,578,563	22,121,586	170,062,851	11,446	9,157
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	12,704	27,651,647	240,230,211	22,121,318	192,184,169	11,451	9,160
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	12,704	27,651,981	267,882,191	22,121,585	214,305,753	11,451	9,161
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	12,704	27,651,980	295,534,172	22,121,584	236,427,337	11,451	9,161
Residential	7	Residential Home Energy Assessment	RTHO	2032	0	12,704	27,021,028	322,555,200	21,616,823	258,044,160	11,443	9,154
Residential	7	Residential Home Energy Assessment	RTHO	2033	0	11,620	20,810,904	343,366,104	16,648,723	274,692,883	10,610	8,488
Residential	7	Residential Home Energy Assessment	RTHO	2034	0	3,974	2,359,634	345,725,738	1,887,708	276,580,590	4,679	3,743

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2020	30	30	804,993	804,993	563,495	563,495	2,658	1,861
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2021	44	74	2,588,549	3,393,541	1,811,984	2,375,479	3,411	2,387
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2022	0	74	2,880,479	6,274,020	2,016,335	4,391,814	4,014	2,810
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2023	0	74	2,880,477	9,154,497	2,016,334	6,408,148	4,011	2,808
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2024	0	74	2,880,169	12,034,666	2,016,118	8,424,266	3,983	2,788
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2025	0	74	2,880,480	14,915,145	2,016,336	10,440,602	3,999	2,799
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2026	0	74	2,880,480	17,795,626	2,016,336	12,456,938	4,002	2,801
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2027	0	74	2,880,792	20,676,417	2,016,554	14,473,492	4,013	2,809
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2028	0	74	2,880,477	23,556,894	2,016,334	16,489,826	4,001	2,801
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2029	0	74	2,880,168	26,437,063	2,016,118	18,505,944	4,002	2,802
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2030	0	74	2,880,479	29,317,542	2,016,335	20,522,279	4,002	2,801
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2031	0	74	2,880,480	32,198,022	2,016,336	22,538,615	3,999	2,799
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2032	0	74	2,880,792	35,078,814	2,016,554	24,555,170	3,992	2,795
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2033	0	74	2,880,479	37,959,292	2,016,335	26,571,505	4,014	2,810
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2034	0	74	2,880,478	40,839,770	2,016,334	28,587,839	4,011	2,808
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2035	0	74	2,082,721	42,922,491	1,457,905	30,045,744	4,002	2,802
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2036	0	42	295,099	43,217,590	206,569	30,252,313	865	605
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2020	406	406	11,987,517	11,987,517	8,391,262	8,391,262	5,166	3,616
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2021	388	794	41,054,479	53,041,995	28,738,135	37,129,397	9,174	6,422
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2022	0	794	51,736,160	104,778,156	36,215,312	73,344,709	9,257	6,480
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2023	0	794	51,736,159	156,514,315	36,215,312	109,560,020	9,251	6,476
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2024	0	794	51,736,372	208,250,687	36,215,460	145,775,481	9,242	6,470
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2025	0	794	51,736,163	259,986,849	36,215,314	181,990,795	9,244	6,471
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2026	0	794	51,736,168	311,723,017	36,215,317	218,206,112	9,245	6,471
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2027	0	794	51,735,953	363,458,970	36,215,167	254,421,279	9,257	6,480
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2028	0	794	51,736,159	415,195,129	36,215,311	290,636,590	9,255	6,478
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2029	0	794	51,736,371	466,931,500	36,215,460	326,852,050	9,245	6,471
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2030	0	794	51,255,708	518,187,207	35,878,996	362,731,045	9,244	6,471
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2031	0	653	29,485,572	547,672,780	20,639,901	383,370,946	8,280	5,796
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2032	0	225	4,336,466	552,009,246	3,035,526	386,406,472	2,842	1,989
Non-residential	7	Non-residential Window Film	CSW2	2020	22	22	147,317	147,317	117,854	117,854	121	97
Non-residential	7	Non-residential Window Film	CSW2	2021	19	41	315,655	462,972	252,524	370,378	157	126
Non-residential	7	Non-residential Window Film	CSW2	2022	0	41	330,036	793,008	264,028	634,406	157	126
Non-residential	7	Non-residential Window Film	CSW2	2023	0	41	330,036	1,123,043	264,028	898,435	157	126
Non-residential	7	Non-residential Window Film	CSW2	2024	0	41	330,036	1,453,079	264,028	1,162,463	157	125
Non-residential	7	Non-residential Window Film	CSW2	2025	0	41	330,036	1,783,114	264,028	1,426,492	157	126
Non-residential	7	Non-residential Window Film	CSW2	2026	0	41	330,036	2,113,150	264,028	1,690,520	157	126
Non-residential	7	Non-residential Window Film	CSW2	2027	0	41	330,036	2,443,186	264,028	1,954,548	157	126
Non-residential	7	Non-residential Window Film	CSW2	2028	0	41	330,036	2,773,221	264,028	2,218,577	157	126
Non-residential	7	Non-residential Window Film	CSW2	2029	0	41	330,036	3,103,257	264,028	2,482,605	157	125
Non-residential	7	Non-residential Window Film	CSW2	2030	0	41	183,442	3,286,698	146,753	2,629,359	152	122
Non-residential	7	Non-residential Window Film	CSW2	2031	0	19	14,624	3,301,323	11,699	2,641,058	33	26
Non-residential	7	Non-residential Small Manufacturing	CTSM	2021	1	1	27,452	27,452	24,707	24,707	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2022	0	1	112,237	139,689	101,013	125,720	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2023	0	1	112,237	251,926	101,013	226,733	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2024	0	1	112,234	364,160	101,011	327,744	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2025	0	1	112,237	476,396	101,013	428,757	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2026	0	1	112,237	588,633	101,013	529,770	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2027	0	1	112,239	700,872	101,015	630,785	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2028	0	1	112,237	813,108	101,013	731,798	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2029	0	1	112,234	925,343	101,011	832,808	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2030	0	1	112,237	1,037,579	101,013	933,821	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2031	0	1	112,237	1,149,816	101,013	1,034,834	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2032	0	1	112,239	1,262,055	101,015	1,135,849	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2033	0	1	112,237	1,374,291	101,013	1,236,862	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2034	0	1	11,359	1,385,651	10,223	1,247,086	23	21
Non-residential	7	Non-residential Office	CTSO	2020	6	6	8,158	8,158	7,343	7,343	42	37
Non-residential	7	Non-residential Office	CTSO	2021	59	65	1,201,491	1,209,650	1,081,342	1,088,685	2,268	2,041
Non-residential	7	Non-residential Office	CTSO	2022	0	65	1,334,994	2,544,643	1,201,494	2,290,179	2,341	2,107
Non-residential	7	Non-residential Office	CTSO	2023	0	65	1,334,994	3,879,637	1,201,494	3,491,674	2,340	2,106
Non-residential	7	Non-residential Office	CTSO	2024	0	65	1,335,100	5,214,737	1,201,590	4,693,264	2,343	2,109
Non-residential	7	Non-residential Office	CTSO	2025	0	65	1,334,994	6,549,731	1,201,494	5,894,758	2,342	2,108
Non-residential	7	Non-residential Office	CTSO	2026	0	65	1,334,994	7,884,725	1,201,495	7,096,252	2,338	2,104
Non-residential	7	Non-residential Office	CTSO	2027	0	65	1,326,995	9,211,720	1,194,295	8,290,548	2,341	2,107
Non-residential	7	Non-residential Office	CTSO	2028	0	40	132,913	9,344,633	119,622	8,410,169	359	323

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2020								
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2021	1	1	1,161	1,161	813	813	4	3
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2022	0	1	2,946	4,107	2,062	2,875	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2023	0	1	2,946	7,053	2,062	4,937	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2024	0	1	2,945	9,998	2,062	6,999	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2025	0	1	2,946	12,944	2,062	9,061	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2026	0	1	2,946	15,890	2,062	11,123	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2027	0	1	2,946	18,836	2,062	13,185	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2028	0	1	2,946	21,782	2,062	15,247	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2029	0	1	2,945	24,728	2,062	17,309	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2030	0	1	2,946	27,673	2,062	19,371	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2031	0	1	2,946	30,619	2,062	21,433	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2032	0	1	2,946	33,566	2,062	23,496	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2033	0	1	2,946	36,511	2,062	25,558	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2034	0	1	2,946	39,457	2,062	27,620	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2035	0	1	2,945	42,403	2,062	29,682	5	4
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2036	0	1	1,787	44,189	1,251	30,932	5	4
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2020	9	9	57,137	57,137	39,996	39,996	20	14
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2021	5	14	204,313	261,450	143,019	183,015	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2022	0	14	301,795	563,246	211,257	394,272	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2023	0	14	301,795	865,041	211,257	605,528	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2024	0	14	301,796	1,166,837	211,258	816,786	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2025	0	14	301,795	1,468,632	211,257	1,028,043	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2026	0	14	301,795	1,770,428	211,257	1,239,299	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2027	0	14	301,794	2,072,221	211,256	1,450,555	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2028	0	14	301,795	2,374,017	211,257	1,661,812	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2029	0	14	301,796	2,675,813	211,258	1,873,069	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2030	0	14	301,645	2,977,458	211,151	2,084,220	54	38
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2031	0	12	201,267	3,178,725	140,887	2,225,107	49	35
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2032	0	2	41,095	3,219,820	28,767	2,253,874	22	16
Non-residential	7	Non-residential Window Film	CSW2	2020	1	1	6,061	6,061	4,849	4,849	9	7
Non-residential	7	Non-residential Window Film	CSW2	2021	1	2	17,431	23,492	13,945	18,794	9	7
Non-residential	7	Non-residential Window Film	CSW2	2022	0	2	17,436	40,928	13,948	32,742	9	7
Non-residential	7	Non-residential Window Film	CSW2	2023	0	2	17,436	58,363	13,948	46,691	9	7
Non-residential	7	Non-residential Window Film	CSW2	2024	0	2	17,436	75,799	13,948	60,639	9	7
Non-residential	7	Non-residential Window Film	CSW2	2025	0	2	17,436	93,235	13,948	74,588	9	7
Non-residential	7	Non-residential Window Film	CSW2	2026	0	2	17,436	110,670	13,948	88,536	9	7
Non-residential	7	Non-residential Window Film	CSW2	2027	0	2	17,436	128,106	13,948	102,485	9	7
Non-residential	7	Non-residential Window Film	CSW2	2028	0	2	17,436	145,541	13,948	116,433	9	7
Non-residential	7	Non-residential Window Film	CSW2	2029	0	2	17,436	162,977	13,948	130,382	9	7
Non-residential	7	Non-residential Window Film	CSW2	2030	0	2	11,428	174,405	9,143	139,524	8	7
Non-residential	7	Non-residential Window Film	CSW2	2031	0	1	4	174,410	4	139,528	0	0
Non-residential	7	Non-residential Small Manufacturing	CTSM	2021								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2022								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2023								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2024								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2025								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2026								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2027								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2028								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2029								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2030								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2031								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2032								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2033								
Non-residential	7	Non-residential Small Manufacturing	CTSM	2034								
Non-residential	7	Non-residential Office	CTSO	2020								
Non-residential	7	Non-residential Office	CTSO	2021	2	2	23,228	23,228	20,905	20,905	52	47
Non-residential	7	Non-residential Office	CTSO	2022	0	2	43,444	66,672	39,100	60,005	76	69
Non-residential	7	Non-residential Office	CTSO	2023	0	2	43,444	110,116	39,100	99,105	76	69
Non-residential	7	Non-residential Office	CTSO	2024	0	2	43,448	153,564	39,103	138,207	76	69
Non-residential	7	Non-residential Office	CTSO	2025	0	2	43,444	197,008	39,100	177,307	76	69
Non-residential	7	Non-residential Office	CTSO	2026	0	2	43,444	240,452	39,100	216,407	76	68
Non-residential	7	Non-residential Office	CTSO	2027	0	2	43,441	283,893	39,097	255,504	76	69
Non-residential	7	Non-residential Office	CTSO	2028	0	2	20,318	304,211	18,287	273,790	38	34

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2020	30	30	804,993	804,993	563,495	563,495	2,658	1,861
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2021	45	75	2,589,710	3,394,702	1,812,797	2,376,292	3,415	2,390
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2022	0	75	2,883,425	6,278,127	2,018,397	4,394,689	4,019	2,813
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2023	0	75	2,883,423	9,161,550	2,018,396	6,413,085	4,016	2,811
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2024	0	75	2,883,114	12,044,664	2,018,180	8,431,265	3,988	2,792
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2025	0	75	2,883,425	14,928,089	2,018,398	10,449,663	4,004	2,803
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2026	0	75	2,883,426	17,811,516	2,018,398	12,468,061	4,007	2,805
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2027	0	75	2,883,738	20,695,254	2,018,617	14,486,678	4,018	2,812
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2028	0	75	2,883,423	23,578,676	2,018,396	16,505,073	4,006	2,804
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2029	0	75	2,883,114	26,461,790	2,018,180	18,523,253	4,007	2,805
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2030	0	75	2,883,425	29,345,215	2,018,397	20,541,651	4,007	2,805
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2031	0	75	2,883,426	32,228,641	2,018,398	22,560,049	4,004	2,803
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2032	0	75	2,883,738	35,112,379	2,018,617	24,578,665	3,997	2,798
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2033	0	75	2,883,425	37,995,804	2,018,397	26,597,063	4,019	2,813
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2034	0	75	2,883,424	40,879,227	2,018,397	28,615,459	4,016	2,811
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2035	0	75	2,085,667	42,964,894	1,459,967	30,075,426	4,007	2,805
Non-residential	7	Non-residential Heating and Cooling Efficiency	CHV3	2036	0	43	296,885	43,261,779	207,820	30,283,246	870	609
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2020	415	415	12,044,654	12,044,654	8,431,258	8,431,258	5,186	3,630
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2021	393	808	41,258,792	53,303,446	28,881,154	37,312,412	9,227	6,459
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2022	0	808	52,037,955	105,341,401	36,426,569	73,738,981	9,311	6,518
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2023	0	808	52,037,954	157,379,356	36,426,568	110,165,549	9,305	6,513
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2024	0	808	52,038,168	209,417,524	36,426,718	146,592,267	9,296	6,507
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2025	0	808	52,037,958	261,455,482	36,426,571	183,018,837	9,298	6,508
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2026	0	808	52,037,963	313,493,444	36,426,574	219,445,411	9,298	6,509
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2027	0	808	52,037,747	365,531,191	36,426,423	255,871,834	9,311	6,518
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2028	0	808	52,037,954	417,569,145	36,426,568	292,298,402	9,309	6,516
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2029	0	808	52,038,167	469,607,313	36,426,717	328,725,119	9,298	6,509
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2030	0	808	51,557,353	521,164,665	36,090,147	364,815,266	9,298	6,508
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2031	0	665	29,686,840	550,851,505	20,780,788	385,596,053	8,330	5,831
Non-residential	7	Non-residential Lighting Systems & Controls	CLT3	2032	0	227	4,377,561	555,229,066	3,064,293	388,660,346	2,864	2,005
Non-residential	7	Non-residential Window Film	CSW2	2020	23	23	153,378	153,378	122,703	122,703	130	104
Non-residential	7	Non-residential Window Film	CSW2	2021	20	43	333,086	486,465	266,469	389,172	166	133
Non-residential	7	Non-residential Window Film	CSW2	2022	0	43	347,471	833,936	277,977	667,149	166	133
Non-residential	7	Non-residential Window Film	CSW2	2023	0	43	347,471	1,181,407	277,977	945,125	166	133
Non-residential	7	Non-residential Window Film	CSW2	2024	0	43	347,471	1,528,878	277,977	1,223,102	165	132
Non-residential	7	Non-residential Window Film	CSW2	2025	0	43	347,471	1,876,349	277,977	1,501,079	165	132
Non-residential	7	Non-residential Window Film	CSW2	2026	0	43	347,471	2,223,820	277,977	1,779,056	165	132
Non-residential	7	Non-residential Window Film	CSW2	2027	0	43	347,471	2,571,291	277,977	2,057,033	166	133
Non-residential	7	Non-residential Window Film	CSW2	2028	0	43	347,471	2,918,762	277,977	2,335,010	166	133
Non-residential	7	Non-residential Window Film	CSW2	2029	0	43	347,471	3,266,233	277,977	2,612,987	165	132
Non-residential	7	Non-residential Window Film	CSW2	2030	0	43	194,870	3,461,103	155,896	2,768,883	161	128
Non-residential	7	Non-residential Window Film	CSW2	2031	0	20	14,629	3,475,732	11,703	2,780,586	33	26
Non-residential	7	Non-residential Small Manufacturing	CTSM	2021	1	1	27,452	27,452	24,707	24,707	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2022	0	1	112,237	139,689	101,013	125,720	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2023	0	1	112,237	251,926	101,013	226,733	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2024	0	1	112,234	364,160	101,011	327,744	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2025	0	1	112,237	476,396	101,013	428,757	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2026	0	1	112,237	588,633	101,013	529,770	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2027	0	1	112,239	700,872	101,015	630,785	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2028	0	1	112,237	813,108	101,013	731,798	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2029	0	1	112,234	925,343	101,011	832,808	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2030	0	1	112,237	1,037,579	101,013	933,821	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2031	0	1	112,237	1,149,816	101,013	1,034,834	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2032	0	1	112,239	1,262,055	101,015	1,135,849	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2033	0	1	112,237	1,374,291	101,013	1,236,862	23	21
Non-residential	7	Non-residential Small Manufacturing	CTSM	2034	0	1	11,359	1,385,651	10,223	1,247,086	23	21
Non-residential	7	Non-residential Office	CTSO	2020	6	6	8,158	8,158	7,343	7,343	42	37
Non-residential	7	Non-residential Office	CTSO	2021	61	67	1,224,719	1,232,878	1,102,247	1,109,590	2,320	2,088
Non-residential	7	Non-residential Office	CTSO	2022	0	67	1,378,438	2,611,316	1,240,594	2,350,184	2,417	2,175
Non-residential	7	Non-residential Office	CTSO	2023	0	67	1,378,438	3,989,754	1,240,594	3,590,778	2,416	2,175
Non-residential	7	Non-residential Office	CTSO	2024	0	67	1,378,548	5,368,301	1,240,693	4,831,471	2,419	2,177
Non-residential	7	Non-residential Office	CTSO	2025	0	67	1,378,438	6,746,739	1,240,594	6,072,065	2,418	2,176
Non-residential	7	Non-residential Office	CTSO	2026	0	67	1,378,438	8,125,177	1,240,594	7,312,659	2,414	2,173
Non-residential	7	Non-residential Office	CTSO	2027	0	67	1,370,435	9,495,612	1,233,392	8,546,051	2,417	2,175
Non-residential	7	Non-residential Office	CTSO	2028	0	42	153,231	9,648,844	137,908	8,683,959	397	357

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential Customer Engagement	RCEB	2021	313,636	313,636	48,408,201	48,408,201	48,408,201	48,408,201	21,415	21,415
Residential	8	Residential Customer Engagement	RCEB	2022	0	313,636	15,651,732	64,059,934	15,651,732	64,059,934	22,561	22,561
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2021	93	93	2,372	2,372	1,898	1,898	5	4
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2022	0	93	12,379	14,751	9,903	11,801	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2023	0	93	12,379	27,129	9,903	21,704	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2024	0	93	12,381	39,510	9,905	31,608	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2025	0	93	12,379	51,889	9,903	41,511	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2026	0	93	12,379	64,267	9,903	51,414	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2027	0	93	12,376	76,644	9,901	61,315	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2028	0	93	12,379	89,022	9,903	71,218	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2029	0	93	12,381	101,403	9,905	81,122	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2030	0	93	12,379	113,782	9,903	91,025	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2031	0	93	10,041	123,823	8,033	99,058	6	5
Residential	8	Residential Retrofit	RHRF	2021	99	99	40,700	40,700	36,630	36,630	47	42
Residential	8	Residential Retrofit	RHRF	2022	0	99	207,565	248,266	186,809	223,439	80	72
Residential	8	Residential Retrofit	RHRF	2023	0	99	207,565	455,831	186,809	410,248	80	72
Residential	8	Residential Retrofit	RHRF	2024	0	99	207,563	663,393	186,806	597,054	80	72
Residential	8	Residential Retrofit	RHRF	2025	0	99	207,565	870,959	186,809	783,863	80	72
Residential	8	Residential Retrofit	RHRF	2026	0	99	207,565	1,078,524	186,809	970,671	80	72
Residential	8	Residential Retrofit	RHRF	2027	0	99	206,882	1,285,406	186,194	1,156,865	80	72
Residential	8	Residential Retrofit	RHRF	2028	0	99	206,778	1,492,184	186,100	1,342,966	80	72
Residential	8	Residential Retrofit	RHRF	2029	0	99	206,776	1,698,960	186,098	1,529,064	80	72
Residential	8	Residential Retrofit	RHRF	2030	0	99	206,778	1,905,738	186,100	1,715,164	80	72
Residential	8	Residential Retrofit	RHRF	2031	0	99	206,728	2,112,466	186,055	1,901,220	80	72
Residential	8	Residential Retrofit	RHRF	2032	0	99	206,256	2,318,723	185,631	2,086,850	80	72
Residential	8	Residential Retrofit	RHRF	2033	0	99	206,254	2,524,976	185,629	2,272,479	80	72
Residential	8	Residential Retrofit	RHRF	2034	0	99	206,254	2,731,230	185,629	2,458,107	80	72
Residential	8	Residential Retrofit	RHRF	2035	0	99	206,252	2,937,482	185,626	2,643,734	80	72
Residential	8	Residential Retrofit	RHRF	2036	0	99	204,656	3,142,138	184,190	2,827,924	80	72
Residential	8	Residential Retrofit	RHRF	2037	0	98	199,162	3,341,300	179,246	3,007,170	78	70
Residential	8	Residential Retrofit	RHRF	2038	0	98	198,906	3,540,205	179,015	3,186,185	78	70
Residential	8	Residential Retrofit	RHRF	2039	0	97	198,453	3,738,658	178,607	3,364,792	78	70
Residential	8	Residential Retrofit	RHRF	2040	0	97	197,364	3,936,022	177,627	3,542,419	78	70
Residential	8	Residential Retrofit	RHRF	2041	0	97	191,031	4,127,052	171,928	3,714,347	77	70
Residential	8	Residential Retrofit	RHRF	2042	0	88	166,442	4,293,494	149,797	3,864,144	65	58
Residential	8	Residential Retrofit	RHRF	2043	0	88	166,442	4,459,935	149,797	4,013,942	65	58
Residential	8	Residential Retrofit	RHRF	2044	0	88	166,408	4,626,344	149,768	4,163,709	65	58
Residential	8	HB 2789 Residential HVAC	RHVC	2021	3,361	3,349	281,792	281,792	225,434	225,434	583	467
Residential	8	HB 2789 Residential HVAC	RHVC	2022	0	3,349	1,335,569	1,617,362	1,068,456	1,293,889	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2023	0	3,349	1,335,569	2,952,931	1,068,455	2,362,345	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2024	0	3,349	1,335,517	4,288,448	1,068,414	3,430,758	909	727
Residential	8	HB 2789 Residential HVAC	RHVC	2025	0	3,349	1,335,570	5,624,017	1,068,456	4,499,214	909	728
Residential	8	HB 2789 Residential HVAC	RHVC	2026	0	3,349	1,335,570	6,959,587	1,068,456	5,567,670	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2027	0	3,349	1,335,621	8,295,208	1,068,497	6,636,167	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2028	0	3,349	1,325,891	9,621,099	1,060,712	7,696,879	909	727
Residential	8	HB 2789 Residential HVAC	RHVC	2029	0	3,020	918,227	10,539,326	734,581	8,431,461	829	663
Residential	8	HB 2789 Residential HVAC	RHVC	2030	0	1,535	543,366	11,082,692	434,693	8,866,154	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2031	0	1,535	543,366	11,626,058	434,693	9,300,847	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2032	0	1,535	543,372	12,169,431	434,698	9,735,544	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2033	0	1,535	543,366	12,712,797	434,693	10,170,237	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2034	0	1,535	543,366	13,256,163	434,693	10,604,930	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2035	0	1,535	543,360	13,799,523	434,688	11,039,618	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2036	0	1,535	535,940	14,335,463	428,752	11,468,371	208	167
Residential	8	HB 2789 Residential HVAC	RHVC	2037	0	1,492	520,804	14,856,267	416,643	11,885,014	207	165
Residential	8	HB 2789 Residential HVAC	RHVC	2038	0	1,492	520,810	15,377,077	416,648	12,301,661	207	165
Residential	8	HB 2789 Residential HVAC	RHVC	2039	0	1,492	479,993	15,857,070	383,994	12,685,656	206	165
Residential	8	HB 2789 Residential HVAC	RHVC	2040	0	759	273,157	16,130,227	218,526	12,904,182	103	83
Residential	8	HB 2789 Residential HVAC	RHVC	2041	0	759	254,937	16,385,164	203,949	13,108,131	100	80

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential Customer Engagement	RCEB	2021								
Residential	8	Residential Customer Engagement	RCEB	2022								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2021								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2022								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2023								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2024								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2025								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2026								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2027								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2028								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2029								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2030								
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2031								
Residential	8	Residential Retrofit	RHRF	2021								
Residential	8	Residential Retrofit	RHRF	2022								
Residential	8	Residential Retrofit	RHRF	2023								
Residential	8	Residential Retrofit	RHRF	2024								
Residential	8	Residential Retrofit	RHRF	2025								
Residential	8	Residential Retrofit	RHRF	2026								
Residential	8	Residential Retrofit	RHRF	2027								
Residential	8	Residential Retrofit	RHRF	2028								
Residential	8	Residential Retrofit	RHRF	2029								
Residential	8	Residential Retrofit	RHRF	2030								
Residential	8	Residential Retrofit	RHRF	2031								
Residential	8	Residential Retrofit	RHRF	2032								
Residential	8	Residential Retrofit	RHRF	2033								
Residential	8	Residential Retrofit	RHRF	2034								
Residential	8	Residential Retrofit	RHRF	2035								
Residential	8	Residential Retrofit	RHRF	2036								
Residential	8	Residential Retrofit	RHRF	2037								
Residential	8	Residential Retrofit	RHRF	2038								
Residential	8	Residential Retrofit	RHRF	2039								
Residential	8	Residential Retrofit	RHRF	2040								
Residential	8	Residential Retrofit	RHRF	2041								
Residential	8	Residential Retrofit	RHRF	2042								
Residential	8	Residential Retrofit	RHRF	2043								
Residential	8	Residential Retrofit	RHRF	2044								
Residential	8	HB 2789 Residential HVAC	RHVC	2021								
Residential	8	HB 2789 Residential HVAC	RHVC	2022								
Residential	8	HB 2789 Residential HVAC	RHVC	2023								
Residential	8	HB 2789 Residential HVAC	RHVC	2024								
Residential	8	HB 2789 Residential HVAC	RHVC	2025								
Residential	8	HB 2789 Residential HVAC	RHVC	2026								
Residential	8	HB 2789 Residential HVAC	RHVC	2027								
Residential	8	HB 2789 Residential HVAC	RHVC	2028								
Residential	8	HB 2789 Residential HVAC	RHVC	2029								
Residential	8	HB 2789 Residential HVAC	RHVC	2030								
Residential	8	HB 2789 Residential HVAC	RHVC	2031								
Residential	8	HB 2789 Residential HVAC	RHVC	2032								
Residential	8	HB 2789 Residential HVAC	RHVC	2033								
Residential	8	HB 2789 Residential HVAC	RHVC	2034								
Residential	8	HB 2789 Residential HVAC	RHVC	2035								
Residential	8	HB 2789 Residential HVAC	RHVC	2036								
Residential	8	HB 2789 Residential HVAC	RHVC	2037								
Residential	8	HB 2789 Residential HVAC	RHVC	2038								
Residential	8	HB 2789 Residential HVAC	RHVC	2039								
Residential	8	HB 2789 Residential HVAC	RHVC	2040								
Residential	8	HB 2789 Residential HVAC	RHVC	2041								

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential Customer Engagement	RCEB	2021	313,636	313,636	48,408,201	48,408,201	48,408,201	48,408,201	21,415	21,415
Residential	8	Residential Customer Engagement	RCEB	2022	0	313,636	15,651,732	64,059,934	15,651,732	64,059,934	22,561	22,561
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2021	93	93	2,372	2,372	1,898	1,898	5	4
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2022	0	93	12,379	14,751	9,903	11,801	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2023	0	93	12,379	27,129	9,903	21,704	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2024	0	93	12,381	39,510	9,905	31,608	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2025	0	93	12,379	51,889	9,903	41,511	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2026	0	93	12,379	64,267	9,903	51,414	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2027	0	93	12,376	76,644	9,901	61,315	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2028	0	93	12,379	89,022	9,903	71,218	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2029	0	93	12,381	101,403	9,905	81,122	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2030	0	93	12,379	113,782	9,903	91,025	6	5
Residential	8	Residential Electric Vehicle Purchase Energy Efficiency	REVEE	2031	0	93	10,041	123,823	8,033	99,058	6	5
Residential	8	Residential Retrofit	RHRF	2021	99	99	40,700	40,700	36,630	36,630	47	42
Residential	8	Residential Retrofit	RHRF	2022	0	99	207,565	248,266	186,809	223,439	80	72
Residential	8	Residential Retrofit	RHRF	2023	0	99	207,565	455,831	186,809	410,248	80	72
Residential	8	Residential Retrofit	RHRF	2024	0	99	207,563	663,393	186,806	597,054	80	72
Residential	8	Residential Retrofit	RHRF	2025	0	99	207,565	870,959	186,809	783,863	80	72
Residential	8	Residential Retrofit	RHRF	2026	0	99	207,565	1,078,524	186,809	970,671	80	72
Residential	8	Residential Retrofit	RHRF	2027	0	99	206,882	1,285,406	186,194	1,156,865	80	72
Residential	8	Residential Retrofit	RHRF	2028	0	99	206,778	1,492,184	186,100	1,342,966	80	72
Residential	8	Residential Retrofit	RHRF	2029	0	99	206,776	1,698,960	186,098	1,529,064	80	72
Residential	8	Residential Retrofit	RHRF	2030	0	99	206,778	1,905,738	186,100	1,715,164	80	72
Residential	8	Residential Retrofit	RHRF	2031	0	99	206,728	2,112,466	186,055	1,901,220	80	72
Residential	8	Residential Retrofit	RHRF	2032	0	99	206,256	2,318,723	185,631	2,086,850	80	72
Residential	8	Residential Retrofit	RHRF	2033	0	99	206,254	2,524,976	185,629	2,272,479	80	72
Residential	8	Residential Retrofit	RHRF	2034	0	99	206,254	2,731,230	185,629	2,458,107	80	72
Residential	8	Residential Retrofit	RHRF	2035	0	99	206,252	2,937,482	185,626	2,643,734	80	72
Residential	8	Residential Retrofit	RHRF	2036	0	99	204,656	3,142,138	184,190	2,827,924	80	72
Residential	8	Residential Retrofit	RHRF	2037	0	98	199,162	3,341,300	179,246	3,007,170	78	70
Residential	8	Residential Retrofit	RHRF	2038	0	98	198,906	3,540,205	179,015	3,186,185	78	70
Residential	8	Residential Retrofit	RHRF	2039	0	97	198,453	3,738,658	178,607	3,364,792	78	70
Residential	8	Residential Retrofit	RHRF	2040	0	97	197,364	3,936,022	177,627	3,542,419	78	70
Residential	8	Residential Retrofit	RHRF	2041	0	97	191,031	4,127,052	171,928	3,714,347	77	70
Residential	8	Residential Retrofit	RHRF	2042	0	88	166,442	4,293,494	149,797	3,864,144	65	58
Residential	8	Residential Retrofit	RHRF	2043	0	88	166,442	4,459,935	149,797	4,013,942	65	58
Residential	8	Residential Retrofit	RHRF	2044	0	88	166,408	4,626,344	149,768	4,163,709	65	58
Residential	8	HB 2789 Residential HVAC	RHVC	2021	3,361	3,349	281,792	281,792	225,434	225,434	583	467
Residential	8	HB 2789 Residential HVAC	RHVC	2022	0	3,349	1,335,569	1,617,362	1,068,456	1,293,889	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2023	0	3,349	1,335,569	2,952,931	1,068,455	2,362,345	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2024	0	3,349	1,335,517	4,288,448	1,068,414	3,430,758	909	727
Residential	8	HB 2789 Residential HVAC	RHVC	2025	0	3,349	1,335,570	5,624,017	1,068,456	4,499,214	909	728
Residential	8	HB 2789 Residential HVAC	RHVC	2026	0	3,349	1,335,570	6,959,587	1,068,456	5,567,670	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2027	0	3,349	1,335,621	8,295,208	1,068,497	6,636,167	910	728
Residential	8	HB 2789 Residential HVAC	RHVC	2028	0	3,349	1,325,891	9,621,099	1,060,712	7,696,879	909	727
Residential	8	HB 2789 Residential HVAC	RHVC	2029	0	3,020	918,227	10,539,326	734,581	8,431,461	829	663
Residential	8	HB 2789 Residential HVAC	RHVC	2030	0	1,535	543,366	11,082,692	434,693	8,866,154	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2031	0	1,535	543,366	11,626,058	434,693	9,300,847	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2032	0	1,535	543,372	12,169,431	434,698	9,735,544	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2033	0	1,535	543,366	12,712,797	434,693	10,170,237	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2034	0	1,535	543,366	13,256,163	434,693	10,604,930	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2035	0	1,535	543,360	13,799,523	434,688	11,039,618	209	167
Residential	8	HB 2789 Residential HVAC	RHVC	2036	0	1,535	535,940	14,335,463	428,752	11,468,371	208	167
Residential	8	HB 2789 Residential HVAC	RHVC	2037	0	1,492	520,804	14,856,267	416,643	11,885,014	207	165
Residential	8	HB 2789 Residential HVAC	RHVC	2038	0	1,492	520,810	15,377,077	416,648	12,301,661	207	165
Residential	8	HB 2789 Residential HVAC	RHVC	2039	0	1,492	479,993	15,857,070	383,994	12,685,656	206	165
Residential	8	HB 2789 Residential HVAC	RHVC	2040	0	759	273,157	16,130,227	218,526	12,904,182	103	83
Residential	8	HB 2789 Residential HVAC	RHVC	2041	0	759	254,937	16,385,164	203,949	13,108,131	100	80

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	HB 2789 Residential HVAC	RHVC	2042	0	456	81,196	16,466,360	64,957	13,173,088	34	28
Residential	8	HB 2789 Residential HVAC	RHVC	2043	0	456	81,196	16,547,555	64,957	13,238,044	34	28
Residential	8	HB 2789 Residential HVAC	RHVC	2044	0	456	81,177	16,628,733	64,942	13,302,986	34	28
Residential	8	Residential Kits	RKTS	2021	28,113	28,113	960,621	960,621	576,372	576,372	950	570
Residential	8	Residential Kits	RKTS	2022	0	28,113	3,443,000	4,403,620	2,065,800	2,642,172	950	570
Residential	8	Residential Kits	RKTS	2023	0	28,113	3,443,000	7,846,620	2,065,800	4,707,972	950	570
Residential	8	Residential Kits	RKTS	2024	0	28,113	3,442,974	11,289,594	2,065,785	6,773,757	950	570
Residential	8	Residential Kits	RKTS	2025	0	28,113	3,442,999	14,732,594	2,065,800	8,839,556	950	570
Residential	8	Residential Kits	RKTS	2026	0	28,113	2,553,120	17,285,714	1,531,872	10,371,428	919	552
Residential	8	Residential Kits	RKTS	2027	0	531	287,318	17,573,032	172,391	10,543,819	72	43
Residential	8	Residential Kits	RKTS	2028	0	531	287,315	17,860,347	172,389	10,716,208	71	43
Residential	8	Residential Kits	RKTS	2029	0	531	287,313	18,147,659	172,388	10,888,596	72	43
Residential	8	Residential Kits	RKTS	2030	0	531	287,315	18,434,975	172,389	11,060,985	72	43
Residential	8	Residential Kits	RKTS	2031	0	531	269,060	18,704,035	161,436	11,222,421	72	43
Residential	8	Residential Kits	RKTS	2032	0	531	196,188	18,900,223	117,713	11,340,134	47	28
Residential	8	Residential Kits	RKTS	2033	0	531	196,186	19,096,409	117,712	11,457,845	47	28
Residential	8	Residential Kits	RKTS	2034	0	531	196,186	19,292,595	117,712	11,575,557	47	28
Residential	8	Residential Kits	RKTS	2035	0	531	196,185	19,488,780	117,711	11,693,268	47	28
Residential	8	Residential Kits	RKTS	2036	0	531	179,281	19,668,060	107,568	11,800,836	47	28
Residential	8	Residential Kits	RKTS	2037	0	334	115,378	19,783,438	69,227	11,870,063	32	19
Residential	8	Residential Kits	RKTS	2038	0	334	115,379	19,898,817	69,227	11,939,290	32	19
Residential	8	Residential Kits	RKTS	2039	0	334	115,378	20,014,195	69,227	12,008,517	32	19
Residential	8	Residential Kits	RKTS	2040	0	334	115,377	20,129,572	69,226	12,077,743	32	19
Residential	8	Residential Kits	RKTS	2041	0	334	70,419	20,199,991	42,251	12,119,994	31	19
Residential	8	Residential Multifamily	RMFP	2021	9	9	30	30	27	27	0	0
Residential	8	Residential Multifamily	RMFP	2022	0	9	616	646	555	582	0	0
Residential	8	Residential Multifamily	RMFP	2023	0	9	616	1,263	555	1,137	0	0
Residential	8	Residential Multifamily	RMFP	2024	0	9	616	1,879	555	1,692	0	0
Residential	8	Residential Multifamily	RMFP	2025	0	9	616	2,496	555	2,246	0	0
Residential	8	Residential Multifamily	RMFP	2026	0	9	616	3,112	555	2,801	0	0
Residential	8	Residential Multifamily	RMFP	2027	0	9	616	3,729	555	3,356	0	0
Residential	8	Residential Multifamily	RMFP	2028	0	9	616	4,345	555	3,911	0	0
Residential	8	Residential Multifamily	RMFP	2029	0	9	616	4,962	555	4,466	0	0
Residential	8	Residential Multifamily	RMFP	2030	0	9	616	5,578	555	5,021	0	0
Residential	8	Residential Multifamily	RMFP	2031	0	9	616	6,195	555	5,575	0	0
Residential	8	Residential Multifamily	RMFP	2032	0	9	616	6,811	555	6,130	0	0
Residential	8	Residential Multifamily	RMFP	2033	0	9	616	7,428	555	6,685	0	0
Residential	8	Residential Multifamily	RMFP	2034	0	9	616	8,044	555	7,240	0	0
Residential	8	Residential Multifamily	RMFP	2035	0	9	616	8,661	555	7,795	0	0
Residential	8	Residential Multifamily	RMFP	2036	0	9	605	9,266	544	8,339	0	0
Residential	8	Residential Multifamily	RMFP	2037	0	6	376	9,641	338	8,677	0	0
Residential	8	Residential Multifamily	RMFP	2038	0	6	356	9,997	320	8,998	0	0
Residential	8	Residential Multifamily	RMFP	2039	0	6	340	10,337	306	9,303	0	0
Residential	8	Residential Multifamily	RMFP	2040	0	6	340	10,677	306	9,609	0	0
Residential	8	Residential Multifamily	RMFP	2041	0	6	261	10,938	235	9,844	0	0
Residential	8	Residential Manufactured Housing	RMHP	2021	3	3	66	66	60	60	0	0
Residential	8	Residential Manufactured Housing	RMHP	2022	0	3	916	982	824	884	0	0
Residential	8	Residential Manufactured Housing	RMHP	2023	0	3	916	1,897	824	1,708	0	0
Residential	8	Residential Manufactured Housing	RMHP	2024	0	3	916	2,813	824	2,532	0	0
Residential	8	Residential Manufactured Housing	RMHP	2025	0	3	916	3,729	824	3,356	0	0
Residential	8	Residential Manufactured Housing	RMHP	2026	0	3	900	4,628	810	4,166	0	0
Residential	8	Residential Manufactured Housing	RMHP	2027	0	3	490	5,118	441	4,606	0	0
Residential	8	Residential Manufactured Housing	RMHP	2028	0	3	449	5,567	404	5,010	0	0
Residential	8	Residential Manufactured Housing	RMHP	2029	0	3	449	6,016	404	5,414	0	0
Residential	8	Residential Manufactured Housing	RMHP	2030	0	3	449	6,464	404	5,818	0	0
Residential	8	Residential Manufactured Housing	RMHP	2031	0	3	446	6,910	401	6,219	0	0
Residential	8	Residential Manufactured Housing	RMHP	2032	0	3	412	7,322	371	6,590	0	0
Residential	8	Residential Manufactured Housing	RMHP	2033	0	3	412	7,735	371	6,961	0	0
Residential	8	Residential Manufactured Housing	RMHP	2034	0	3	412	8,147	371	7,332	0	0
Residential	8	Residential Manufactured Housing	RMHP	2035	0	3	412	8,559	371	7,703	0	0
Residential	8	Residential Manufactured Housing	RMHP	2036	0	3	394	8,953	354	8,057	0	0
Residential	8	Residential Manufactured Housing	RMHP	2037	0	3	158	9,111	143	8,200	0	0
Residential	8	Residential Manufactured Housing	RMHP	2038	0	3	120	9,231	108	8,308	0	0
Residential	8	Residential Manufactured Housing	RMHP	2039	0	3	90	9,321	81	8,389	0	0
Residential	8	Residential Manufactured Housing	RMHP	2040	0	3	90	9,411	81	8,470	0	0
Residential	8	Residential Manufactured Housing	RMHP	2041	0	3	83	9,494	75	8,545	0	0

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	HB 2789 Residential HVAC	RHVC	2042								
Residential	8	HB 2789 Residential HVAC	RHVC	2043								
Residential	8	HB 2789 Residential HVAC	RHVC	2044								
Residential	8	Residential Kits	RKTS	2021	1,264	1,264	47,618	47,618	28,571	28,571	44	26
Residential	8	Residential Kits	RKTS	2022	0	1,264	159,580	207,198	95,748	124,319	44	26
Residential	8	Residential Kits	RKTS	2023	0	1,264	159,580	366,778	95,748	220,067	44	26
Residential	8	Residential Kits	RKTS	2024	0	1,264	159,579	526,358	95,748	315,815	44	26
Residential	8	Residential Kits	RKTS	2025	0	1,264	159,580	685,938	95,748	411,563	44	26
Residential	8	Residential Kits	RKTS	2026	0	1,264	116,720	802,658	70,032	481,595	42	25
Residential	8	Residential Kits	RKTS	2027	0	29	17,697	820,354	10,618	492,212	5	3
Residential	8	Residential Kits	RKTS	2028	0	29	17,696	838,050	10,618	502,830	4	3
Residential	8	Residential Kits	RKTS	2029	0	29	17,696	855,747	10,618	513,448	5	3
Residential	8	Residential Kits	RKTS	2030	0	29	17,696	873,443	10,618	524,066	5	3
Residential	8	Residential Kits	RKTS	2031	0	29	16,259	889,702	9,756	533,821	5	3
Residential	8	Residential Kits	RKTS	2032	0	29	10,898	900,600	6,539	540,360	3	2
Residential	8	Residential Kits	RKTS	2033	0	29	10,898	911,498	6,539	546,899	3	2
Residential	8	Residential Kits	RKTS	2034	0	29	10,898	922,396	6,539	553,438	3	2
Residential	8	Residential Kits	RKTS	2035	0	29	10,898	933,294	6,539	559,976	3	2
Residential	8	Residential Kits	RKTS	2036	0	29	9,739	943,032	5,843	565,819	3	2
Residential	8	Residential Kits	RKTS	2037	0	20	6,148	949,181	3,689	569,508	2	1
Residential	8	Residential Kits	RKTS	2038	0	20	6,148	955,329	3,689	573,197	2	1
Residential	8	Residential Kits	RKTS	2039	0	20	6,148	961,477	3,689	576,886	2	1
Residential	8	Residential Kits	RKTS	2040	0	20	6,148	967,626	3,689	580,575	2	1
Residential	8	Residential Kits	RKTS	2041	0	20	3,449	971,074	2,069	582,645	2	1
Residential	8	Residential Multifamily	RMFP	2021								
Residential	8	Residential Multifamily	RMFP	2022								
Residential	8	Residential Multifamily	RMFP	2023								
Residential	8	Residential Multifamily	RMFP	2024								
Residential	8	Residential Multifamily	RMFP	2025								
Residential	8	Residential Multifamily	RMFP	2026								
Residential	8	Residential Multifamily	RMFP	2027								
Residential	8	Residential Multifamily	RMFP	2028								
Residential	8	Residential Multifamily	RMFP	2029								
Residential	8	Residential Multifamily	RMFP	2030								
Residential	8	Residential Multifamily	RMFP	2031								
Residential	8	Residential Multifamily	RMFP	2032								
Residential	8	Residential Multifamily	RMFP	2033								
Residential	8	Residential Multifamily	RMFP	2034								
Residential	8	Residential Multifamily	RMFP	2035								
Residential	8	Residential Multifamily	RMFP	2036								
Residential	8	Residential Multifamily	RMFP	2037								
Residential	8	Residential Multifamily	RMFP	2038								
Residential	8	Residential Multifamily	RMFP	2039								
Residential	8	Residential Multifamily	RMFP	2040								
Residential	8	Residential Multifamily	RMFP	2041								
Residential	8	Residential Manufactured Housing	RMHP	2021								
Residential	8	Residential Manufactured Housing	RMHP	2022								
Residential	8	Residential Manufactured Housing	RMHP	2023								
Residential	8	Residential Manufactured Housing	RMHP	2024								
Residential	8	Residential Manufactured Housing	RMHP	2025								
Residential	8	Residential Manufactured Housing	RMHP	2026								
Residential	8	Residential Manufactured Housing	RMHP	2027								
Residential	8	Residential Manufactured Housing	RMHP	2028								
Residential	8	Residential Manufactured Housing	RMHP	2029								
Residential	8	Residential Manufactured Housing	RMHP	2030								
Residential	8	Residential Manufactured Housing	RMHP	2031								
Residential	8	Residential Manufactured Housing	RMHP	2032								
Residential	8	Residential Manufactured Housing	RMHP	2033								
Residential	8	Residential Manufactured Housing	RMHP	2034								
Residential	8	Residential Manufactured Housing	RMHP	2035								
Residential	8	Residential Manufactured Housing	RMHP	2036								
Residential	8	Residential Manufactured Housing	RMHP	2037								
Residential	8	Residential Manufactured Housing	RMHP	2038								
Residential	8	Residential Manufactured Housing	RMHP	2039								
Residential	8	Residential Manufactured Housing	RMHP	2040								
Residential	8	Residential Manufactured Housing	RMHP	2041								

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	HB 2789 Residential HVAC	RHVC	2042	0	456	81,196	16,466,360	64,957	13,173,088	34	28
Residential	8	HB 2789 Residential HVAC	RHVC	2043	0	456	81,196	16,547,555	64,957	13,238,044	34	28
Residential	8	HB 2789 Residential HVAC	RHVC	2044	0	456	81,177	16,628,733	64,942	13,302,986	34	28
Residential	8	Residential Kits	RKTS	2021	29,377	29,377	1,008,238	1,008,238	604,943	604,943	994	596
Residential	8	Residential Kits	RKTS	2022	0	29,377	3,602,580	4,610,818	2,161,548	2,766,491	994	596
Residential	8	Residential Kits	RKTS	2023	0	29,377	3,602,580	8,213,398	2,161,548	4,928,039	994	596
Residential	8	Residential Kits	RKTS	2024	0	29,377	3,602,554	11,815,952	2,161,532	7,089,571	994	596
Residential	8	Residential Kits	RKTS	2025	0	29,377	3,602,580	15,418,532	2,161,548	9,251,119	994	596
Residential	8	Residential Kits	RKTS	2026	0	29,377	2,669,839	18,088,371	1,601,904	10,853,023	962	577
Residential	8	Residential Kits	RKTS	2027	0	560	305,014	18,393,386	183,009	11,036,031	76	46
Residential	8	Residential Kits	RKTS	2028	0	560	305,012	18,698,397	183,007	11,219,038	76	45
Residential	8	Residential Kits	RKTS	2029	0	560	305,009	19,003,406	183,005	11,402,044	76	46
Residential	8	Residential Kits	RKTS	2030	0	560	305,012	19,308,418	183,007	11,585,051	76	46
Residential	8	Residential Kits	RKTS	2031	0	560	285,320	19,593,737	171,192	11,756,242	76	46
Residential	8	Residential Kits	RKTS	2032	0	560	207,086	19,800,823	124,251	11,880,494	49	29
Residential	8	Residential Kits	RKTS	2033	0	560	207,084	20,007,907	124,250	12,004,744	49	29
Residential	8	Residential Kits	RKTS	2034	0	560	207,084	20,214,991	124,250	12,128,994	49	29
Residential	8	Residential Kits	RKTS	2035	0	560	207,082	20,422,073	124,249	12,253,244	49	29
Residential	8	Residential Kits	RKTS	2036	0	560	189,019	20,611,093	113,412	12,366,656	49	29
Residential	8	Residential Kits	RKTS	2037	0	354	121,526	20,732,619	72,916	12,439,571	34	20
Residential	8	Residential Kits	RKTS	2038	0	354	121,527	20,854,146	72,916	12,512,488	34	20
Residential	8	Residential Kits	RKTS	2039	0	354	121,526	20,975,672	72,916	12,585,403	34	20
Residential	8	Residential Kits	RKTS	2040	0	354	121,525	21,097,198	72,915	12,658,319	34	20
Residential	8	Residential Kits	RKTS	2041	0	354	73,867	21,171,065	44,320	12,702,639	33	20
Residential	8	Residential Multifamily	RMFP	2021	9	9	30	30	27	27	0	0
Residential	8	Residential Multifamily	RMFP	2022	0	9	616	646	555	582	0	0
Residential	8	Residential Multifamily	RMFP	2023	0	9	616	1,263	555	1,137	0	0
Residential	8	Residential Multifamily	RMFP	2024	0	9	616	1,879	555	1,692	0	0
Residential	8	Residential Multifamily	RMFP	2025	0	9	616	2,496	555	2,246	0	0
Residential	8	Residential Multifamily	RMFP	2026	0	9	616	3,112	555	2,801	0	0
Residential	8	Residential Multifamily	RMFP	2027	0	9	616	3,729	555	3,356	0	0
Residential	8	Residential Multifamily	RMFP	2028	0	9	616	4,345	555	3,911	0	0
Residential	8	Residential Multifamily	RMFP	2029	0	9	616	4,962	555	4,466	0	0
Residential	8	Residential Multifamily	RMFP	2030	0	9	616	5,578	555	5,021	0	0
Residential	8	Residential Multifamily	RMFP	2031	0	9	616	6,195	555	5,575	0	0
Residential	8	Residential Multifamily	RMFP	2032	0	9	616	6,811	555	6,130	0	0
Residential	8	Residential Multifamily	RMFP	2033	0	9	616	7,428	555	6,685	0	0
Residential	8	Residential Multifamily	RMFP	2034	0	9	616	8,044	555	7,240	0	0
Residential	8	Residential Multifamily	RMFP	2035	0	9	616	8,661	555	7,795	0	0
Residential	8	Residential Multifamily	RMFP	2036	0	9	605	9,266	544	8,339	0	0
Residential	8	Residential Multifamily	RMFP	2037	0	6	376	9,641	338	8,677	0	0
Residential	8	Residential Multifamily	RMFP	2038	0	6	356	9,997	320	8,998	0	0
Residential	8	Residential Multifamily	RMFP	2039	0	6	340	10,337	306	9,303	0	0
Residential	8	Residential Multifamily	RMFP	2040	0	6	340	10,677	306	9,609	0	0
Residential	8	Residential Multifamily	RMFP	2041	0	6	261	10,938	235	9,844	0	0
Residential	8	Residential Manufactured Housing	RMHP	2021	3	3	66	66	60	60	0	0
Residential	8	Residential Manufactured Housing	RMHP	2022	0	3	916	982	824	884	0	0
Residential	8	Residential Manufactured Housing	RMHP	2023	0	3	916	1,897	824	1,708	0	0
Residential	8	Residential Manufactured Housing	RMHP	2024	0	3	916	2,813	824	2,532	0	0
Residential	8	Residential Manufactured Housing	RMHP	2025	0	3	916	3,729	824	3,356	0	0
Residential	8	Residential Manufactured Housing	RMHP	2026	0	3	900	4,628	810	4,166	0	0
Residential	8	Residential Manufactured Housing	RMHP	2027	0	3	490	5,118	441	4,606	0	0
Residential	8	Residential Manufactured Housing	RMHP	2028	0	3	449	5,567	404	5,010	0	0
Residential	8	Residential Manufactured Housing	RMHP	2029	0	3	449	6,016	404	5,414	0	0
Residential	8	Residential Manufactured Housing	RMHP	2030	0	3	449	6,464	404	5,818	0	0
Residential	8	Residential Manufactured Housing	RMHP	2031	0	3	446	6,910	401	6,219	0	0
Residential	8	Residential Manufactured Housing	RMHP	2032	0	3	412	7,322	371	6,590	0	0
Residential	8	Residential Manufactured Housing	RMHP	2033	0	3	412	7,735	371	6,961	0	0
Residential	8	Residential Manufactured Housing	RMHP	2034	0	3	412	8,147	371	7,332	0	0
Residential	8	Residential Manufactured Housing	RMHP	2035	0	3	412	8,559	371	7,703	0	0
Residential	8	Residential Manufactured Housing	RMHP	2036	0	3	394	8,953	354	8,057	0	0
Residential	8	Residential Manufactured Housing	RMHP	2037	0	3	158	9,111	143	8,200	0	0
Residential	8	Residential Manufactured Housing	RMHP	2038	0	3	120	9,231	108	8,308	0	0
Residential	8	Residential Manufactured Housing	RMHP	2039	0	3	90	9,321	81	8,389	0	0
Residential	8	Residential Manufactured Housing	RMHP	2040	0	3	90	9,411	81	8,470	0	0
Residential	8	Residential Manufactured Housing	RMHP	2041	0	3	83	9,494	75	8,545	0	0

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential New Construction	RNCR	2021	1,018	1,018	497,087	497,087	432,466	432,466	261	227
Residential	8	Residential New Construction	RNCR	2022	0	1,018	1,971,437	2,468,524	1,715,150	2,147,616	873	759
Residential	8	Residential New Construction	RNCR	2023	0	1,018	1,971,437	4,439,961	1,715,150	3,862,766	873	759
Residential	8	Residential New Construction	RNCR	2024	0	1,018	1,971,435	6,411,396	1,715,149	5,577,914	872	759
Residential	8	Residential New Construction	RNCR	2025	0	1,018	1,971,437	8,382,832	1,715,150	7,293,064	872	759
Residential	8	Residential New Construction	RNCR	2026	0	1,018	1,971,437	10,354,269	1,715,150	9,008,214	873	759
Residential	8	Residential New Construction	RNCR	2027	0	1,018	1,971,438	12,325,707	1,715,151	10,723,365	873	759
Residential	8	Residential New Construction	RNCR	2028	0	1,018	1,971,437	14,297,144	1,715,150	12,438,515	873	759
Residential	8	Residential New Construction	RNCR	2029	0	1,018	1,971,435	16,268,579	1,715,148	14,153,664	873	759
Residential	8	Residential New Construction	RNCR	2030	0	1,018	1,971,437	18,240,016	1,715,150	15,868,814	872	759
Residential	8	Residential New Construction	RNCR	2031	0	1,018	1,971,437	20,211,452	1,715,150	17,583,964	872	759
Residential	8	Residential New Construction	RNCR	2032	0	1,018	1,971,438	22,182,891	1,715,151	19,299,115	873	759
Residential	8	Residential New Construction	RNCR	2033	0	1,018	1,971,437	24,154,327	1,715,150	21,014,265	873	759
Residential	8	Residential New Construction	RNCR	2034	0	1,018	1,971,437	26,125,764	1,715,150	22,729,415	873	759
Residential	8	Residential New Construction	RNCR	2035	0	1,018	1,971,435	28,097,199	1,715,149	24,444,563	873	759
Residential	8	Residential New Construction	RNCR	2036	0	1,018	1,971,437	30,068,636	1,715,150	26,159,713	872	759
Residential	8	Residential New Construction	RNCR	2037	0	1,018	1,971,437	32,040,072	1,715,150	27,874,863	873	759
Residential	8	Residential New Construction	RNCR	2038	0	1,018	1,971,438	34,011,511	1,715,151	29,590,014	873	759
Residential	8	Residential New Construction	RNCR	2039	0	1,018	1,971,437	35,982,947	1,715,150	31,305,164	873	759
Residential	8	Residential New Construction	RNCR	2040	0	1,018	1,971,435	37,954,382	1,715,148	33,020,313	873	759
Residential	8	Residential New Construction	RNCR	2041	0	1,018	1,971,437	39,925,819	1,715,150	34,735,463	872	759
Residential	8	Residential New Construction	RNCR	2042	0	1,018	1,971,437	41,897,256	1,715,150	36,450,613	872	759
Residential	8	Residential New Construction	RNCR	2043	0	1,018	1,971,437	43,868,692	1,715,150	38,165,762	873	759
Residential	8	Residential New Construction	RNCR	2044	0	1,018	1,971,259	45,839,951	1,714,995	39,880,757	873	759
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2021	4,409	4,409	729,438	729,438	600,700	600,700	1,101	901
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2022	0	4,409	1,748,764	2,478,202	1,416,590	2,017,290	1,697	1,389
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2023	0	2,939	1,631,570	4,109,771	1,305,256	3,322,546	1,486	1,189
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2024	0	2,939	1,631,475	5,741,246	1,305,180	4,627,726	1,485	1,188
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2025	0	2,939	1,631,570	7,372,817	1,305,256	5,932,983	1,485	1,188
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2026	0	2,939	1,631,570	9,004,387	1,305,256	7,238,239	1,486	1,189
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2027	0	2,939	1,631,665	10,636,052	1,305,332	8,543,571	1,487	1,189
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2028	0	2,939	1,527,071	12,163,123	1,221,657	9,765,227	1,485	1,188
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2029	0	1,880	472,482	12,635,605	377,986	10,143,213	1,037	830
Non-residential	8	Non-residential Efficient Products	CEEP	2021	7	7	6,556	6,556	5,901	5,901	8	7
Non-residential	8	Non-residential Efficient Products	CEEP	2022	0	7	65,116	71,672	58,605	64,505	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2023	0	7	65,116	136,789	58,605	123,110	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2024	0	7	65,116	201,905	58,605	181,715	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2025	0	7	65,116	267,021	58,605	240,319	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2026	0	7	65,116	332,138	58,605	298,924	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2027	0	7	65,116	397,254	58,605	357,529	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2028	0	7	65,116	462,370	58,605	416,133	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2029	0	7	65,116	527,487	58,605	474,738	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2030	0	7	65,116	592,603	58,605	533,343	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2031	0	7	65,116	657,719	58,605	591,947	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2032	0	7	65,116	722,836	58,605	650,552	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2033	0	7	58,706	781,542	52,836	703,388	35	31
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2021	307	307	783,714	783,714	728,854	728,854	410	381
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2022	0	307	2,429,201	3,212,915	2,259,157	2,988,011	551	513
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2023	0	307	2,429,201	5,642,116	2,259,157	5,247,168	550	512
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2024	0	307	2,429,210	8,071,327	2,259,166	7,506,334	550	512
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2025	0	307	2,429,201	10,500,528	2,259,157	9,765,491	550	512
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2026	0	307	2,416,972	12,917,500	2,247,784	12,013,275	545	507
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2027	0	259	2,337,333	15,254,833	2,173,720	14,186,995	479	445
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2028	0	259	2,337,342	17,592,175	2,173,728	16,360,723	479	445
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2029	0	259	2,337,351	19,929,527	2,173,737	18,534,460	478	445
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2030	0	259	2,337,342	22,266,869	2,173,728	20,708,188	478	445
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2031	0	259	2,325,255	24,592,124	2,162,487	22,870,675	476	443
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2032	0	258	2,293,857	26,885,981	2,133,287	25,003,962	472	439
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2033	0	258	2,293,865	29,179,846	2,133,295	27,137,257	473	440
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2034	0	258	2,293,865	31,473,711	2,133,295	29,270,552	472	439
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2035	0	258	2,293,874	33,767,585	2,133,303	31,403,854	472	439
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2036	0	258	1,560,211	35,327,797	1,450,997	32,854,851	449	418
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2037	0	183	118,768	35,446,565	110,455	32,965,305	103	96
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2038	0	183	118,768	35,565,333	110,455	33,075,760	104	97
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2039	0	183	100,259	35,665,593	93,241	33,169,001	95	88

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential New Construction	RNCR	2021								
Residential	8	Residential New Construction	RNCR	2022								
Residential	8	Residential New Construction	RNCR	2023								
Residential	8	Residential New Construction	RNCR	2024								
Residential	8	Residential New Construction	RNCR	2025								
Residential	8	Residential New Construction	RNCR	2026								
Residential	8	Residential New Construction	RNCR	2027								
Residential	8	Residential New Construction	RNCR	2028								
Residential	8	Residential New Construction	RNCR	2029								
Residential	8	Residential New Construction	RNCR	2030								
Residential	8	Residential New Construction	RNCR	2031								
Residential	8	Residential New Construction	RNCR	2032								
Residential	8	Residential New Construction	RNCR	2033								
Residential	8	Residential New Construction	RNCR	2034								
Residential	8	Residential New Construction	RNCR	2035								
Residential	8	Residential New Construction	RNCR	2036								
Residential	8	Residential New Construction	RNCR	2037								
Residential	8	Residential New Construction	RNCR	2038								
Residential	8	Residential New Construction	RNCR	2039								
Residential	8	Residential New Construction	RNCR	2040								
Residential	8	Residential New Construction	RNCR	2041								
Residential	8	Residential New Construction	RNCR	2042								
Residential	8	Residential New Construction	RNCR	2043								
Residential	8	Residential New Construction	RNCR	2044								
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2021	53	53	8,058	8,058	6,849	6,849	17	14
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2022	0	53	25,996	34,054	21,414	28,262	26	22
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2023	0	26	21,881	55,934	17,504	45,767	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2024	0	26	21,879	77,813	17,503	63,270	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2025	0	26	21,881	99,694	17,504	80,775	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2026	0	26	21,881	121,575	17,504	98,279	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2027	0	26	21,882	143,456	17,505	115,785	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2028	0	26	21,881	165,337	17,504	133,289	20	16
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2029	0	25	10,603	175,939	8,482	141,771	20	16
Non-residential	8	Non-residential Efficient Products	CEEP	2021								
Non-residential	8	Non-residential Efficient Products	CEEP	2022								
Non-residential	8	Non-residential Efficient Products	CEEP	2023								
Non-residential	8	Non-residential Efficient Products	CEEP	2024								
Non-residential	8	Non-residential Efficient Products	CEEP	2025								
Non-residential	8	Non-residential Efficient Products	CEEP	2026								
Non-residential	8	Non-residential Efficient Products	CEEP	2027								
Non-residential	8	Non-residential Efficient Products	CEEP	2028								
Non-residential	8	Non-residential Efficient Products	CEEP	2029								
Non-residential	8	Non-residential Efficient Products	CEEP	2030								
Non-residential	8	Non-residential Efficient Products	CEEP	2031								
Non-residential	8	Non-residential Efficient Products	CEEP	2032								
Non-residential	8	Non-residential Efficient Products	CEEP	2033								
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2021	8	8	38,077	38,077	35,412	35,412	28	26
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2022	0	8	157,603	195,680	146,570	181,982	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2023	0	8	157,603	353,282	146,570	328,553	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2024	0	8	157,603	510,886	146,571	475,124	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2025	0	8	157,603	668,488	146,570	621,694	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2026	0	8	157,603	826,091	146,570	768,264	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2027	0	8	157,602	983,693	146,570	914,834	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2028	0	8	157,603	1,141,295	146,570	1,061,405	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2029	0	8	157,603	1,298,899	146,571	1,207,976	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2030	0	8	157,603	1,456,501	146,570	1,354,546	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2031	0	8	157,042	1,613,543	146,049	1,500,595	30	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2032	0	8	154,656	1,768,200	143,830	1,644,426	29	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2033	0	8	154,657	1,922,856	143,831	1,788,256	29	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2034	0	8	154,657	2,077,513	143,831	1,932,087	29	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2035	0	8	154,657	2,232,171	143,831	2,075,919	29	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2036	0	8	117,889	2,350,060	109,637	2,185,555	29	27
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2037	0	1	2,716	2,352,776	2,526	2,188,082	2	2
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2038	0	1	2,716	2,355,492	2,526	2,190,608	2	2
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2039	0	1	2,457	2,357,949	2,285	2,192,893	2	2

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Appendix M. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Sector	Phase	Program Name	Program	Year	Incremental New Participants	Cumulative Participants at Year-End with Persistent Savings	Persistent Annual Gross Energy Savings (kWh)	Cumulative Gross Energy Savings at Year-End (kWh)	Persistent Annual Net Energy Savings (kWh)	Cumulative Net Energy Savings at Year-End (kWh)	Non-coincidental Gross Peak Demand (kW) at Year-End	Non-coincidental Net Peak Demand Reduction at Year-End (kW)
Residential	8	Residential New Construction	RNCR	2021	1,018	1,018	497,087	497,087	432,466	432,466	261	227
Residential	8	Residential New Construction	RNCR	2022	0	1,018	1,971,437	2,468,524	1,715,150	2,147,616	873	759
Residential	8	Residential New Construction	RNCR	2023	0	1,018	1,971,437	4,439,961	1,715,150	3,862,766	873	759
Residential	8	Residential New Construction	RNCR	2024	0	1,018	1,971,435	6,411,396	1,715,149	5,577,914	872	759
Residential	8	Residential New Construction	RNCR	2025	0	1,018	1,971,437	8,382,832	1,715,150	7,293,064	872	759
Residential	8	Residential New Construction	RNCR	2026	0	1,018	1,971,437	10,354,269	1,715,150	9,008,214	873	759
Residential	8	Residential New Construction	RNCR	2027	0	1,018	1,971,438	12,325,707	1,715,151	10,723,365	873	759
Residential	8	Residential New Construction	RNCR	2028	0	1,018	1,971,437	14,297,144	1,715,150	12,438,515	873	759
Residential	8	Residential New Construction	RNCR	2029	0	1,018	1,971,435	16,268,579	1,715,148	14,153,664	873	759
Residential	8	Residential New Construction	RNCR	2030	0	1,018	1,971,437	18,240,016	1,715,150	15,868,814	872	759
Residential	8	Residential New Construction	RNCR	2031	0	1,018	1,971,437	20,211,452	1,715,150	17,583,964	872	759
Residential	8	Residential New Construction	RNCR	2032	0	1,018	1,971,438	22,182,891	1,715,151	19,299,115	873	759
Residential	8	Residential New Construction	RNCR	2033	0	1,018	1,971,437	24,154,327	1,715,150	21,014,265	873	759
Residential	8	Residential New Construction	RNCR	2034	0	1,018	1,971,437	26,125,764	1,715,150	22,729,415	873	759
Residential	8	Residential New Construction	RNCR	2035	0	1,018	1,971,435	28,097,199	1,715,149	24,444,563	873	759
Residential	8	Residential New Construction	RNCR	2036	0	1,018	1,971,437	30,068,636	1,715,150	26,159,713	872	759
Residential	8	Residential New Construction	RNCR	2037	0	1,018	1,971,437	32,040,072	1,715,150	27,874,863	873	759
Residential	8	Residential New Construction	RNCR	2038	0	1,018	1,971,438	34,011,511	1,715,151	29,590,014	873	759
Residential	8	Residential New Construction	RNCR	2039	0	1,018	1,971,437	35,982,947	1,715,150	31,305,164	873	759
Residential	8	Residential New Construction	RNCR	2040	0	1,018	1,971,435	37,954,382	1,715,148	33,020,313	873	759
Residential	8	Residential New Construction	RNCR	2041	0	1,018	1,971,437	39,925,819	1,715,150	34,735,463	872	759
Residential	8	Residential New Construction	RNCR	2042	0	1,018	1,971,437	41,897,256	1,715,150	36,450,613	872	759
Residential	8	Residential New Construction	RNCR	2043	0	1,018	1,971,437	43,868,692	1,715,150	38,165,762	873	759
Residential	8	Residential New Construction	RNCR	2044	0	1,018	1,971,259	45,839,951	1,714,995	39,880,757	873	759
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2021	4,462	4,462	737,496	737,496	607,549	607,549	1,117	915
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2022	0	4,462	1,774,759	2,512,255	1,438,004	2,045,553	1,723	1,411
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2023	0	2,965	1,653,450	4,165,705	1,322,760	3,368,313	1,506	1,205
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2024	0	2,965	1,653,354	5,819,060	1,322,683	4,690,996	1,505	1,204
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2025	0	2,965	1,653,451	7,472,511	1,322,761	6,013,757	1,505	1,204
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2026	0	2,965	1,653,451	9,125,962	1,322,761	7,336,518	1,506	1,205
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2027	0	2,965	1,653,547	10,779,508	1,322,837	8,659,355	1,507	1,205
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2028	0	2,965	1,548,952	12,328,460	1,239,161	9,898,516	1,505	1,204
Residential	8	Residential Thermostat Purchase and Behavioral Energy Efficiency	RTEE/RTEB	2029	0	1,905	483,085	12,811,545	386,468	10,284,984	1,057	846
Non-residential	8	Non-residential Efficient Products	CEEP	2021	7	7	6,556	6,556	5,901	5,901	8	7
Non-residential	8	Non-residential Efficient Products	CEEP	2022	0	7	65,116	71,672	58,605	64,505	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2023	0	7	65,116	136,789	58,605	123,110	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2024	0	7	65,116	201,905	58,605	181,715	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2025	0	7	65,116	267,021	58,605	240,319	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2026	0	7	65,116	332,138	58,605	298,924	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2027	0	7	65,116	397,254	58,605	357,529	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2028	0	7	65,116	462,370	58,605	416,133	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2029	0	7	65,116	527,487	58,605	474,738	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2030	0	7	65,116	592,603	58,605	533,343	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2031	0	7	65,116	657,719	58,605	591,947	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2032	0	7	65,116	722,836	58,605	650,552	35	31
Non-residential	8	Non-residential Efficient Products	CEEP	2033	0	7	58,706	781,542	52,836	703,388	35	31
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2021	315	315	821,791	821,791	764,266	764,266	438	407
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2022	0	315	2,586,804	3,408,595	2,405,728	3,169,993	581	540
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2023	0	315	2,586,804	5,995,399	2,405,728	5,575,721	580	539
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2024	0	315	2,586,814	8,582,212	2,405,737	7,981,458	580	539
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2025	0	315	2,586,804	11,169,017	2,405,728	10,387,185	580	539
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2026	0	315	2,574,575	13,743,591	2,394,354	12,781,540	575	535
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2027	0	267	2,494,935	16,238,526	2,320,290	15,101,829	509	473
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2028	0	267	2,494,945	18,733,471	2,320,298	17,422,128	508	472
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2029	0	267	2,494,954	21,228,425	2,320,308	19,742,435	508	472
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2030	0	267	2,494,945	23,723,370	2,320,299	22,062,734	508	472
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2031	0	267	2,482,298	26,205,667	2,308,537	24,371,271	506	470
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2032	0	266	2,448,513	28,654,181	2,277,117	26,648,388	501	466
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2033	0	266	2,448,522	31,102,703	2,277,125	28,925,513	502	467
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2034	0	266	2,448,522	33,551,225	2,277,125	31,202,639	501	466
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2035	0	266	2,448,531	35,999,756	2,277,134	33,479,773	501	466
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2036	0	266	1,678,100	37,677,856	1,560,633	35,040,406	478	445
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2037	0	184	121,485	37,799,341	112,981	35,153,387	106	98
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2038	0	184	121,485	37,920,825	112,981	35,266,368	106	99
Non-residential	8	Non-residential Small Business Improvement Enhanced	SBI2	2039	0	184	102,716	38,023,542	95,526	35,361,894	97	90

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