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NC - Non-Residential Prescriptive Enhanced Program			2022	2023	2022-2023
Category	Measure	Indicator	Total	Total	Total
	Door Gasket for Freezers and Coolers	Net-To-Gross Rate	N/A	N/A	N/A
	Door Gasket for Freezers and Coolers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Door Gasket for Freezers and Coolers	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Door Gasket for Freezers and Coolers	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Door Gasket for Freezers and Coolers	Total Gross Demand Reduction (kW)	-	-	0.0
	Door Gasket for Freezers and Coolers	Realization Rate	-	-	N/A
	Door Gasket for Freezers and Coolers	Net-To-Gross Rate	-	-	N/A
	Door Gasket for Freezers and Coolers	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Door Gasket for Freezers and Coolers	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Door Gasket for Freezers and Coolers	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Duct Test and Seal	Total Participants	0	10	10
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	5,407	5,407
	Duct Test and Seal	Realization Rate	N/A	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	90%	90%
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	4,866	4,866
	Duct Test and Seal	Avg. Gross Savings per Participant (kWh/yr)	N/A	541	541
	Duct Test and Seal	Avg. Net Savings per Participant (kWh/yr)	N/A	487	487
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	1.8	1.8
	Duct Test and Seal	Realization Rate	N/A	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	90%	90%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	1.7	1.7
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.2	0.2
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	N/A	0.2	0.2
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	-	5.5	5.5
	Duct Test and Seal	Realization Rate	-	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	-	90%	90%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	-	4.9	4.9
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	-	0.5	0.5
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	-	0.5	0.5
	Food Seal Wrapper	Total Participants	0	0	0
Installed kWh/year	Food Seal Wrapper	Total Gross Energy Savings (kWh/yr)	0	0	0
	Food Seal Wrapper	Realization Rate	N/A	N/A	N/A
	Food Seal Wrapper	Net-To-Gross Rate	N/A	N/A	N/A
	Food Seal Wrapper	Net Adjusted Savings (kWh/yr)	0	0	0
	Food Seal Wrapper	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Food Seal Wrapper	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Food Seal Wrapper	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Food Seal Wrapper	Realization Rate	N/A	N/A	N/A
	Food Seal Wrapper	Net-To-Gross Rate	N/A	N/A	N/A
	Food Seal Wrapper	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Food Seal Wrapper	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Food Seal Wrapper	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Food Seal Wrapper	Total Gross Demand Reduction (kW)	-	-	0.0
	Food Seal Wrapper	Realization Rate	-	-	N/A
	Food Seal Wrapper	Net-To-Gross Rate	-	-	N/A
	Food Seal Wrapper	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Food Seal Wrapper	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Food Seal Wrapper	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Guest Room Energy Management	Total Participants	0	0	0
Installed kWh/year	Guest Room Energy Management	Total Gross Energy Savings (kWh/yr)	0	0	0
	Guest Room Energy Management	Realization Rate	N/A	N/A	N/A
	Guest Room Energy Management	Net-To-Gross Rate	N/A	N/A	N/A

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NC - Non-Residential Prescriptive Enhanced Program			2022	2023	2022-2023
Category	Measure	Indicator	Total	Total	Total
	Guest Room Energy Management	Net Adjusted Savings (kWh/yr)	0	0	0
	Guest Room Energy Management	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Guest Room Energy Management	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Guest Room Energy Management	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Guest Room Energy Management	Realization Rate	N/A	N/A	N/A
	Guest Room Energy Management	Net-To-Gross Rate	N/A	N/A	N/A
	Guest Room Energy Management	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Guest Room Energy Management	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Guest Room Energy Management	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Guest Room Energy Management	Total Gross Demand Reduction (kW)	-	-	0.0
	Guest Room Energy Management	Realization Rate	-	-	N/A
	Guest Room Energy Management	Net-To-Gross Rate	-	-	N/A
	Guest Room Energy Management	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Guest Room Energy Management	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Guest Room Energy Management	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Low/No Sweat door Film	Total Participants	0	0	0
Installed kWh/year	Low/No Sweat door Film	Total Gross Energy Savings (kWh/yr)	0	0	0
	Low/No Sweat door Film	Realization Rate	N/A	N/A	N/A
	Low/No Sweat door Film	Net-To-Gross Rate	N/A	N/A	N/A
	Low/No Sweat door Film	Net Adjusted Savings (kWh/yr)	0	0	0
	Low/No Sweat door Film	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Low/No Sweat door Film	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Low/No Sweat door Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Low/No Sweat door Film	Realization Rate	N/A	N/A	N/A
	Low/No Sweat door Film	Net-To-Gross Rate	N/A	N/A	N/A
	Low/No Sweat door Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Low/No Sweat door Film	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Low/No Sweat door Film	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Low/No Sweat door Film	Total Gross Demand Reduction (kW)	-	-	0.0
	Low/No Sweat door Film	Realization Rate	-	-	N/A
	Low/No Sweat door Film	Net-To-Gross Rate	-	-	N/A
	Low/No Sweat door Film	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Low/No Sweat door Film	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Low/No Sweat door Film	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Pool Spa Cover	Total Participants	0	0	0
Installed kWh/year	Pool Spa Cover	Total Gross Energy Savings (kWh/yr)	0	0	0
	Pool Spa Cover	Realization Rate	N/A	N/A	N/A
	Pool Spa Cover	Net-To-Gross Rate	N/A	N/A	N/A
	Pool Spa Cover	Net Adjusted Savings (kWh/yr)	0	0	0
	Pool Spa Cover	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Pool Spa Cover	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Pool Spa Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Pool Spa Cover	Realization Rate	N/A	N/A	N/A
	Pool Spa Cover	Net-To-Gross Rate	N/A	N/A	N/A
	Pool Spa Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Pool Spa Cover	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Pool Spa Cover	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Pool Spa Cover	Total Gross Demand Reduction (kW)	-	-	0.0
	Pool Spa Cover	Realization Rate	-	-	N/A
	Pool Spa Cover	Net-To-Gross Rate	-	-	N/A
	Pool Spa Cover	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Pool Spa Cover	Avg. Gross Demand Reduction per Participant (kW)	-	-	-

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NC - Non-Residential Prescriptive Enhanced Program			2022	2023	2022-2023
Category	Measure	Indicator	Total	Total	Total
	Pool Spa Cover	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Refrigeration Condenser Coil Cleaning	Total Participants	0	0	0
Installed kWh/year	Refrigeration Condenser Coil Cleaning	Total Gross Energy Savings (kWh/yr)	0	0	0
	Refrigeration Condenser Coil Cleaning	Realization Rate	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Net-To-Gross Rate	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Net Adjusted Savings (kWh/yr)	0	0	0
	Refrigeration Condenser Coil Cleaning	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Condenser Coil Cleaning	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Refrigeration Condenser Coil Cleaning	Realization Rate	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Net-To-Gross Rate	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Refrigeration Condenser Coil Cleaning	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Refrigeration Condenser Coil Cleaning	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Condenser Coil Cleaning	Total Gross Demand Reduction (kW)	-	-	0.0
	Refrigeration Condenser Coil Cleaning	Realization Rate	-	-	N/A
	Refrigeration Condenser Coil Cleaning	Net-To-Gross Rate	-	-	N/A
	Refrigeration Condenser Coil Cleaning	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Refrigeration Condenser Coil Cleaning	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Refrigeration Condenser Coil Cleaning	Avg. Net Demand Reduction per Participant (kW)	-	-	-
	Strip Curtains in Freezers and Coolers	Total Participants	0	0	0
Installed kWh/year	Strip Curtains in Freezers and Coolers	Total Gross Energy Savings (kWh/yr)	0	0	0
	Strip Curtains in Freezers and Coolers	Realization Rate	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Net-To-Gross Rate	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Net Adjusted Savings (kWh/yr)	0	0	0
	Strip Curtains in Freezers and Coolers	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A
Installed Summer peak kW	Strip Curtains in Freezers and Coolers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0
	Strip Curtains in Freezers and Coolers	Realization Rate	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Net-To-Gross Rate	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0
	Strip Curtains in Freezers and Coolers	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A
	Strip Curtains in Freezers and Coolers	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A
Installed Winter peak kW	Strip Curtains in Freezers and Coolers	Total Gross Demand Reduction (kW)	-	-	0.0
	Strip Curtains in Freezers and Coolers	Realization Rate	-	-	N/A
	Strip Curtains in Freezers and Coolers	Net-To-Gross Rate	-	-	N/A
	Strip Curtains in Freezers and Coolers	Net Adjusted Demand Reduction (kW)	-	-	0.0
	Strip Curtains in Freezers and Coolers	Avg. Gross Demand Reduction per Participant (kW)	-	-	-
	Strip Curtains in Freezers and Coolers	Avg. Net Demand Reduction per Participant (kW)	-	-	-

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K.13 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase VII) 2019–2023

K.13.1 2019–2023 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase VII) Annual Indicator Tables

NC - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2022	2023	2019-2023
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)						
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$30,873	$33,730	$43,699	$34,208	$142,510
Costs ($)		Planned	$0	$122,049	$116,478	$121,715	$116,189	$476,431
Costs ($)		Variance	$0	-$91,176	-$82,748	-$78,016	-$81,981	-$333,921
		Annual % of Planned	N/A	25%	29%	36%	29%	30%
Participants[1]		Total (Gross)	0	0	1	1	0	2
		Planned	0	42	42	42	42	168
		Variance	0	-42	-41	-41	-42	-166
		Annual % of Planned (Gross)	N/A	0%	2%	2%	0%	1%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	2,946	139,559	0	142,505
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	2,946	139,559	0	142,505
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%	N/A	70%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-884	-41,868	0	-42,751
		Net Adjusted Savings (kWh/yr)	0	0	2,062	97,691	0	99,753
		Planned Net Savings (kWh/yr)	0	522,168	522,168	522,168	522,168	2,088,674
		Annual % Toward Planned Net Savings	N/A	0%	0.39%	18.7%	0%	4.78%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	2,946	139,559	N/A	71,252
		Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	2,062	97,691	N/A	49,877
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.5	17.6	0.0	18.1
		Realization Rate Weighted by Measure	N/A	N/A	100%	100%	N/A	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	0.5	17.6	0.0	18.1
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	70%	70%	N/A	70%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-0.2	-5.3	0.0	-5.4
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	12.3	0.0	12.7
		Planned Net Savings (kW)	0.0	74.5	74.5	74.5	74.5	298.1
		Annual % Toward Planned Net Reduction	N/A	0%	0.47%	16.5%	0%	4.25%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.5	17.6	N/A	9.1
		Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.4	12.3	N/A	6.3
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	0.5	0.0	0.0	0.5
		Realization Rate Weighted by Measure	-	-	100%	N/A	N/A	100%
		Realization Rate Adjustment (kW)	-	-	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	0.5	0.0	0.0	0.5
		Net-To-Gross Rate Weighted by Measure	-	-	70%	N/A	N/A	70%
		Net-To-Gross Adjustment (kW)	-	-	-0.2	0.0	0.0	-0.2
		Net Adjusted Demand Reduction (kW)	-	-	0.4	0.0	0.0	0.4
		Planned Net Savings (kW)	0.0	0.0	98.9	98.9	98.9	296.8
		Annual % Toward Planned Net Reduction	-	-	0.36%	0%	0%	0.12%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	0.5	0.0	N/A	0.3
		Avg. Net Demand Reduction per Participant (kW)	-	-	0.4	0.0	N/A	0.2
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	$3,179	$2,502	$3,658	$3,658
		$Admin. per kWh/year (Gross)	N/A	N/A	$1	$0.04	$0.05	$0.05
		$Admin. per kW (Gross)	N/A	N/A	$6,347	$276	$404	$404
		$EM&V per $Total	N/A	14.9%	18.0%	16.8%	17.0%	17.0%
		$Rebate per Participant (Gross)	N/A	N/A	$759	$6,587	$6,587	$6,587

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K.13.2 2019–2023 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase VII) Measure Indicator Tables

NC - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Chiller Upgrade	Total Participants	0	0	0	0	0	0
Installed kWh/year	Chiller Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Chiller Upgrade	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Chiller Upgrade	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Chiller Upgrade	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Chiller Upgrade	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Chiller Upgrade	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Chiller Upgrade	Realization Rate	-	-	-	-	-	N/A
	Chiller Upgrade	Net-To-Gross Rate	-	-	-	-	-	N/A
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Chiller Upgrade	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Chiller Upgrade	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Economizers	Total Participants	0	0	1	1	0	2
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	0	1,025	11,340	0	12,365
	Economizers	Realization Rate	N/A	N/A	100%	100%	N/A	100%
	Economizers	Net-To-Gross Rate	N/A	N/A	70%	70%	N/A	70%
	Economizers	Net Adjusted Savings (kWh/yr)	0	0	718	7,938	0	8,656
	Economizers	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	1,025	11,340	N/A	6,183
	Economizers	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	718	7,938	N/A	4,328
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.0	0.0	N/A	0.0
	Economizers	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.0	0.0	N/A	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0
	Economizers	Realization Rate	-	-	N/A	N/A	N/A	N/A
	Economizers	Net-To-Gross Rate	-	-	N/A	N/A	N/A	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.0	0.0	N/A	-
	Economizers	Avg. Net Demand Reduction per Participant (kW)	-	-	0.0	0.0	N/A	-
	Heat Pump Upgrade	Total Participants	0	0	1	0	0	1
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	0	0	1,921	0	0	1,921
	Heat Pump Upgrade	Realization Rate	N/A	N/A	100%	N/A	N/A	100%
	Heat Pump Upgrade	Net-To-Gross Rate	N/A	N/A	70%	N/A	N/A	70%
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	1,345	0	0	1,345
	Heat Pump Upgrade	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	1,921	N/A	N/A	1,921
	Heat Pump Upgrade	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	1,345	N/A	N/A	1,345
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	0.0	0.0	0.5	0.0	0.0	0.5
	Heat Pump Upgrade	Realization Rate	N/A	N/A	100%	N/A	N/A	100%
	Heat Pump Upgrade	Net-To-Gross Rate	N/A	N/A	70%	N/A	N/A	70%
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.4	0.0	0.0	0.4
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.5	N/A	N/A	0.5
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.4	N/A	N/A	0.4
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	-	-	0.5	0.0	0.0	0.5

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NC - Non-Residential Heating and Cooling Efficiency Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Heat Pump Upgrade	Realization Rate	-	-	100%	N/A	N/A	100%
	Heat Pump Upgrade	Net-To-Gross Rate	-	-	70%	N/A	N/A	70%
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	-	-	0.4	0.0	0.0	0.4
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.5	N/A	N/A	0.5
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	-	-	0.4	N/A	N/A	0.4
	Unitary AC	Total Participants	0	0	0	1	0	1
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	0	0	65,905	0	65,905
	Unitary AC	Realization Rate	N/A	N/A	N/A	100%	N/A	100%
	Unitary AC	Net-To-Gross Rate	N/A	N/A	N/A	70%	N/A	70%
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	0	0	46,133	0	46,133
	Unitary AC	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	65,905	N/A	65,905
	Unitary AC	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	46,133	N/A	46,133
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	17.6	0.0	17.6
	Unitary AC	Realization Rate	N/A	N/A	N/A	100%	N/A	100%
	Unitary AC	Net-To-Gross Rate	N/A	N/A	N/A	70%	N/A	70%
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	12.3	0.0	12.3
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	17.6	N/A	17.6
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	12.3	N/A	12.3
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	-	-	-	0.0	0.0	0.0
	Unitary AC	Realization Rate	-	-	-	N/A	N/A	N/A
	Unitary AC	Net-To-Gross Rate	-	-	-	N/A	N/A	N/A
	Unitary AC	Net Adjusted Demand Reduction (kW)	-	-	-	0.0	0.0	0.0
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	0.0	N/A	-
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	-	-	-	0.0	N/A	-
	Variable Frequency Drives (VFD)	Total Participants	0	0	0	1	0	1
Installed kWh/year	Variable Frequency Drives (VFD)	Total Gross Energy Savings (kWh/yr)	0	0	0	62,314	0	62,314
	Variable Frequency Drives (VFD)	Realization Rate	N/A	N/A	N/A	100%	N/A	100%
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	N/A	N/A	N/A	70%	N/A	70%
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	0	0	0	43,620	0	43,620
	Variable Frequency Drives (VFD)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	62,314	N/A	62,314
	Variable Frequency Drives (VFD)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	43,620	N/A	43,620
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
	Variable Frequency Drives (VFD)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	N/A	0.0
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	N/A	0.0
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	-	-	-	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Realization Rate	-	-	-	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	-	-	-	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	-	-	-	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	0.0	N/A	-
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	0.0	N/A	-

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K.13.3 2023 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase VII) Monthly Indicator Tables

NC - Non-Residential Heating and Cooling Efficiency Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$295	$29	$165	$182	$204	$185	$179	$181	$167	$188	$202	$335	$2,311
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$4,367	$425	$2,437	$2,694	$3,013	$2,734	$2,654	$2,683	$2,470	$2,789	$2,989	$4,955	$34,208
Costs ($)		Planned	$7,746	$7,746	$7,746	$7,746	$7,746	$7,746	$11,619	$11,619	$11,619	$11,619	$11,619	$11,619	$116,189
Costs ($)		Variance	-$3,379	-$7,321	-$5,309	-$5,052	-$4,733	-$5,012	-$8,965	-$8,936	-$9,149	-$8,830	-$8,630	-$6,664	-$81,981
		Annual % of Planned	3.8%	4.1%	6.2%	8.5%	11.1%	13.5%	15.8%	18.1%	20.2%	22.6%	25.2%	29.4%	29%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned	9	3	3	3	3	3	3	3	3	3	3	3	42
		Variance	-9	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-42
		Annual % of Planned (Gross)	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
		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)	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
		Annual % Toward Planned Net Savings	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
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	16.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	74.5
		Annual % Toward Planned Net Reduction	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
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	21.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	98.9
		Annual % Toward Planned Net Reduction	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
		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
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$2,649	$2,664	$2,746	$2,837	$2,939	$3,031	$3,121	$3,212	$3,295	$3,389	$3,490	$3,658	$3,658
		$Admin. per kWh/year (Gross)	$0.04	$0.04	$0.04	$0.04	$0.04	$0.04	$0.04	$0.05	$0.05	$0.05	$0.05	$0.05	$0.05
		$Admin. per kW (Gross)	$293	$294	$303	$313	$325	$335	$345	$355	$364	$374	$386	$404	$404
		$EM&V per $Total	16.5%	16.7%	16.7%	17.0%	17.3%	17.4%	17.5%	17.5%	17.5%	17.5%	17.4%	17.0%	17.0%
		$Rebate per Participant (Gross)	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587	$6,587

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K.14 North Carolina Non-Residential Lighting Systems & Controls Program (Phase VII) 2019-2023

K.14.1 2019–2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase VII) Annual Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program			2019	2020	2021	2022	2023	2019-2023
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)						
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$160,883	$92,989	$209,012	$66,851	$529,735
Costs ($)		Planned	$0	$184,522	$136,425	$141,758	$3,019	$465,724
Costs ($)		Variance	$0	-$23,639	-$43,436	$67,255	$63,832	$64,011
		Annual % of Planned	N/A	87%	68%	147%	2214%	114%
Participants[1]		Total (Gross)	0	9	5	12	3	29
		Planned	0	40	22	22	22	106
		Variance	0	-31	-17	-10	-19	-77
		Annual % of Planned (Gross)	N/A	23%	23%	55%	14%	27%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	111,813	189,982	1,478,591	346,305	2,126,691
		Realization Rate Weighted by Measure	N/A	124%	124%	124%	105%	121%
		Realization Rate Adjustment (kWh/yr)	0	26,835	45,596	354,862	17,315	444,608
		Realization Rate Adjusted Savings (kWh/yr)	0	138,648	235,578	1,833,452	363,620	2,571,299
		Net-To-Gross Rate Weighted by Measure	N/A	45%	45%	45%	45%	45%
		Net-To-Gross Adjustment (kWh/yr)	0	-76,257	-129,568	-1,008,399	-199,991	-1,414,214
		Net Adjusted Savings (kWh/yr)	0	62,392	106,010	825,054	163,629	1,157,084
		Planned Net Savings (kWh/yr)	0	840,169	425,897	425,897	425,897	2,117,859
		Annual % Toward Planned Net Savings	N/A	7.43%	24.9%	193.7%	38.4%	54.6%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	12,424	37,996	123,216	115,435	73,334
		Avg. Net Savings per Participant (kWh/yr)	N/A	6,932	21,202	68,754	54,543	39,899
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	5.3	41.2	323.1	78.7	448.3
		Realization Rate Weighted by Measure	N/A	102%	102%	102%	102%	102%
		Realization Rate Adjustment (kW)	0.0	0.1	0.8	6.5	1.6	9.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	5.4	42.0	329.5	80.2	457.3
		Net-To-Gross Rate Weighted by Measure	N/A	45%	45%	45%	45%	45%
		Net-To-Gross Adjustment (kW)	0.0	-2.9	-22.7	-177.7	-43.3	-246.6
		Net Adjusted Demand Reduction (kW)	0.0	2.5	18.9	148.3	36.1	205.8
		Planned Net Savings (kW)	0.0	233.7	91.9	91.9	91.9	509.2
		Annual % Toward Planned Net Reduction	N/A	1.05%	20.6%	161.4%	39.3%	40.4%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	0.6	8.2	26.9	26.2	15.5
		Avg. Net Demand Reduction per Participant (kW)	N/A	0.3	3.8	12.4	12.0	7.1
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	17.3	107.8	33.1	158.2
		Realization Rate Weighted by Measure	-	-	99%	99%	99%	99%
		Realization Rate Adjustment (kW)	-	-	-0.2	-1.1	-0.3	-1.6
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	17.2	106.7	32.7	156.6
		Net-To-Gross Rate Weighted by Measure	-	-	45%	45%	45%	45%
		Net-To-Gross Adjustment (kW)	-	-	-9.5	-59.3	-18.2	-87.0
		Net Adjusted Demand Reduction (kW)	-	-	7.7	48.0	14.7	70.5
		Planned Net Savings (kW)	0.0	0.0	84.8	84.8	84.8	254.5
		Annual % Toward Planned Net Reduction	-	-	9.10%	56.6%	17.4%	27.7%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	3.5	9.0	11.0	7.9
		Avg. Net Demand Reduction per Participant (kW)	-	-	1.5	4.0	4.9	3.5
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$851	$858	$798	$871	$871
		$Admin. per kWh/year (Gross)	N/A	$0.07	$0.04	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	N/A	$1,434	$258	$56	$56	$56
		$EM&V per $Total	N/A	3.3%	5.1%	5.6%	6.6%	6.6%
		$Rebate per Participant (Gross)	N/A	$10,189	$8,063	$9,200	$9,592	$9,592

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K.14.2 2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase VII) Monthly Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$1,433	$2,647	$322	$13	$24	$25	$34	$20	$0	$0	$0	$0	$4,517
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$21,214	$39,170	$4,760	$189	$348	$365	$508	$298	$0	$0	$0	$0	$66,851
Costs ($)		Planned	$201	$201	$201	$201	$201	$201	$302	$302	$302	$302	$302	$302	$3,019
Costs ($)		Variance	$21,013	$38,969	$4,558	-$12	$147	$163	$206	-$4	-$302	-$302	-$302	-$302	$63,832
		Annual % of Planned	702.7%	2000.2%	2157.8%	2164.1%	2175.6%	2187.7%	2204.5%	2214.4%	2214.4%	2214.4%	2214.4%	2214.4%	2214%
Participants[1]		Total (Gross)	1	2	0	0	0	0	0	0	0	0	0	0	3
		Planned	11	1	1	1	1	1	1	1	1	1	1	1	22
		Variance	-10	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-19
		Annual % of Planned (Gross)	5%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	76,472	269,833	0	0	0	0	0	0	0	0	0	0	346,305
		Realization Rate Weighted by Measure	105%	105%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	105%
		Realization Rate Adjustment (kWh/yr)	3,824	13,492	0	0	0	0	0	0	0	0	0	0	17,315
		Realization Rate Adjusted Savings (kWh/yr)	80,296	283,325	0	0	0	0	0	0	0	0	0	0	363,620
		Net-To-Gross Rate Weighted by Measure	45%	45%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45%
		Net-To-Gross Adjustment (kWh/yr)	-44,163	-155,829	0	0	0	0	0	0	0	0	0	0	-199,991
		Net Adjusted Savings (kWh/yr)	36,133	127,496	0	0	0	0	0	0	0	0	0	0	163,629
		Planned Net Savings (kWh/yr)	212,848	19,359	19,359	19,359	19,359	19,359	19,359	19,359	19,359	19,359	19,359	19,359	425,897
		Annual % Toward Planned Net Savings	8.48%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%	38.4%
		Avg. Gross Savings per Participant (kWh/yr)	76,472	134,916	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	115,435
		Avg. Net Savings per Participant (kWh/yr)	36,133	63,748	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	54,543
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	19.8	58.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.7
		Realization Rate Weighted by Measure	102%	102%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	102%
		Realization Rate Adjustment (kW)	0.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
		Realization Rate Adjusted Gross Demand Reduction (kW)	20.2	60.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.2
		Net-To-Gross Rate Weighted by Measure	45%	45%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45%
		Net-To-Gross Adjustment (kW)	-10.9	-32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-43.3
		Net Adjusted Demand Reduction (kW)	9.1	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1
		Planned Net Savings (kW)	45.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	91.9
		Annual % Toward Planned Net Reduction	9.89%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%	39.3%
		Avg. Gross Demand Reduction per Participant (kW)	19.8	29.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	26.2
		Avg. Net Demand Reduction per Participant (kW)	9.1	13.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	8.7	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.1
		Realization Rate Weighted by Measure	99%	99%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	99%
		Realization Rate Adjustment (kW)	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
		Realization Rate Adjusted Gross Demand Reduction (kW)	8.6	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7
		Net-To-Gross Rate Weighted by Measure	45%	45%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45%
		Net-To-Gross Adjustment (kW)	-4.8	-13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-18.2
		Net Adjusted Demand Reduction (kW)	3.9	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
		Planned Net Savings (kW)	42.4	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	84.8
		Annual % Toward Planned Net Reduction	4.58%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%	17.4%
		Avg. Gross Demand Reduction per Participant (kW)	8.7	12.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11.0
		Avg. Net Demand Reduction per Participant (kW)	3.9	5.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.9
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$821	$856	$867	$868	$868	$869	$870	$871	$871	$871	$871	$871	$871
		$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
		$Admin. per kW (Gross)	$57	$55	$56	$56	$56	$56	$56	$56	$56	$56	$56	$56	$56
		$EM&V per $Total	6.0%	6.2%	6.3%	6.3%	6.4%	6.4%	6.5%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%
		$Rebate per Participant (Gross)	$9,293	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592	$9,592

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K.14.3 2019–2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase VII) Measure Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	LED Lamps	Total Participants	0	9	5	12	3	29
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	111,813	178,358	1,390,516	338,497	2,019,185
	LED Lamps	Realization Rate	N/A	124%	124%	124%	105%	121%
	LED Lamps	Net-To-Gross Rate	N/A	45%	45%	45%	45%	45%
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	62,392	99,524	775,908	159,940	1,097,764
	LED Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	12,424	35,672	115,876	112,832	69,627
	LED Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	6,932	19,905	64,659	53,313	37,854
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	5.3	39.9	311.9	77.5	434.7
	LED Lamps	Realization Rate	N/A	102%	102%	102%	102%	102%
	LED Lamps	Net-To-Gross Rate	N/A	45%	45%	45%	45%	45%
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	2.5	18.3	143.2	35.6	199.5
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.6	8.0	26.0	25.8	15.0
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	0.3	3.7	11.9	11.9	6.9
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	-	-	16.8	105.2	32.6	154.6
	LED Lamps	Realization Rate	-	-	99%	99%	99%	99%
	LED Lamps	Net-To-Gross Rate	-	-	45%	45%	45%	45%
	LED Lamps	Net Adjusted Demand Reduction (kW)	-	-	7.7	48.3	15.0	71.0
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	3.4	8.8	10.9	7.7
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	1.5	4.0	5.0	3.5
	Occupancy Sensors	Total Participants	0	0	1	2	1	4
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	0	11,624	88,074	7,808	107,506
	Occupancy Sensors	Realization Rate	N/A	N/A	124%	124%	105%	123%
	Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	45%	45%	45%	45%
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	6,486	49,146	3,689	59,321
	Occupancy Sensors	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	11,624	44,037	7,808	26,876
	Occupancy Sensors	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	6,486	24,573	3,689	14,830
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	1.3	11.2	1.2	13.6
	Occupancy Sensors	Realization Rate	N/A	N/A	102%	102%	102%	102%
	Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	45%	45%	45%	45%
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.6	5.1	0.5	6.2
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	1.3	5.6	1.2	3.4
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.6	2.6	0.5	1.6
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	-	-	0.5	2.6	0.5	3.6
	Occupancy Sensors	Realization Rate	-	-	99%	99%	99%	99%
	Occupancy Sensors	Net-To-Gross Rate	-	-	45%	45%	45%	45%
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	-	-	0.2	1.2	0.2	1.7
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.5	1.3	0.5	0.9
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	-	-	0.2	0.6	0.2	0.4
	T8/T5 Lamps	Total Participants	0	1	0	0	0	1
Installed kWh/year	T8/T5 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	T8/T5 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	T8/T5 Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	0	N/A	N/A	N/A	0
	T8/T5 Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	0	N/A	N/A	N/A	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
	T8/T5 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0
	T8/T5 Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	0.0	N/A	N/A	N/A	0.0
Installed Winter peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0

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NC - Non-Residential Lighting Systems & Controls Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	T8/T5 Lamps	Realization Rate	-	-	-	-	-	N/A
	T8/T5 Lamps	Net-To-Gross Rate	-	-	-	-	-	N/A
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	T8/T5 Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	T8/T5 Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-

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K.15 North Carolina Non-Residential Lighting Systems & Controls Program (Phase X) 2022-2023

K.15.1 2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase X) Monthly Indicator Tables

NC - Non-Residential Lighting Systems and Controls Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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	$338	$60	$750	$380	$1,212	$4,494	$580	$7,815
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$0	$0	$0	$0	$5,004	$890	$11,099	$5,629	$17,936	$66,516	$8,587	$115,660
Costs ($)		Planned	$0	$0	$0	$0	$0	$39,835	$59,752	$59,752	$59,752	$59,752	$59,752	$59,752	$398,345
Costs ($)		Variance	$0	$0	$0	$0	$0	-$34,830	-$58,862	-$48,653	-$54,123	-$41,816	$6,764	-$51,165	-$282,685
		Annual % of Planned	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.5%	4.3%	5.7%	10.2%	26.9%	29.0%	29%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	3	1	1	5
		Planned	14	4	4	4	4	4	4	4	4	4	4	4	58
		Variance	-14	-4	-4	-4	-4	-4	-4	-4	-4	-1	-3	-3	-53
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	7%	9%	9%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	211,668	428,156	8,212	648,036
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%
		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	211,668	428,156	8,212	648,036
		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%	90%	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	-21,167	-42,816	-821	-64,804
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	190,502	385,340	7,391	583,232
		Planned Net Savings (kWh/yr)	969,205	276,916	276,916	276,916	276,916	276,916	276,916	276,916	276,916	276,916	276,916	276,916	4,015,276
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	4.74%	14.3%	14.5%	14.5%
		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	70,556	428,156	8,212	129,607
		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	63,501	385,340	7,391	116,646
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	41.9	79.6	1.8	123.3
		Realization Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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
		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	41.9	79.6	1.8	123.3
		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%	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	-4.2	-8.0	-0.2	-12.3
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.7	71.6	1.6	110.9
		Planned Net Savings (kW)	212.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	881.1
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	0%	4.28%	12.4%	12.6%	12.6%
		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	14.0	79.6	1.8	24.7
		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	12.6	71.6	1.6	22.2
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	22.4	35.8	0.7	59.0
		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)	-	-	-	-	-	-	-	-	-	22.4	35.8	0.7	59.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	90%	90%	90%	90%
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	-2.2	-3.6	-0.1	-5.9
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	20.2	32.2	0.7	53.1
		Planned Net Savings (kW)	190.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	787.2
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	-	2.56%	6.66%	6.74%	6.74%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	7.5	35.8	0.7	11.8
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	6.7	32.2	0.7	10.6
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$913	$1,809	$1,563	$1,563
		$Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$65	$60	$63	$63
		$EM&V per $Total	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	0.0%	2.6%	3.9%	2.4%	3.4%	3.4%
		$Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$3,463	$16,706	$13,685	$13,685

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K.15.2 2022-2023 Virginia Non-Residential Lighting Systems & Controls Program (Phase X) Measure Indicator Tables

VA - Non-Residential Lighting Systems and Controls Program			2022	2023	2022-2023
Category	Measure	Indicator	Total	Total	Total
	LED LAMPS	Total Participants	0	259	259
Installed kWh/year	LED LAMPS	Total Gross Energy Savings (kWh/yr)	0	20,569,572	20,569,572
	LED LAMPS	Realization Rate	N/A	100%	100%
	LED LAMPS	Net-To-Gross Rate	N/A	90%	90%
	LED LAMPS	Net Adjusted Savings (kWh/yr)	0	18,512,615	18,512,615
	LED LAMPS	Avg. Gross Savings per Participant (kWh/yr)	N/A	79,419	79,419
	LED LAMPS	Avg. Net Savings per Participant (kWh/yr)	N/A	71,477	71,477
Installed Summer peak kW	LED LAMPS	Total Gross Demand Reduction (kW)	0.0	3,454.8	3,454.8
	LED LAMPS	Realization Rate	N/A	100%	100%
	LED LAMPS	Net-To-Gross Rate	N/A	90%	90%
	LED LAMPS	Net Adjusted Demand Reduction (kW)	0.0	3,109.3	3,109.3
	LED LAMPS	Avg. Gross Demand Reduction per Participant (kW)	N/A	13.3	13.3
	LED LAMPS	Avg. Net Demand Reduction per Participant (kW)	N/A	12.0	12.0
Installed Winter peak kW	LED LAMPS	Total Gross Demand Reduction (kW)	-	2,135.4	2,135.4
	LED LAMPS	Realization Rate	-	100%	100%
	LED LAMPS	Net-To-Gross Rate	-	90%	90%
	LED LAMPS	Net Adjusted Demand Reduction (kW)	-	1,921.8	1,921.8
	LED LAMPS	Avg. Gross Demand Reduction per Participant (kW)	-	8.2	8.2
	LED LAMPS	Avg. Net Demand Reduction per Participant (kW)	-	7.4	7.4
	OCCUPANCY SENSORS	Total Participants	0	34	34
Installed kWh/year	OCCUPANCY SENSORS	Total Gross Energy Savings (kWh/yr)	0	261,205	261,205
	OCCUPANCY SENSORS	Realization Rate	N/A	100%	100%
	OCCUPANCY SENSORS	Net-To-Gross Rate	N/A	90%	90%
	OCCUPANCY SENSORS	Net Adjusted Savings (kWh/yr)	0	235,085	235,085
	OCCUPANCY SENSORS	Avg. Gross Savings per Participant (kWh/yr)	N/A	7,683	7,683
	OCCUPANCY SENSORS	Avg. Net Savings per Participant (kWh/yr)	N/A	6,914	6,914
Installed Summer peak kW	OCCUPANCY SENSORS	Total Gross Demand Reduction (kW)	0.0	23.1	23.1
	OCCUPANCY SENSORS	Realization Rate	N/A	100%	100%
	OCCUPANCY SENSORS	Net-To-Gross Rate	N/A	90%	90%
	OCCUPANCY SENSORS	Net Adjusted Demand Reduction (kW)	0.0	20.8	20.8
	OCCUPANCY SENSORS	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.7	0.7
	OCCUPANCY SENSORS	Avg. Net Demand Reduction per Participant (kW)	N/A	0.6	0.6
Installed Winter peak kW	OCCUPANCY SENSORS	Total Gross Demand Reduction (kW)	-	18.1	18.1
	OCCUPANCY SENSORS	Realization Rate	-	100%	100%
	OCCUPANCY SENSORS	Net-To-Gross Rate	-	90%	90%
	OCCUPANCY SENSORS	Net Adjusted Demand Reduction (kW)	-	16.3	16.3
	OCCUPANCY SENSORS	Avg. Gross Demand Reduction per Participant (kW)	-	0.5	0.5
	OCCUPANCY SENSORS	Avg. Net Demand Reduction per Participant (kW)	-	0.5	0.5

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K.16 North Carolina Non-Residential Small Manufacturing Program (Phase VII) 2019–2023

K.16.1 2023 North Carolina Non-Residential Small Manufacturing Program (Phase VII) Monthly Indicator Tables

NC - Non-Residential Small Manufacturing Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$96	$93	$2,084	$117	$137	$396	$140	$122	$99	$120	$109	$1,652	$5,164
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$1,420	$1,370	$30,839	$1,726	$2,031	$5,864	$2,078	$1,804	$1,460	$1,776	$1,611	$24,451	$76,431
Costs ($)		Planned	$5,253	$5,253	$5,253	$5,253	$5,253	$5,253	$7,880	$7,880	$7,880	$7,880	$7,880	$7,880	$78,798
Costs ($)		Variance	-$3,833	-$3,883	$25,586	-$3,527	-$3,222	$610	-$5,801	-$6,076	-$6,420	-$6,104	-$6,269	$16,572	-$2,366
		Annual % of Planned	1.8%	3.5%	42.7%	44.9%	47.4%	54.9%	57.5%	59.8%	61.7%	63.9%	66.0%	97.0%	97%
Participants[1]		Total (Gross)	0	0	1	0	0	1	0	0	0	0	0	2	4
		Planned	4	0	0	0	0	0	0	0	0	0	0	0	4
		Variance	-4	0	1	0	0	1	0	0	0	0	0	2	0
		Annual % of Planned (Gross)	0%	0%	25%	25%	25%	50%	50%	50%	50%	50%	50%	100%	100%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	343,025	0	0	5,852	0	0	0	0	0	71,065	419,942
		Realization Rate Weighted by Measure	N/A	N/A	100%	N/A	N/A	100%	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
		Realization Rate Adjusted Savings (kWh/yr)	0	0	343,025	0	0	5,852	0	0	0	0	0	71,065	419,942
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	N/A	N/A	90%	N/A	N/A	N/A	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-34,303	0	0	-585	0	0	0	0	0	-7,106	-41,994
		Net Adjusted Savings (kWh/yr)	0	0	308,723	0	0	5,267	0	0	0	0	0	63,958	377,948
		Planned Net Savings (kWh/yr)	182,761	0	0	0	0	0	0	0	0	0	0	0	182,761
		Annual % Toward Planned Net Savings	0%	0%	168.9%	168.9%	168.9%	171.8%	171.8%	171.8%	171.8%	171.8%	171.8%	206.8%	206.8%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	343,025	N/A	N/A	5,852	N/A	N/A	N/A	N/A	N/A	35,532	104,985
		Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	308,723	N/A	N/A	5,267	N/A	N/A	N/A	N/A	N/A	31,979	94,487
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	37.3	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	7.7	46.4
		Realization Rate Weighted by Measure	N/A	N/A	100%	N/A	N/A	100%	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	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	0.0	37.3	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	7.7	46.4
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	N/A	N/A	90%	N/A	N/A	N/A	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	-3.7	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8	-4.6
		Net Adjusted Demand Reduction (kW)	0.0	0.0	33.6	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	6.9	41.8
		Planned Net Savings (kW)	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
		Annual % Toward Planned Net Reduction	0%	0%	87.3%	87.3%	87.3%	90.6%	90.6%	90.6%	90.6%	90.6%	90.6%	108.6%	108.6%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	37.3	N/A	N/A	1.4	N/A	N/A	N/A	N/A	N/A	3.9	11.6
		Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	33.6	N/A	N/A	1.3	N/A	N/A	N/A	N/A	N/A	3.5	10.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	37.3	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	7.7	46.4
		Realization Rate Weighted by Measure	-	-	100%	N/A	N/A	100%	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	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	37.3	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	7.7	46.4
		Net-To-Gross Rate Weighted by Measure	-	-	90%	N/A	N/A	90%	N/A	N/A	N/A	N/A	N/A	90%	90%
		Net-To-Gross Adjustment (kW)	-	-	-3.7	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8	-4.6
		Net Adjusted Demand Reduction (kW)	-	-	33.6	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	6.9	41.8
		Planned Net Savings (kW)	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
		Annual % Toward Planned Net Reduction	-	-	87.3%	87.3%	87.3%	90.6%	90.6%	90.6%	90.6%	90.6%	90.6%	108.6%	108.6%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	37.3	N/A	N/A	1.4	N/A	N/A	N/A	N/A	N/A	3.9	11.6
		Avg. Net Demand Reduction per Participant (kW)	-	-	33.6	N/A	N/A	1.3	N/A	N/A	N/A	N/A	N/A	3.5	10.4
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	$4,743	$4,860	$4,997	$2,697	$2,767	$2,828	$2,877	$2,937	$2,991	$1,909	$1,909
		$Admin. per kWh/year (Gross)	N/A	N/A	$0.01	$0.01	$0.01	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02	$0.02
		$Admin. per kW (Gross)	N/A	N/A	$127	$130	$134	$139	$143	$146	$149	$152	$155	$165	$165
		$EM&V per $Total	24.0%	24.0%	16.1%	16.5%	17.2%	17.0%	17.3%	17.4%	17.5%	17.6%	17.6%	14.5%	14.5%
		$Rebate per Participant (Gross)	N/A	N/A	$23,938	$23,938	$23,938	$12,174	$12,174	$12,174	$12,174	$12,174	$12,174	$9,124	$9,124

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K.16.2 2019–2023 North Carolina Non-Residential Small Manufacturing Program (Phase VII) Measure Indicator Tables

NC - Non-Residential Small Manufacturing Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Add Storage	Total Participants	0	0	0	0	0	0
Installed kWh/year	Add Storage	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Add Storage	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Add Storage	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Add Storage	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Add Storage	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Add Storage	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Add Storage	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Add Storage	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Add Storage	Realization Rate	-	-	-	-	-	N/A
	Add Storage	Net-To-Gross Rate	-	-	-	-	-	N/A
	Add Storage	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Add Storage	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Add Storage	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Cycling Dryer	Total Participants	0	0	0	0	1	1
Installed kWh/year	Cycling Dryer	Total Gross Energy Savings (kWh/yr)	0	0	0	0	192	192
	Cycling Dryer	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Cycling Dryer	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Cycling Dryer	Net Adjusted Savings (kWh/yr)	0	0	0	0	173	173
	Cycling Dryer	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	192	192
	Cycling Dryer	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	173	173
Installed Summer peak kW	Cycling Dryer	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Cycling Dryer	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Cycling Dryer	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Cycling Dryer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Cycling Dryer	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0
	Cycling Dryer	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0
Installed Winter peak kW	Cycling Dryer	Total Gross Demand Reduction (kW)	-	-	-	-	0.0	0.0
	Cycling Dryer	Realization Rate	-	-	-	-	N/A	N/A
	Cycling Dryer	Net-To-Gross Rate	-	-	-	-	N/A	N/A
	Cycling Dryer	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0	0.0
	Cycling Dryer	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	0.0	-
	Cycling Dryer	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	0.0	-
							-	
	Dewpoint Control	Total Participants	0	0	0	0	0	0
Installed kWh/year	Dewpoint Control	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Dewpoint Control	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Dewpoint Control	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Dewpoint Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Dewpoint Control	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Dewpoint Control	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Dewpoint Control	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Dewpoint Control	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0

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NC - Non-Residential Small Manufacturing Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Dewpoint Control	Realization Rate	-	-	-	-	-	N/A
	Dewpoint Control	Net-To-Gross Rate	-	-	-	-	-	N/A
	Dewpoint Control	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Dewpoint Control	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Dewpoint Control	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Engineered Nozzle	Total Participants	0	0	0	0	0	0
Installed kWh/year	Engineered Nozzle	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Engineered Nozzle	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Engineered Nozzle	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Engineered Nozzle	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Engineered Nozzle	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Engineered Nozzle	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Engineered Nozzle	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Engineered Nozzle	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Engineered Nozzle	Realization Rate	-	-	-	-	-	N/A
	Engineered Nozzle	Net-To-Gross Rate	-	-	-	-	-	N/A
	Engineered Nozzle	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Engineered Nozzle	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Engineered Nozzle	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Leak Repair	Total Participants	0	0	0	0	2	2
Installed kWh/year	Leak Repair	Total Gross Energy Savings (kWh/yr)	0	0	0	0	71,065	71,065
	Leak Repair	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Leak Repair	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Leak Repair	Net Adjusted Savings (kWh/yr)	0	0	0	0	63,958	63,958
	Leak Repair	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	35,532	35,532
	Leak Repair	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	31,979	31,979
Installed Summer peak kW	Leak Repair	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	7.7	7.7
	Leak Repair	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Leak Repair	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Leak Repair	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	6.9	6.9
	Leak Repair	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	3.9	3.9
	Leak Repair	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	3.5	3.5
Installed Winter peak kW	Leak Repair	Total Gross Demand Reduction (kW)	-	-	-	-	7.7	7.7
	Leak Repair	Realization Rate	-	-	-	-	100%	100%
	Leak Repair	Net-To-Gross Rate	-	-	-	-	90%	90%
	Leak Repair	Net Adjusted Demand Reduction (kW)	-	-	-	-	6.9	6.9
	Leak Repair	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	3.9	3.9
	Leak Repair	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	3.5	3.5
	Low Pressure-Drop Filter	Total Participants	0	0	0	0	1	1
Installed kWh/year	Low Pressure-Drop Filter	Total Gross Energy Savings (kWh/yr)	0	0	0	0	2,760	2,760
	Low Pressure-Drop Filter	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Low Pressure-Drop Filter	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Low Pressure-Drop Filter	Net Adjusted Savings (kWh/yr)	0	0	0	0	2,484	2,484
	Low Pressure-Drop Filter	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,760	2,760
	Low Pressure-Drop Filter	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,484	2,484
Installed Summer peak kW	Low Pressure-Drop Filter	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.7	0.7
	Low Pressure-Drop Filter	Realization Rate	N/A	N/A	N/A	N/A	100%	100%

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NC - Non-Residential Small Manufacturing Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Low Pressure-Drop Filter	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Low Pressure-Drop Filter	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.6	0.6
	Low Pressure-Drop Filter	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.7	0.7
	Low Pressure-Drop Filter	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.6	0.6
Installed Winter peak kW	Low Pressure-Drop Filter	Total Gross Demand Reduction (kW)	-	-	-	-	0.7	0.7
	Low Pressure-Drop Filter	Realization Rate	-	-	-	-	100%	100%
	Low Pressure-Drop Filter	Net-To-Gross Rate	-	-	-	-	90%	90%
	Low Pressure-Drop Filter	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.6	0.6
	Low Pressure-Drop Filter	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	0.7	0.7
	Low Pressure-Drop Filter	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	0.6	0.6
	No-Loss Condensate Drain	Total Participants	0	0	0	0	2	2
Installed kWh/year	No-Loss Condensate Drain	Total Gross Energy Savings (kWh/yr)	0	0	0	0	8,579	8,579
	No-Loss Condensate Drain	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	No-Loss Condensate Drain	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	No-Loss Condensate Drain	Net Adjusted Savings (kWh/yr)	0	0	0	0	7,721	7,721
	No-Loss Condensate Drain	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	4,290	4,290
	No-Loss Condensate Drain	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	3,861	3,861
Installed Summer peak kW	No-Loss Condensate Drain	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	1.3	1.3
	No-Loss Condensate Drain	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	No-Loss Condensate Drain	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	No-Loss Condensate Drain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	1.2	1.2
	No-Loss Condensate Drain	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.7	0.7
	No-Loss Condensate Drain	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.6	0.6
Installed Winter peak kW	No-Loss Condensate Drain	Total Gross Demand Reduction (kW)	-	-	-	-	1.3	1.3
	No-Loss Condensate Drain	Realization Rate	-	-	-	-	100%	100%
	No-Loss Condensate Drain	Net-To-Gross Rate	-	-	-	-	90%	90%
	No-Loss Condensate Drain	Net Adjusted Demand Reduction (kW)	-	-	-	-	1.2	1.2
	No-Loss Condensate Drain	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	0.7	0.7
	No-Loss Condensate Drain	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	0.6	0.6
	Pressure Reduction	Total Participants	0	0	0	0	1	1
Installed kWh/year	Pressure Reduction	Total Gross Energy Savings (kWh/yr)	0	0	0	0	47,974	47,974
	Pressure Reduction	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Pressure Reduction	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Pressure Reduction	Net Adjusted Savings (kWh/yr)	0	0	0	0	43,176	43,176
	Pressure Reduction	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	47,974	47,974
	Pressure Reduction	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	43,176	43,176
Installed Summer peak kW	Pressure Reduction	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	5.2	5.2
	Pressure Reduction	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Pressure Reduction	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Pressure Reduction	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	4.7	4.7
	Pressure Reduction	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	5.2	5.2
	Pressure Reduction	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	4.7	4.7
Installed Winter peak kW	Pressure Reduction	Total Gross Demand Reduction (kW)	-	-	-	-	5.2	5.2
	Pressure Reduction	Realization Rate	-	-	-	-	100%	100%
	Pressure Reduction	Net-To-Gross Rate	-	-	-	-	90%	90%
	Pressure Reduction	Net Adjusted Demand Reduction (kW)	-	-	-	-	4.7	4.7
	Pressure Reduction	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	5.2	5.2
	Pressure Reduction	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	4.7	4.7
	VSD at Air Compressor	Total Participants	0	0	0	0	1	1
Installed kWh/year	VSD at Air Compressor	Total Gross Energy Savings (kWh/yr)	0	0	0	0	289,371	289,371
	VSD at Air Compressor	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	VSD at Air Compressor	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%

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NC - Non-Residential Small Manufacturing Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	VSD at Air Compressor	Net Adjusted Savings (kWh/yr)	0	0	0	0	260,434	260,434
	VSD at Air Compressor	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	289,371	289,371
	VSD at Air Compressor	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	260,434	260,434
Installed Summer peak kW	VSD at Air Compressor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	31.5	31.5
	VSD at Air Compressor	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	VSD at Air Compressor	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	VSD at Air Compressor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	28.4	28.4
	VSD at Air Compressor	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	31.5	31.5
	VSD at Air Compressor	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	28.4	28.4
Installed Winter peak kW	VSD at Air Compressor	Total Gross Demand Reduction (kW)	-	-	-	-	31.5	31.5
	VSD at Air Compressor	Realization Rate	-	-	-	-	100%	100%
	VSD at Air Compressor	Net-To-Gross Rate	-	-	-	-	90%	90%
	VSD at Air Compressor	Net Adjusted Demand Reduction (kW)	-	-	-	-	28.4	28.4
	VSD at Air Compressor	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	31.5	31.5
	VSD at Air Compressor	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	28.4	28.4
	VSD/Air-compressor Downsize	Total Participants	0	0	0	0	0	0
Installed kWh/year	VSD/Air-compressor Downsize	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	VSD/Air-compressor Downsize	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	VSD/Air-compressor Downsize	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	VSD/Air-compressor Downsize	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	VSD/Air-compressor Downsize	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	VSD/Air-compressor Downsize	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	VSD/Air-compressor Downsize	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	VSD/Air-compressor Downsize	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	VSD/Air-compressor Downsize	Realization Rate	-	-	-	-	-	N/A
	VSD/Air-compressor Downsize	Net-To-Gross Rate	-	-	-	-	-	N/A
	VSD/Air-compressor Downsize	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	VSD/Air-compressor Downsize	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	VSD/Air-compressor Downsize	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-

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K.17 North Carolina Non-Residential Window Film Program (Phase VII) 2019–2023

K.17.1 2019–2023 North Carolina Non-Residential Window Film Program (Phase VII) Annual Indicator Tables

NC - Non-Residential Window Film Program			2019	2020	2021	2022	2023	2019-2023
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)						
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$18,804	$19,546	$13,856	$14,219	$66,426
Costs ($)		Planned	$0	$28,279	$27,121	$28,370	$26,163	$109,933
Costs ($)		Variance	$0	-$9,475	-$7,575	-$14,514	-$11,943	-$43,508
		Annual % of Planned	N/A	66%	72%	49%	54%	60%
Participants[1]		Total (Gross)	0	1	1	0	0	2
		Total Square Feet	0	1,004	295	0	0	1,299
		Planned Square Feet	0	8,037	8,037	8,037	8,037	32,148
		Variance Square Feet	0	-7,033	-7,742	-8,037	-8,037	-30,849
		Annual % of Planned (Gross)	N/A	12%	4%	0%	0%	4%
Square Feet		Total Square Feet	0	1,004	295	0	0	1,299
		North Facing	0	254	0	0	0	254
		East Facing	0	0	0	0	0	0
		West Facing	0	0	0	0	0	0
		South Facing	0	750	295	0	0	1,045
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	17,430	6	0	0	17,436
		Realization Rate Weighted by Measure	N/A	100%	100%	N/A	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	17,430	6	0	0	17,436
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	N/A	N/A	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-3,486	-1	0	0	-3,487
		Net Adjusted Savings (kWh/yr)	0	13,944	5	0	0	13,948
		Planned Net Savings (kWh/yr)	0	106,088	106,088	106,088	106,088	424,354
		Annual % Toward Planned Net Savings	N/A	13.1%	0.00%	0%	0%	3.29%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	17,430	6	N/A	N/A	8,718
		Avg. Gross Savings per Square Feet (kWh/yr)	N/A	17.4	0.02	N/A	N/A	13.4
		Avg. Net Savings per Participant (kWh/yr)	N/A	13,944	5	N/A	N/A	6,974
		Avg. Net Savings per Square Feet (kWh/yr)	N/A	13.9	0.02	N/A	N/A	10.7
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	4.7	0.0	0.0	0.0	4.7
		Realization Rate Weighted by Measure	N/A	100%	N/A	N/A	N/A	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	4.7	0.0	0.0	0.0	4.7
		Net-To-Gross Rate Weighted by Measure	N/A	80%	N/A	N/A	N/A	80%
		Net-To-Gross Adjustment (kW)	0.0	-0.9	0.0	0.0	0.0	-0.9
		Net Adjusted Demand Reduction (kW)	0.0	3.7	0.0	0.0	0.0	3.7
		Planned Net Savings (kW)	0.0	30.9	30.9	30.9	30.9	123.4
		Annual % Toward Planned Net Reduction	N/A	12.1%	0%	0%	0%	3.02%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	4.7	0.0	N/A	N/A	2.3
		Avg. Gross Demand Reduction per Square Feet (kW)	N/A	0.005	0.0	N/A	N/A	0.004
		Avg. Net Demand Reduction per Participant (kW)	N/A	3.7	0.0	N/A	N/A	1.9
		Avg. Net Demand Reduction Square Feet (kW)	N/A	0.004	0.0	N/A	N/A	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	0.0	24.4	24.4	24.4	73.1
		Annual % Toward Planned Net Reduction	-	-	0%	0%	0%	0%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	0.0	N/A	N/A	-
		Avg. Gross Demand Reduction per Square Feet (kW)	-	-	N/A	N/A	N/A	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	0.0	N/A	N/A	-
		Avg. Net Demand Reduction Square Feet (kW)	-	-	N/A	N/A	N/A	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$968	$942	$1,232	$1,712	$1,712
		$Admin. per kWh/year (Gross)	N/A	$0.06	$0	$0	$0	$0
		$Admin. per kW (Gross)	N/A	$208	$405	$529	$736	$736
		$EM&V per $Total	N/A	15.3%	17.9%	17.1%	16.9%	16.9%
		$Rebate per Participant (Gross)	N/A	$1,004	$650	$650	$650	$650

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K.17.2 2023 North Carolina Non-Residential Window Film Program (Phase VII) Monthly Indicator Tables

NC - Non-Residential Window Film Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$75	$65	$78	$82	$76	$93	$82	$83	$69	$82	$87	$88	$961
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$1,111	$966	$1,150	$1,213	$1,128	$1,378	$1,210	$1,235	$1,018	$1,213	$1,292	$1,305	$14,219
Costs ($)		Planned	$1,744	$1,744	$1,744	$1,744	$1,744	$1,744	$2,616	$2,616	$2,616	$2,616	$2,616	$2,616	$26,163
Costs ($)		Variance	-$634	-$778	-$594	-$531	-$616	-$367	-$1,406	-$1,381	-$1,599	-$1,403	-$1,324	-$1,312	-$11,943
		Annual % of Planned	4.2%	7.9%	12.3%	17.0%	21.3%	26.5%	31.2%	35.9%	39.8%	44.4%	49.4%	54.3%	54%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total Square Feet	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned Square Feet	678	669	669	669	669	669	669	669	669	669	669	669	8,037
		Variance Square Feet	-678	-669	-669	-669	-669	-669	-669	-669	-669	-669	-669	-669	-8,037
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Square Feet		Total Square Feet	0	0	0	0	0	0	0	0	0	0	0	0	0
		North Facing	0	0	0	0	0	0	0	0	0	0	0	0	0
		East Facing	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
		South Facing	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
		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)	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
		Annual % Toward Planned Net Savings	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
		Avg. Gross Savings per Square Feet (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
		Avg. Net Savings per Square Feet (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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	30.9
		Annual % Toward Planned Net Reduction	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
		Avg. Gross Demand Reduction per Square Feet (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
		Avg. Net Demand Reduction Square Feet (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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24.4
		Annual % Toward Planned Net Reduction	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
		Avg. Gross Demand Reduction per Square Feet (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
		Avg. Net Demand Reduction Square Feet (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
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$1,269	$1,302	$1,341	$1,382	$1,420	$1,466	$1,507	$1,549	$1,583	$1,624	$1,668	$1,712	$1,712
		$Admin. per kWh/year (Gross)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$Admin. per kW (Gross)	$545	$559	$576	$594	$610	$630	$648	$666	$680	$698	$717	$736	$736
		$EM&V per $Total	17.2%	17.0%	17.1%	17.3%	17.3%	17.3%	17.5%	17.4%	17.2%	17.1%	17.0%	16.9%	16.9%
		$Rebate per Participant (Gross)	$650	$650	$650	$650	$650	$650	$650	$650	$650	$650	$650	$650	$650

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K.17.3 2019–2023 North Carolina Non-Residential Window Film Program (Phase VII) Measure Indicator Tables

NC - Non-Residential Window Film Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	East	Total Participants	0	0	0	0	0	0
Installed kWh/year	East	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	East	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	East	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	East	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	East	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	East	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	East	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	East	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	East	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	East	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	East	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	East	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	East	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	East	Realization Rate	-	-	-	-	-	N/A
	East	Net-To-Gross Rate	-	-	-	-	-	N/A
	East	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	East	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	East	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	North	Total Participants	0	1	0	0	0	1
	North	Total Square Feet	0	254	0	0	0	254
Installed kWh/year	North	Total Gross Energy Savings (kWh/yr)	0	910	0	0	0	910
	North	Realization Rate	N/A	100%	N/A	N/A	N/A	100%
	North	Net-To-Gross Rate	N/A	80%	N/A	N/A	N/A	80%
	North	Net Adjusted Savings (kWh/yr)	0	728	0	0	0	728
	North	Avg. Gross Savings per Participant (kWh/yr)	N/A	910	N/A	N/A	N/A	910
	North	Avg. Gross Savings per Square Feet (kWh/yr)	N/A	3.6	N/A	N/A	N/A	3.6
	North	Avg. Net Savings per Participant (kWh/yr)	N/A	728	N/A	N/A	N/A	728
	North	Avg. Net Savings per Square Feet (kWh/yr)	N/A	2.9	N/A	N/A	N/A	2.9
Installed Summer peak kW	North	Total Gross Demand Reduction (kW)	0.0	0.6	0.0	0.0	0.0	0.6
	North	Realization Rate	N/A	100%	N/A	N/A	N/A	100%
	North	Net-To-Gross Rate	N/A	80%	N/A	N/A	N/A	80%
	North	Net Adjusted Demand Reduction (kW)	0.0	0.5	0.0	0.0	0.0	0.5
	North	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.6	N/A	N/A	N/A	0.6
	North	Avg. Gross Demand Reduction per Square Feet (kW)	N/A	0.00	N/A	N/A	N/A	0.00
	North	Avg. Net Demand Reduction per Participant (kW)	N/A	0.5	N/A	N/A	N/A	0.5
	North	Avg. Net Demand Reduction per Square Feet (kW)	N/A	0.00	N/A	N/A	N/A	0.00
Installed Winter peak kW	North	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	North	Realization Rate	-	-	-	-	-	N/A
	North	Net-To-Gross Rate	-	-	-	-	-	N/A
	North	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	North	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	North	Avg. Gross Demand Reduction per Square Feet (kW)	-	-	-	-	-	-
	North	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	North	Avg. Net Demand Reduction per Square Feet (kW)	-	-	-	-	-	-
	South	Total Participants	0	1	1	0	0	2
	South	Total Square Feet	0	750	295	0	0	1,045
Installed kWh/year	South	Total Gross Energy Savings (kWh/yr)	0	16,520	6	0	0	16,526
	South	Realization Rate	N/A	100%	100%	N/A	N/A	100%
	South	Net-To-Gross Rate	N/A	80%	80%	N/A	N/A	80%
	South	Net Adjusted Savings (kWh/yr)	0	13,216	5	0	0	13,221
	South	Avg. Gross Savings per Participant (kWh/yr)	N/A	16,520	6	N/A	N/A	8,263
	South	Avg. Gross Savings per Square Feet (kWh/yr)	N/A	22.0	0.02	N/A	N/A	15.8
	South	Avg. Net Savings per Participant (kWh/yr)	N/A	13,216	5	N/A	N/A	6,610

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NC - Non-Residential Window Film Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	South	Avg. Net Savings per Square Feet (kWh/yr)	N/A	17.6	0.02	N/A	N/A	12.7
Installed Summer peak kW	South	Total Gross Demand Reduction (kW)	0.0	4.0	0.0	0.0	0.0	4.0
	South	Realization Rate	N/A	100%	N/A	N/A	N/A	100%
	South	Net-To-Gross Rate	N/A	80%	N/A	N/A	N/A	80%
	South	Net Adjusted Demand Reduction (kW)	0.0	3.2	0.0	0.0	0.0	3.2
	South	Avg. Gross Demand Reduction per Participant (kW)	N/A	4.0	0.0	N/A	N/A	2.0
	South	Avg. Gross Demand Reduction per Square Feet (kW)	N/A	0.01	0.0	N/A	N/A	0.00
	South	Avg. Net Demand Reduction per Participant (kW)	N/A	3.2	0.0	N/A	N/A	1.6
	South	Avg. Net Demand Reduction per Square Feet (kW)	N/A	0.00	0.0	N/A	N/A	0.00
Installed Winter peak kW	South	Total Gross Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0
	South	Realization Rate	-	-	N/A	N/A	N/A	N/A
	South	Net-To-Gross Rate	-	-	N/A	N/A	N/A	N/A
	South	Net Adjusted Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0
	South	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.0	N/A	N/A	-
	South	Avg. Gross Demand Reduction per Square Feet (kW)	-	-	N/A	N/A	N/A	-
	South	Avg. Net Demand Reduction per Participant (kW)	-	-	0.0	N/A	N/A	-
	South	Avg. Net Demand Reduction per Square Feet (kW)	-	-	N/A	N/A	N/A	-
	West	Total Participants	0	0	0	0	0	0
Installed kWh/year	West	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	West	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	West	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	West	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	West	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	West	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	West	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	West	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	West	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	West	Realization Rate	-	-	-	-	-	N/A
	West	Net-To-Gross Rate	-	-	-	-	-	N/A
	West	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	West	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	West	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-

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K.18 North Carolina Non-Residential New Construction Program (Phase VIII) 2020-2023

K.18.1 2020-2023 North Carolina Non-Residential New Construction Program (Phase VIII) Measure Indicator Tables

NC - Non-Residential New Construction Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Chiller Controls	Total Participants	0	0	0	0	0
Installed kWh/year	Chiller Controls	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Chiller Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Chiller Controls	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Chiller Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Chiller Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Chiller Controls	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Chiller Controls	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Chiller Controls	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Chiller Controls	Realization Rate	-	-	-	-	N/A
	Chiller Controls	Net-To-Gross Rate	-	-	-	-	N/A
	Chiller Controls	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Chiller Controls	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Chiller Controls	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Demand Controlled Ventilation/CO2 Controls	Total Participants	0	0	0	0	0
Installed kWh/year	Demand Controlled Ventilation/CO2 Controls	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Demand Controlled Ventilation/CO2 Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Demand Controlled Ventilation/CO2 Controls	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Demand Controlled Ventilation/CO2 Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Demand Controlled Ventilation/CO2 Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Demand Controlled Ventilation/CO2 Controls	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Demand Controlled Ventilation/CO2 Controls	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Demand Controlled Ventilation/CO2 Controls	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Demand Controlled Ventilation/CO2 Controls	Realization Rate	-	-	-	-	N/A
	Demand Controlled Ventilation/CO2 Controls	Net-To-Gross Rate	-	-	-	-	N/A
	Demand Controlled Ventilation/CO2 Controls	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Demand Controlled Ventilation/CO2 Controls	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Demand Controlled Ventilation/CO2 Controls	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Participants	0	0	0	1	1
Installed kWh/year	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Energy Savings (kWh/yr)	0	0	0	12,342	12,342
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Realization Rate	N/A	N/A	N/A	100%	100%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Savings (kWh/yr)	0	0	0	11,108	11,108
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	12,342	12,342
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	11,108	11,108
Installed Summer peak kW	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	5.4	5.4
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Realization Rate	N/A	N/A	N/A	100%	100%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	4.8	4.8
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	5.4	5.4
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	4.8	4.8
Installed Winter peak kW	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Total Gross Demand Reduction (kW)	-	-	-	4.3	4.3

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NC - Non-Residential New Construction Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Realization Rate	-	-	-	100%	100%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net-To-Gross Rate	-	-	-	90%	90%
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	-	-	-	3.9	3.9
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	4.3	4.3
	High Efficiency and Variable Speed Packaged DX Cooling Equipment	Avg. Net Demand Reduction per Participant (kW)	-	-	-	3.9	3.9
	High Efficiency DX Cooling Equipment	Total Participants	0	0	0	0	0
Installed kWh/year	High Efficiency DX Cooling Equipment	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	High Efficiency DX Cooling Equipment	Realization Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	High Efficiency DX Cooling Equipment	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	High Efficiency DX Cooling Equipment	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	High Efficiency DX Cooling Equipment	Realization Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	High Efficiency DX Cooling Equipment	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	High Efficiency DX Cooling Equipment	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	High Efficiency DX Cooling Equipment	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	High Efficiency DX Cooling Equipment	Realization Rate	-	-	-	-	N/A
	High Efficiency DX Cooling Equipment	Net-To-Gross Rate	-	-	-	-	N/A
	High Efficiency DX Cooling Equipment	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	High Efficiency DX Cooling Equipment	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	High Efficiency DX Cooling Equipment	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	High Efficiency Packaged Air-Source Heat Pumps	Total Participants	0	0	0	0	0
Installed kWh/year	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	High Efficiency Packaged Air-Source Heat Pumps	Realization Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Realization Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	High Efficiency Packaged Air-Source Heat Pumps	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Realization Rate	-	-	-	-	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net-To-Gross Rate	-	-	-	-	N/A
	High Efficiency Packaged Air-Source Heat Pumps	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	High Efficiency Packaged Air-Source Heat Pumps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	High Performance Interior Lighting	Total Participants	0	0	0	1	1
Installed kWh/year	High Performance Interior Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	14,790	14,790
	High Performance Interior Lighting	Realization Rate	N/A	N/A	N/A	100%	100%
	High Performance Interior Lighting	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	High Performance Interior Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	13,311	13,311
	High Performance Interior Lighting	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	14,790	14,790
	High Performance Interior Lighting	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	13,311	13,311
Installed Summer peak kW	High Performance Interior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	2.7	2.7
	High Performance Interior Lighting	Realization Rate	N/A	N/A	N/A	100%	100%

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NC - Non-Residential New Construction Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	High Performance Interior Lighting	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	High Performance Interior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	2.5	2.5
	High Performance Interior Lighting	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	2.7	2.7
	High Performance Interior Lighting	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	2.5	2.5
Installed Winter peak kW	High Performance Interior Lighting	Total Gross Demand Reduction (kW)	-	-	-	2.5	2.5
	High Performance Interior Lighting	Realization Rate	-	-	-	100%	100%
	High Performance Interior Lighting	Net-To-Gross Rate	-	-	-	90%	90%
	High Performance Interior Lighting	Net Adjusted Demand Reduction (kW)	-	-	-	2.3	2.3
	High Performance Interior Lighting	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	2.5	2.5
	High Performance Interior Lighting	Avg. Net Demand Reduction per Participant (kW)	-	-	-	2.3	2.3
	LED Exterior Lighting	Total Participants	0	0	0	1	1
Installed kWh/year	LED Exterior Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	15,463	15,463
	LED Exterior Lighting	Realization Rate	N/A	N/A	N/A	100%	100%
	LED Exterior Lighting	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	LED Exterior Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	13,917	13,917
	LED Exterior Lighting	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	15,463	15,463
	LED Exterior Lighting	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	13,917	13,917
Installed Summer peak kW	LED Exterior Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	LED Exterior Lighting	Realization Rate	N/A	N/A	N/A	N/A	N/A
	LED Exterior Lighting	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	LED Exterior Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	LED Exterior Lighting	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	0.0
	LED Exterior Lighting	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	0.0
Installed Winter peak kW	LED Exterior Lighting	Total Gross Demand Reduction (kW)	-	-	-	0.0	0.0
	LED Exterior Lighting	Realization Rate	-	-	-	N/A	N/A
	LED Exterior Lighting	Net-To-Gross Rate	-	-	-	N/A	N/A
	LED Exterior Lighting	Net Adjusted Demand Reduction (kW)	-	-	-	0.0	0.0
	LED Exterior Lighting	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	0.0	-
	LED Exterior Lighting	Avg. Net Demand Reduction per Participant (kW)	-	-	-	0.0	-
	Optimal Choice of Vertical Fenestration	Total Participants	0	0	0	1	1
Installed kWh/year	Optimal Choice of Vertical Fenestration	Total Gross Energy Savings (kWh/yr)	0	0	0	1,234	1,234
	Optimal Choice of Vertical Fenestration	Realization Rate	N/A	N/A	N/A	100%	100%
	Optimal Choice of Vertical Fenestration	Net-To-Gross Rate	N/A	N/A	N/A	90%	90%
	Optimal Choice of Vertical Fenestration	Net Adjusted Savings (kWh/yr)	0	0	0	1,111	1,111
	Optimal Choice of Vertical Fenestration	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	1,234	1,234
	Optimal Choice of Vertical Fenestration	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	1,111	1,111
Installed Summer peak kW	Optimal Choice of Vertical Fenestration	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Optimal Choice of Vertical Fenestration	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Optimal Choice of Vertical Fenestration	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Optimal Choice of Vertical Fenestration	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Optimal Choice of Vertical Fenestration	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	0.0
	Optimal Choice of Vertical Fenestration	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.0	0.0
Installed Winter peak kW	Optimal Choice of Vertical Fenestration	Total Gross Demand Reduction (kW)	-	-	-	0.0	0.0
	Optimal Choice of Vertical Fenestration	Realization Rate	-	-	-	N/A	N/A
	Optimal Choice of Vertical Fenestration	Net-To-Gross Rate	-	-	-	N/A	N/A
	Optimal Choice of Vertical Fenestration	Net Adjusted Demand Reduction (kW)	-	-	-	0.0	0.0
	Optimal Choice of Vertical Fenestration	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	0.0	-
	Optimal Choice of Vertical Fenestration	Avg. Net Demand Reduction per Participant (kW)	-	-	-	0.0	-

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K.18.2 2023 North Carolina Non-Residential New Construction Program (Phase VIII) Monthly Indicator Tables

NC - Non-Residential New Construction Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$176	$181	$183	$181	$230	$229	$211	$207	$723	$214	$201	$732	$3,468
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$2,601	$2,673	$2,708	$2,678	$3,411	$3,392	$3,129	$3,065	$10,701	$3,164	$2,974	$10,834	$51,331
Costs ($)		Planned	$11,704	$11,704	$11,704	$11,704	$11,704	$11,704	$17,555	$17,555	$17,555	$17,555	$17,555	$17,555	$175,554
Costs ($)		Variance	-$9,103	-$9,030	-$8,996	-$9,025	-$8,293	-$8,312	-$14,426	-$14,490	-$6,855	-$14,391	-$14,581	-$6,721	-$124,223
		Annual % of Planned	1.5%	3.0%	4.5%	6.1%	8.0%	9.9%	11.7%	13.5%	19.6%	21.4%	23.1%	29.2%	29%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	1	0	0	0	1
		Planned	6	0	0	0	0	0	0	0	0	0	0	0	6
		Variance	-6	0	0	0	0	0	0	0	1	0	0	0	-5
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%	17%	17%	17%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	43,829	0	0	0	43,829
		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%
		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	43,829	0	0	0	43,829
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	N/A	N/A	N/A	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	-4,383	0	0	0	-4,383
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	39,446	0	0	0	39,446
		Planned Net Savings (kWh/yr)	292,998	0	0	0	0	0	0	0	0	0	0	0	292,998
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	13.5%	13.5%	13.5%	13.5%	13.5%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	43,829	N/A	N/A	N/A	43,829
		Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39,446	N/A	N/A	N/A	39,446
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	8.1	0.0	0.0	0.0	8.1
		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%
		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	8.1	0.0	0.0	0.0	8.1
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90%	N/A	N/A	N/A	90%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	0.0	0.0	-0.8
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	7.3
		Planned Net Savings (kW)	78.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.2
		Annual % Toward Planned Net Reduction	0%	0%	0%	0%	0%	0%	0%	0%	9.29%	9.29%	9.29%	9.29%	9.29%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.1	N/A	N/A	N/A	8.1
		Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.3	N/A	N/A	N/A	7.3
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	6.8	0.0	0.0	0.0	6.8
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	100%	N/A	N/A	N/A	100%
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	6.8	0.0	0.0	0.0	6.8
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	90%	N/A	N/A	N/A	90%
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-0.7	0.0	0.0	0.0	-0.7
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	6.1	0.0	0.0	0.0	6.1
		Planned Net Savings (kW)	88.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.4
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	6.93%	6.93%	6.93%	6.93%	6.93%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	6.8	N/A	N/A	N/A	6.8
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	6.1	N/A	N/A	N/A	6.1
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$4,884	$5,098	$5,299	$6,031	$6,031
		$Admin. per kWh/year (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$0	$0	$0	$0	$0
		$Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$605	$631	$656	$746	$746
		$EM&V per $Total	4.2%	4.1%	4.1%	4.0%	5.0%	5.7%	6.2%	6.5%	6.0%	6.4%	6.6%	6.4%	6.4%
		$Rebate per Participant (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	$5,289	$5,289	$5,289	$5,289	$5,289

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K.19 North Carolina Non-Residential Small Business Improvement Enhanced Program (Phase IX) 2020-2023

K.19.1 2020-2023 North Carolina Non-Residential Small Business Improvement Enhanced Program (Phase IX) Annual Indicator Tables

NC - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$82,440	$145,320	$385,554	$613,314
Costs ($)		Planned	$0	$221,797	$233,024	$226,686	$681,507
Costs ($)		Variance	$0	-$139,357	-$87,704	$158,867	-$68,194
		Annual % of Planned	N/A	37%	62%	170%	90%
Participants[1]		Total (Gross)	0	8	8	47	63
		Planned	0	41	41	41	123
		Variance	0	-33	-33	6	-60
		Annual % of Planned (Gross)	N/A	20%	20%	115%	51%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	157,603	315,960	1,547,651	2,021,214
		Realization Rate Weighted by Measure	N/A	120%	120%	103%	107%
		Realization Rate Adjustment (kWh/yr)	0	31,908	64,325	45,936	142,169
		Realization Rate Adjusted Savings (kWh/yr)	0	189,510	380,285	1,593,587	2,163,382
		Net-To-Gross Rate Weighted by Measure	N/A	73%	73%	72%	72%
		Net-To-Gross Adjustment (kWh/yr)	0	-51,874	-104,453	-442,753	-599,079
		Net Adjusted Savings (kWh/yr)	0	137,636	275,832	1,150,834	1,564,303
		Planned Net Savings (kWh/yr)	0	594,904	594,904	594,904	1,784,713
		Annual % Toward Planned Net Savings	N/A	23.1%	46.4%	193.4%	87.7%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	19,700	39,495	32,929	32,083
		Avg. Net Savings per Participant (kWh/yr)	N/A	17,205	34,479	24,486	24,830
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	30.3	66.8	224.2	321.2
		Realization Rate Weighted by Measure	N/A	100%	100%	99%	99%
		Realization Rate Adjustment (kW)	0.0	0.0	0.0	-2.2	-2.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	30.3	66.8	222.0	319.0
		Net-To-Gross Rate Weighted by Measure	N/A	73%	73%	72%	73%
		Net-To-Gross Adjustment (kW)	0.0	-8.3	-17.9	-61.8	-88.0
		Net Adjusted Demand Reduction (kW)	0.0	22.0	48.9	160.8	231.6
		Planned Net Savings (kW)	0.0	187.2	187.2	187.2	561.6
		Annual % Toward Planned Net Reduction	N/A	11.7%	26.1%	85.9%	41.2%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	3.8	8.3	4.8	5.1
		Avg. Net Demand Reduction per Participant (kW)	N/A	2.7	6.1	3.4	3.7
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	15.5	28.0	171.0	214.5
		Realization Rate Weighted by Measure	-	100%	100%	99%	99%
		Realization Rate Adjustment (kW)	-	0.0	0.0	-1.6	-1.6
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	15.5	28.0	169.3	212.9
		Net-To-Gross Rate Weighted by Measure	-	73%	73%	73%	73%
		Net-To-Gross Adjustment (kW)	-	-4.1	-7.6	-46.5	-58.3
		Net Adjusted Demand Reduction (kW)	-	11.4	20.4	123.3	155.1
		Planned Net Savings (kW)	0.0	120.5	120.5	120.5	361.5
		Annual % Toward Planned Net Reduction	-	9.48%	16.9%	102.3%	42.9%
		Avg. Gross Demand Reduction per Participant (kW)	-	1.9	3.5	3.6	3.4
		Avg. Net Demand Reduction per Participant (kW)	-	1.4	2.6	2.6	2.5
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$483	$621	$571	$571
		$Admin. per kWh/year (Gross)	N/A	$0.02	$0.02	$0.02	$0.02
		$Admin. per kW (Gross)	N/A	$128	$102	$112	$112
		$EM&V per $Total	N/A	2.7%	5.7%	4.2%	4.2%
		$Rebate per Participant (Gross)	N/A	$2,911	$5,072	$5,481	$5,481

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K.19.2 2023 North Carolina Non-Residential Small Business Improvement Enhanced Program (Phase IX) Monthly Indicator Tables

NC - Non-Residential Small Business Improvement Enhanced Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$1,953	$3,752	$1,439	$634	$597	$641	$1,503	$2,818	$2,023	$2,367	$6,225	$2,100	$26,051
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$28,905	$55,530	$21,296	$9,384	$8,830	$9,488	$22,240	$41,701	$29,939	$35,027	$92,129	$31,084	$385,554
Costs ($)		Planned	$15,112	$15,112	$15,112	$15,112	$15,112	$15,112	$22,669	$22,669	$22,669	$22,669	$22,669	$22,669	$226,686
Costs ($)		Variance	$13,793	$40,417	$6,183	-$5,728	-$6,282	-$5,625	-$428	$19,033	$7,270	$12,359	$69,461	$8,415	$158,867
		Annual % of Planned	12.8%	37.2%	46.6%	50.8%	54.7%	58.9%	68.7%	87.1%	100.3%	115.7%	156.4%	170.1%	170%
Participants[1]		Total (Gross)	4	3	3	0	0	1	4	2	1	7	19	3	47
		Planned	8	3	3	3	3	3	3	3	3	3	3	3	41
		Variance	-4	0	0	-3	-3	-2	1	-1	-2	4	16	0	6
		Annual % of Planned (Gross)	10%	17%	24%	24%	24%	27%	37%	41%	44%	61%	107%	115%	115%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	118,759	216,906	93,971	0	9,756	6,620	130,678	208,790	127,589	132,730	412,970	88,881	1,547,651
		Realization Rate Weighted by Measure	103%	103%	103%	N/A	103%	103%	103%	103%	103%	103%	103%	103%	103%
		Realization Rate Adjustment (kWh/yr)	3,315	6,507	2,819	0	293	199	3,920	6,264	3,800	3,929	12,275	2,616	45,936
		Realization Rate Adjusted Savings (kWh/yr)	122,074	223,413	96,790	0	10,049	6,819	134,599	215,053	131,389	136,659	425,246	91,497	1,593,587
		Net-To-Gross Rate Weighted by Measure	73%	72%	72%	N/A	72%	72%	72%	72%	72%	72%	72%	72%	72%
		Net-To-Gross Adjustment (kWh/yr)	-32,443	-62,556	-27,101	0	-2,814	-1,909	-37,688	-60,215	-36,594	-37,893	-118,271	-25,269	-442,753
		Net Adjusted Savings (kWh/yr)	89,631	160,857	69,689	0	7,235	4,909	96,911	154,838	94,795	98,765	306,975	66,228	1,150,834
		Planned Net Savings (kWh/yr)	116,079	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	43,530	594,904
		Annual % Toward Planned Net Savings	15.1%	42.1%	53.8%	53.8%	55.0%	55.9%	72.2%	98.2%	114.1%	130.7%	182.3%	193.4%	193.4%
		Avg. Gross Savings per Participant (kWh/yr)	29,690	72,302	31,324	N/A	N/A	6,620	32,670	104,395	127,589	18,961	21,735	29,627	32,929
		Avg. Net Savings per Participant (kWh/yr)	22,408	53,619	23,230	N/A	N/A	4,909	24,228	77,419	94,795	14,109	16,157	22,076	24,486
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	12.3	42.8	18.0	0.0	1.5	1.2	29.3	12.4	24.3	18.3	51.6	12.6	224.2
		Realization Rate Weighted by Measure	99%	99%	99%	N/A	99%	99%	99%	99%	99%	99%	99%	99%	99%
		Realization Rate Adjustment (kW)	-0.1	-0.4	-0.2	0.0	0.0	0.0	-0.3	-0.1	-0.2	-0.2	-0.5	-0.1	-2.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	12.2	42.4	17.8	0.0	1.4	1.1	29.0	12.3	24.1	18.1	51.1	12.5	222.0
		Net-To-Gross Rate Weighted by Measure	72%	72%	72%	N/A	72%	72%	72%	72%	72%	73%	73%	73%	72%
		Net-To-Gross Adjustment (kW)	-3.4	-12.0	-5.0	0.0	-0.4	-0.3	-8.2	-3.5	-6.8	-4.9	-13.8	-3.4	-61.8
		Net Adjusted Demand Reduction (kW)	8.8	30.5	12.8	0.0	1.0	0.8	20.9	8.8	17.3	13.3	37.4	9.1	160.8
		Planned Net Savings (kW)	36.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	187.2
		Annual % Toward Planned Net Reduction	4.70%	21.0%	27.9%	27.9%	28.4%	28.9%	40.0%	44.7%	54.0%	61.1%	81.0%	85.9%	85.9%
		Avg. Gross Demand Reduction per Participant (kW)	3.1	14.3	6.0	N/A	N/A	1.2	7.3	6.2	24.3	2.6	2.7	4.2	4.8
		Avg. Net Demand Reduction per Participant (kW)	2.2	10.2	4.3	N/A	N/A	0.8	5.2	4.4	17.3	1.9	2.0	3.0	3.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	13.6	17.8	9.2	0.0	1.0	0.6	16.6	27.1	9.8	14.9	50.7	9.8	171.0
		Realization Rate Weighted by Measure	99%	99%	99%	N/A	99%	99%	99%	99%	99%	99%	99%	99%	99%
		Realization Rate Adjustment (kW)	-0.1	-0.2	-0.1	0.0	0.0	0.0	-0.2	-0.3	-0.1	-0.1	-0.5	-0.1	-1.6
		Realization Rate Adjusted Gross Demand Reduction (kW)	13.5	17.7	9.1	0.0	1.0	0.6	16.4	26.9	9.7	14.8	50.2	9.7	169.3
		Net-To-Gross Rate Weighted by Measure	73%	72%	72%	N/A	72%	72%	72%	72%	72%	74%	74%	73%	73%
		Net-To-Gross Adjustment (kW)	-3.7	-5.0	-2.6	0.0	-0.3	-0.2	-4.6	-7.6	-2.7	-3.9	-13.4	-2.6	-46.5
		Net Adjusted Demand Reduction (kW)	9.8	12.7	6.5	0.0	0.7	0.4	11.8	19.3	7.0	10.9	36.9	7.1	123.3
		Planned Net Savings (kW)	23.5	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	120.5
		Annual % Toward Planned Net Reduction	8.16%	18.7%	24.1%	24.1%	24.7%	25.1%	34.9%	50.9%	56.7%	65.7%	96.4%	102.3%	102.3%
		Avg. Gross Demand Reduction per Participant (kW)	3.4	5.9	3.1	N/A	N/A	0.6	4.1	13.6	9.8	2.1	2.7	3.3	3.6
		Avg. Net Demand Reduction per Participant (kW)	2.5	4.2	2.2	N/A	N/A	0.4	3.0	9.7	7.0	1.6	1.9	2.4	2.6
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$594	$680	$657	$681	$704	$702	$660	$705	$744	$675	$565	$571	$571
		$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
		$Admin. per kW (Gross)	$109	$103	$100	$104	$107	$110	$101	$109	$106	$108	$110	$112	$112
		$EM&V per $Total	5.6%	5.1%	5.5%	6.0%	6.1%	6.3%	6.2%	5.7%	5.4%	5.1%	4.3%	4.2%	4.2%
		$Rebate per Participant (Gross)	$4,989	$6,229	$5,939	$5,939	$5,991	$5,809	$5,495	$6,133	$6,553	$6,058	$5,409	$5,481	$5,481

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K.19.3 2020-2023 North Carolina Non-Residential Small Business Improvement Program (Phase IX) Measure Indicator Tables

NC - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Auto Closers	Total Participants	0	0	0	0	0
Installed kWh/year	Auto Closers	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Auto Closers	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Auto Closers	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Auto Closers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Auto Closers	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Auto Closers	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Auto Closers	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Auto Closers	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Auto Closers	Realization Rate	-	-	-	-	N/A
	Auto Closers	Net-To-Gross Rate	-	-	-	-	N/A
	Auto Closers	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Auto Closers	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Auto Closers	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Duct Test and Seal	Total Participants	0	1	2	11	14
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	2,716	2,286	1,826	6,828
	Duct Test and Seal	Realization Rate	N/A	100%	100%	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	93%	93%	93%	93%
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	2,526	2,126	1,698	6,350
	Duct Test and Seal	Avg. Gross Savings per Participant (kWh/yr)	N/A	2,716	1,143	166	488
	Duct Test and Seal	Avg. Net Savings per Participant (kWh/yr)	N/A	2,526	1,063	154	454
Installed Summer peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	0.0	0.6	2.1	0.8	3.5
	Duct Test and Seal	Realization Rate	N/A	100%	100%	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	93%	93%	93%	93%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	0.5	2.0	0.8	3.3
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.6	1.1	0.08	0.3
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	N/A	0.5	1.0	0.07	0.2
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	-	1.0	0.6	1.5	3.0
	Duct Test and Seal	Realization Rate	-	100%	100%	100%	100%
	Duct Test and Seal	Net-To-Gross Rate	-	93%	93%	93%	93%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	-	0.9	0.6	1.4	2.8
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	-	1.0	0.3	0.1	0.2
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	-	0.9	0.3	0.1	0.2
	HVAC Tune up	Total Participants	0	0	2	13	15
Installed kWh/year	HVAC Tune up	Total Gross Energy Savings (kWh/yr)	0	0	1,169	5,307	6,476
	HVAC Tune up	Realization Rate	N/A	N/A	100%	100%	100%
	HVAC Tune up	Net-To-Gross Rate	N/A	N/A	93%	93%	93%
	HVAC Tune up	Net Adjusted Savings (kWh/yr)	0	0	1,087	4,936	6,023
	HVAC Tune up	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	584	408	432
	HVAC Tune up	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	543	380	402
Installed Summer peak kW	HVAC Tune up	Total Gross Demand Reduction (kW)	0.0	0.0	1.1	3.6	4.7
	HVAC Tune up	Realization Rate	N/A	N/A	100%	100%	100%
	HVAC Tune up	Net-To-Gross Rate	N/A	N/A	93%	93%	93%
	HVAC Tune up	Net Adjusted Demand Reduction (kW)	0.0	0.0	1.0	3.3	4.4
	HVAC Tune up	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.6	0.3	0.3
	HVAC Tune up	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.5	0.3	0.3
Installed Winter peak kW	HVAC Tune up	Total Gross Demand Reduction (kW)	-	-	0.3	4.2	4.6

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NC - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	HVAC Tune up	Realization Rate	-	-	100%	100%	100%
	HVAC Tune up	Net-To-Gross Rate	-	-	93%	93%	93%
	HVAC Tune up	Net Adjusted Demand Reduction (kW)	-	-	0.3	3.9	4.2
	HVAC Tune up	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.2	0.3	0.3
	HVAC Tune up	Avg. Net Demand Reduction per Participant (kW)	-	-	0.2	0.3	0.3
	LED Lamps	Total Participants	0	8	7	36	51
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	151,941	306,309	1,531,214	1,989,463
	LED Lamps	Realization Rate	N/A	121%	121%	103%	107%
	LED Lamps	Net-To-Gross Rate	N/A	72%	72%	72%	72%
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	132,371	266,856	1,135,548	1,534,775
	LED Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	18,993	43,758	42,534	39,009
	LED Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	16,546	38,122	31,543	30,094
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	29.3	62.8	219.6	311.8
	LED Lamps	Realization Rate	N/A	100%	100%	99%	99%
	LED Lamps	Net-To-Gross Rate	N/A	72%	72%	72%	72%
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	21.1	45.2	156.5	222.9
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	3.7	9.0	6.1	6.1
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	2.6	6.5	4.3	4.4
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	-	14.4	26.8	164.7	205.9
	LED Lamps	Realization Rate	-	100%	100%	99%	99%
	LED Lamps	Net-To-Gross Rate	-	72%	72%	72%	72%
	LED Lamps	Net Adjusted Demand Reduction (kW)	-	10.4	19.3	117.4	147.0
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	1.8	3.8	4.6	4.0
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	-	1.3	2.8	3.3	2.9
	Occupancy Sensors	Total Participants	0	4	3	5	12
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	2,946	6,197	9,304	18,446
	Occupancy Sensors	Realization Rate	N/A	100%	100%	100%	100%
	Occupancy Sensors	Net-To-Gross Rate	N/A	93%	93%	93%	93%
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	2,740	5,763	8,652	17,155
	Occupancy Sensors	Avg. Gross Savings per Participant (kWh/yr)	N/A	736	2,066	1,861	1,537
	Occupancy Sensors	Avg. Net Savings per Participant (kWh/yr)	N/A	685	1,921	1,730	1,430
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.4	0.7	0.2	1.2
	Occupancy Sensors	Realization Rate	N/A	100%	100%	100%	100%
	Occupancy Sensors	Net-To-Gross Rate	N/A	93%	93%	93%	93%
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.6	0.1	1.1
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.09	0.2	0.03	0.1
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	N/A	0.08	0.2	0.03	0.09
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	-	0.1	0.3	0.6	1.1
	Occupancy Sensors	Realization Rate	-	100%	100%	100%	100%
	Occupancy Sensors	Net-To-Gross Rate	-	93%	93%	93%	93%
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	-	0.1	0.2	0.6	1.0
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	-	0.04	0.09	0.1	0.09
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	-	0.03	0.08	0.1	0.08
	Programmable Thermostats	Total Participants	0	0	0	0	0
Installed kWh/year	Programmable Thermostats	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Programmable Thermostats	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Programmable Thermostats	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Realization Rate	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Programmable Thermostats	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Programmable Thermostats	Realization Rate	-	-	-	-	N/A
	Programmable Thermostats	Net-To-Gross Rate	-	-	-	-	N/A
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Programmable Thermostats	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Programmable Thermostats	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Strip Curtains	Total Participants	0	0	0	0	0
Installed kWh/year	Strip Curtains	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Strip Curtains	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Strip Curtains	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Strip Curtains	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Strip Curtains	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Strip Curtains	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Strip Curtains	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Strip Curtains	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Strip Curtains	Realization Rate	-	-	-	-	N/A
	Strip Curtains	Net-To-Gross Rate	-	-	-	-	N/A
	Strip Curtains	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Strip Curtains	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Strip Curtains	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	T5/T8 Lamps	Total Participants	0	0	0	0	0
Installed kWh/year	T5/T8 Lamps	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	T5/T8 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	T5/T8 Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	T5/T8 Lamps	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	T5/T8 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	T5/T8 Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	T5/T8 Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	T5/T8 Lamps	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	T5/T8 Lamps	Realization Rate	-	-	-	-	N/A
	T5/T8 Lamps	Net-To-Gross Rate	-	-	-	-	N/A
	T5/T8 Lamps	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	T5/T8 Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	T5/T8 Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Unitary AC	Total Participants	0	0	0	0	0
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Unitary AC	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Unitary AC	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Small Business Improvement Enhanced Program			2020	2021	2022	2023	2020-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Unitary AC	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Unitary AC	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Unitary AC	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Unitary AC	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Unitary AC	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Unitary AC	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Unitary AC	Realization Rate	-	-	-	-	N/A
	Unitary AC	Net-To-Gross Rate	-	-	-	-	N/A
	Unitary AC	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Window Film	Total Participants	0	0	0	0	0
Installed kWh/year	Window Film	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Window Film	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Window Film	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Window Film	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Window Film	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Window Film	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Window Film	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Window Film	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Window Film	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Window Film	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Window Film	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Window Film	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Window Film	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Window Film	Realization Rate	-	-	-	-	N/A
	Window Film	Net-To-Gross Rate	-	-	-	-	N/A
	Window Film	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Window Film	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Window Film	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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K.20 North Carolina Non-Residential Office Program (Phase VII) 2019–2023

K.20.1 2019–2023 North Carolina Non-Residential Office Program (Phase VII) Annual Indicator Tables

NC - Non-Residential Office Program			2019	2020	2021	2022	2023	2019-2023
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)						
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$21,142	$38,028	$18,553	$30,001	$107,724
Costs ($)		Planned	$0	$72,457	$71,023	$74,366	$73,477	$291,324
Costs ($)		Variance	$0	-$51,316	-$32,995	-$55,812	-$43,477	-$183,600
		Annual % of Planned	N/A	29%	54%	25%	41%	37%
Participants[1]		Total (Gross)	0	0	2	0	1	3
		Planned	0	5	5	5	5	20
		Variance	0	-5	-3	-5	-4	-17
		Annual % of Planned (Gross)	N/A	0%	40%	0%	20%	15%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	43,444	0	50,462	93,906
		Realization Rate Weighted by Measure	N/A	N/A	100%	N/A	100%	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	0	0	43,444	0	50,462	93,906
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	90%	N/A	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	-4,344	0	-5,046	-9,391
		Net Adjusted Savings (kWh/yr)	0	0	39,100	0	45,416	84,516
		Planned Net Savings (kWh/yr)	0	292,969	292,969	292,969	292,969	1,171,876
		Annual % Toward Planned Net Savings	N/A	0%	13.3%	0%	15.5%	7.21%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	21,722	N/A	50,462	31,302
		Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	19,550	N/A	45,416	28,172
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	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
		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	0.0	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	N/A	N/A	N/A
		Net-To-Gross Adjustment (kW)	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
		Planned Net Savings (kW)	0.0	29.6	29.6	29.6	29.6	118.2
		Annual % Toward Planned Net Reduction	N/A	0%	0%	0%	0%	0%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.0	N/A	0.0	0.0
		Avg. Net Demand Reduction per Participant (kW)	N/A	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
		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	0.0	155.5	155.5	155.5	466.6
		Annual % Toward Planned Net Reduction	-	-	0%	0%	0%	0%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	0.0	N/A	0.0	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	0.0	N/A	0.0	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	$892	$1,279	$1,528	$1,528
		$Admin. per kWh/year (Gross)	N/A	N/A	$0.04	$0.06	$0.05	$0.05
		$Admin. per kW (Gross)	N/A	N/A	N/A	N/A	N/A	N/A
		$EM&V per $Total	N/A	39.8%	29.2%	31.5%	27.6%	27.6%
		$Rebate per Participant (Gross)	N/A	N/A	$4,079	$4,079	$4,354	$4,354

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K.20.2 2023 North Carolina Non-Residential Office Program (Phase VII) Monthly Indicator Tables

NC - Non-Residential Office Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$111	$66	$138	$89	$131	$108	$112	$96	$93	$699	$100	$283	$2,027
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$1,636	$977	$2,050	$1,320	$1,932	$1,599	$1,660	$1,416	$1,380	$10,351	$1,487	$4,192	$30,001
Costs ($)		Planned	$4,898	$4,898	$4,898	$4,898	$4,898	$4,898	$7,348	$7,348	$7,348	$7,348	$7,348	$7,348	$73,477
Costs ($)		Variance	-$3,262	-$3,922	-$2,849	-$3,578	-$2,966	-$3,299	-$5,688	-$5,932	-$5,968	$3,004	-$5,861	-$3,155	-$43,477
		Annual % of Planned	2.2%	3.6%	6.3%	8.1%	10.8%	12.9%	15.2%	17.1%	19.0%	33.1%	35.1%	40.8%	41%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	1	0	0	1
		Planned	5	0	0	0	0	0	0	0	0	0	0	0	5
		Variance	-5	0	0	0	0	0	0	0	0	1	0	0	-4
		Annual % of Planned (Gross)	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	20%	20%	20%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	50,462	0	0	50,462
		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	N/A	100%
		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	50,462	0	0	50,462
		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	N/A	90%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0	0	0	0	0	-5,046	0	0	-5,046
		Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0	0	45,416	0	0	45,416
		Planned Net Savings (kWh/yr)	292,969	0	0	0	0	0	0	0	0	0	0	0	292,969
		Annual % Toward Planned Net Savings	0%	0%	0%	0%	0%	0%	0%	0%	0%	15.5%	15.5%	15.5%	15.5%
		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	50,462	N/A	N/A	50,462
		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	45,416	N/A	N/A	45,416
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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
		Annual % Toward Planned Net Reduction	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	0.0	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	0.0	N/A	N/A	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
		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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	155.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155.5
		Annual % Toward Planned Net Reduction	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	0.0	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	0.0	N/A	N/A	0.0
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$1,334	$1,367	$1,436	$1,481	$1,546	$1,600	$1,656	$1,704	$1,751	$1,400	$1,434	$1,528	$1,528
		$Admin. per kWh/year (Gross)	$0.06	$0.06	$0.07	$0.07	$0.07	$0.07	$0.08	$0.08	$0.08	$0.04	$0.05	$0.05	$0.05
		$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
		$EM&V per $Total	31.6%	31.3%	31.7%	31.5%	31.6%	31.7%	31.8%	31.6%	31.3%	28.5%	28.4%	27.6%	27.6%
		$Rebate per Participant (Gross)	$4,079	$4,079	$4,079	$4,079	$4,079	$4,079	$4,079	$4,079	$4,079	$4,354	$4,354	$4,354	$4,354

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K.20.3 2019–2023 North Carolina Non-Residential Office Program (Phase VII) Measure Indicator Tables

NC - Non-Residential Office Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Discharge Air Temperature Reset (electric heat)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Discharge Air Temperature Reset (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Discharge Air Temperature Reset (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Discharge Air Temperature Reset (electric heat)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Discharge Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Discharge Air Temperature Reset (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Discharge Air Temperature Reset (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Discharge Air Temperature Reset (electric heat)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Discharge Air Temperature Reset (electric heat)	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Discharge Air Temperature Reset (electric heat)	Realization Rate	-	-	-	-	-	N/A
	Discharge Air Temperature Reset (electric heat)	Net-To-Gross Rate	-	-	-	-	-	N/A
	Discharge Air Temperature Reset (electric heat)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Discharge Air Temperature Reset (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Discharge Air Temperature Reset (electric heat)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Dual Enthalpy Economizer Control	Total Participants	0	0	0	0	0	0
Installed kWh/year	Dual Enthalpy Economizer Control	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Dual Enthalpy Economizer Control	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Dual Enthalpy Economizer Control	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Dual Enthalpy Economizer Control	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Dual Enthalpy Economizer Control	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Dual Enthalpy Economizer Control	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Dual Enthalpy Economizer Control	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Dual Enthalpy Economizer Control	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Dual Enthalpy Economizer Control	Realization Rate	-	-	-	-	-	N/A
	Dual Enthalpy Economizer Control	Net-To-Gross Rate	-	-	-	-	-	N/A
	Dual Enthalpy Economizer Control	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Dual Enthalpy Economizer Control	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Dual Enthalpy Economizer Control	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Night Temperature Setback	Total Participants	0	0	2	0	1	3
Installed kWh/year	Night Temperature Setback	Total Gross Energy Savings (kWh/yr)	0	0	30,978	0	3,557	34,535
	Night Temperature Setback	Realization Rate	N/A	N/A	100%	N/A	100%	100%
	Night Temperature Setback	Net-To-Gross Rate	N/A	N/A	90%	N/A	90%	90%
	Night Temperature Setback	Net Adjusted Savings (kWh/yr)	0	0	27,880	0	3,201	31,081
	Night Temperature Setback	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	15,489	N/A	3,557	11,512
	Night Temperature Setback	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	13,940	N/A	3,201	10,360
Installed Summer peak kW	Night Temperature Setback	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Night Temperature Setback	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Night Temperature Setback	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Night Temperature Setback	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Night Temperature Setback	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.0	N/A	0.0	0.0
	Night Temperature Setback	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.0	N/A	0.0	0.0
Installed Winter peak kW	Night Temperature Setback	Total Gross Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0

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NC - Non-Residential Office Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Night Temperature Setback	Realization Rate	-	-	N/A	N/A	N/A	N/A
	Night Temperature Setback	Net-To-Gross Rate	-	-	N/A	N/A	N/A	N/A
	Night Temperature Setback	Net Adjusted Demand Reduction (kW)	-	-	0.0	0.0	0.0	0.0
	Night Temperature Setback	Avg. Gross Demand Reduction per Participant (kW)	-	-	0.0	N/A	0.0	-
	Night Temperature Setback	Avg. Net Demand Reduction per Participant (kW)	-	-	0.0	N/A	0.0	-
	Reduce VAV Box Minimum Position (electric heat)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Reduce VAV Box Minimum Position (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Reduce VAV Box Minimum Position (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Reduce VAV Box Minimum Position (electric heat)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Reduce VAV Box Minimum Position (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (electric heat)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Reduce VAV Box Minimum Position (electric heat)	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Reduce VAV Box Minimum Position (electric heat)	Realization Rate	-	-	-	-	-	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net-To-Gross Rate	-	-	-	-	-	N/A
	Reduce VAV Box Minimum Position (electric heat)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Reduce VAV Box Minimum Position (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Reduce VAV Box Minimum Position (electric heat)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Reduce VAV Box Minimum Position (gas heat)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Reduce VAV Box Minimum Position (gas heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Reduce VAV Box Minimum Position (gas heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Reduce VAV Box Minimum Position (gas heat)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Reduce VAV Box Minimum Position (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (gas heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Reduce VAV Box Minimum Position (gas heat)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Reduce VAV Box Minimum Position (gas heat)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Reduce VAV Box Minimum Position (gas heat)	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Reduce VAV Box Minimum Position (gas heat)	Realization Rate	-	-	-	-	-	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net-To-Gross Rate	-	-	-	-	-	N/A
	Reduce VAV Box Minimum Position (gas heat)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Reduce VAV Box Minimum Position (gas heat)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Reduce VAV Box Minimum Position (gas heat)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule HVAC (electric heat)	Total Participants	0	0	0	0	0	0
Installed kWh/year	Schedule HVAC (electric heat)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Schedule HVAC (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (electric heat)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Schedule HVAC (electric heat)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (electric heat)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Schedule HVAC (electric heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule HVAC (electric heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Office Program			2019	2020	2021	2022	2023	2019-2023
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Schedule HVAC (electric heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (electric heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule HVAC (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (electric heat)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Schedule HVAC (electric heat)	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule HVAC (electric heat)	Realization Rate	-	-	-	-	-	N/A
	Schedule HVAC (electric heat)	Net-To-Gross Rate	-	-	-	-	-	N/A
	Schedule HVAC (electric heat)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule HVAC (electric heat)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule HVAC (electric heat)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule HVAC (gas heat)	Total Participants	0	0	2	0	1	3
Installed kWh/year	Schedule HVAC (gas heat)	Total Gross Energy Savings (kWh/yr)	0	0	12,466	0	44,096	56,562
	Schedule HVAC (gas heat)	Realization Rate	N/A	N/A	100%	N/A	100%	100%
	Schedule HVAC (gas heat)	Net-To-Gross Rate	N/A	N/A	90%	N/A	90%	90%
	Schedule HVAC (gas heat)	Net Adjusted Savings (kWh/yr)	0	0	11,220	0	39,687	50,906
	Schedule HVAC (gas heat)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	6,233	N/A	44,096	18,854
	Schedule HVAC (gas heat)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	5,610	N/A	39,687	16,969
Installed Summer peak kW	Schedule HVAC (gas heat)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule HVAC (gas heat)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (gas heat)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule HVAC (gas heat)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule HVAC (gas heat)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.0	N/A	0.0	0.0
	Schedule HVAC (gas heat)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.0	N/A	0.0	0.0
Installed Winter peak kW	Schedule HVAC (gas heat)	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule HVAC (gas heat)	Realization Rate	-	-	-	-	-	N/A
	Schedule HVAC (gas heat)	Net-To-Gross Rate	-	-	-	-	-	N/A
	Schedule HVAC (gas heat)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule HVAC (gas heat)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule HVAC (gas heat)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule Lighting	Total Participants	0	0	0	0	1	1
Installed kWh/year	Schedule Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0	2,809	2,809
	Schedule Lighting	Realization Rate	N/A	N/A	N/A	N/A	100%	100%
	Schedule Lighting	Net-To-Gross Rate	N/A	N/A	N/A	N/A	90%	90%
	Schedule Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0	2,528	2,528
	Schedule Lighting	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,809	2,809
	Schedule Lighting	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	2,528	2,528
Installed Summer peak kW	Schedule Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule Lighting	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule Lighting	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Schedule Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Schedule Lighting	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0
	Schedule Lighting	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	0.0	0.0
Installed Winter peak kW	Schedule Lighting	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule Lighting	Realization Rate	-	-	-	-	-	N/A
	Schedule Lighting	Net-To-Gross Rate	-	-	-	-	-	N/A
	Schedule Lighting	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Schedule Lighting	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Schedule Lighting	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Static Pressure Reset	Total Participants	0	0	0	0	0	0
Installed kWh/year	Static Pressure Reset	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0
	Static Pressure Reset	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Static Pressure Reset	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Office Program Category	Measure	Indicator	2019 Total	2020 Total	2021 Total	2022 Total	2023 Total	2019-2023 Total
	Static Pressure Reset	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0
	Static Pressure Reset	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Static Pressure Reset	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Static Pressure Reset	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Static Pressure Reset	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Static Pressure Reset	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A
	Static Pressure Reset	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0
	Static Pressure Reset	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Static Pressure Reset	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Static Pressure Reset	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Static Pressure Reset	Realization Rate	-	-	-	-	-	N/A
	Static Pressure Reset	Net-To-Gross Rate	-	-	-	-	-	N/A
	Static Pressure Reset	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Static Pressure Reset	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Static Pressure Reset	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-

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K.21 North Carolina Non-Residential Building Optimization Program (Phase IX) 2022-2023

K.21.1 2022-2023 North Carolina Non-Residential Building Optimization Program (Phase IX) Annual Indicator Tables

NC - Non-Residential Building Optimization Program Category	Measure	Indicator	2022 Total	2023 Total	2022-2023 Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)			
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$9,639	$29,044	$38,684
Costs ($)		Planned	$28,217	$62,380	$90,597
Costs ($)		Variance	-$18,577	-$33,336	-$51,913
		Annual % of Planned	34%	47%	43%
Participants[1]		Total (Gross)	0	0	0
		Planned	2	2	4
		Variance	-2	-2	-4
		Annual % of Planned (Gross)	0%	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)	329,193	329,193	658,386
		Annual % Toward Planned Net Savings	0%	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)	33.2	33.2	66.4
		Annual % Toward Planned Net Reduction	0%	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
		Realization Rate Weighted by Measure	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	0.0
		Planned Net Savings (kW)	174.8	174.8	349.5
		Annual % Toward Planned Net Reduction	-	-	0%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	N/A
		$Admin. per kWh/year (Gross)	N/A	N/A	N/A
		$Admin. per kW (Gross)	N/A	N/A	N/A
		$EM&V per $Total	22.8%	19.7%	19.7%
		$Rebate per Participant (Gross)	N/A	N/A	N/A

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K.21.2 2023 North Carolina Non-Residential Building Optimization Program (Phase IX) Monthly Indicator Tables

NC - Non-Residential Building Optimization Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$117	$114	$128	$152	$151	$166	$162	$140	$101	$160	$130	$440	$1,962
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$1,726	$1,694	$1,892	$2,256	$2,240	$2,463	$2,395	$2,068	$1,495	$2,375	$1,928	$6,511	$29,044
Costs ($)		Planned	$4,159	$4,159	$4,159	$4,159	$4,159	$4,159	$6,238	$6,238	$6,238	$6,238	$6,238	$6,238	$62,380
Costs ($)		Variance	-$2,432	-$2,465	-$2,267	-$1,902	-$1,919	-$1,695	-$3,843	-$4,170	-$4,743	-$3,863	-$4,310	$273	-$33,336
		Annual % of Planned	2.8%	5.5%	8.5%	12.1%	15.7%	19.7%	23.5%	26.8%	29.2%	33.0%	36.1%	46.6%	47%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned	2	0	0	0	0	0	0	0	0	0	0	0	2
		Variance	-2	0	0	0	0	0	0	0	0	0	0	0	-2
		Annual % of Planned (Gross)	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
		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)	329,193	0	0	0	0	0	0	0	0	0	0	0	329,193
		Annual % Toward Planned Net Savings	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
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	33.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.2
		Annual % Toward Planned Net Reduction	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
		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)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Planned Net Savings (kW)	174.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174.8
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$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
		$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
		$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
		$EM&V per $Total	21.5%	20.3%	20.4%	21.7%	22.9%	24.6%	24.9%	24.1%	23.8%	23.1%	22.6%	19.7%	19.7%
		$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.22 North Carolina Non-Residential Building Automation Program (Phase IX) 2022-2023

K.22.1 2022-2023 North Carolina Non-Residential Building Automation Program (Phase IX) Annual Indicator Tables

NC - Non-Residential Building Automation Program			2022	2023	2022-2023
Category	Measure	Indicator	Total	Total	Total
O&M ($)		Direct Rebate			
O&M ($)		Direct Implementation			
O&M ($)		Direct EM&V			
O&M ($)		Indirect Other (Administrative)			
Capital ($)		Direct Implementation	$0	$0	$0
Costs ($)		Total	$9,301	$22,806	$32,107
Costs ($)		Planned	$24,635	$54,138	$78,773
Costs ($)		Variance	-$15,334	-$31,332	-$46,666
		Annual % of Planned	38%	42%	41%
Participants[1]		Total (Gross)	0	0	0
		Planned	2	2	4
		Variance	-2	-2	-4
		Annual % of Planned (Gross)	0%	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)	269,998	269,998	539,996
		Annual % Toward Planned Net Savings	0%	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)	27.2	27.2	54.5
		Annual % Toward Planned Net Reduction	0%	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
		Realization Rate Weighted by Measure	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	0.0
		Planned Net Savings (kW)	143.3	143.3	286.7
		Annual % Toward Planned Net Reduction	-	-	0%
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	N/A
		$Admin. per kWh/year (Gross)	N/A	N/A	N/A
		$Admin. per kW (Gross)	N/A	N/A	N/A
		$EM&V per $Total	4.5%	5.3%	5.3%
		$Rebate per Participant (Gross)	N/A	N/A	N/A

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K.22.2 2023 North Carolina Non-Residential Building Automation Program (Phase IX) Monthly Indicator Tables

NC - Non-Residential Building Automation Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$142	$127	$125	$127	$142	$124	$124	$126	$125	$125	$129	$126	$1,541
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$2,107	$1,873	$1,854	$1,879	$2,107	$1,828	$1,839	$1,862	$1,845	$1,846	$1,903	$1,863	$22,806
Costs ($)		Planned	$3,609	$3,609	$3,609	$3,609	$3,609	$3,609	$5,414	$5,414	$5,414	$5,414	$5,414	$5,414	$54,138
Costs ($)		Variance	-$1,502	-$1,736	-$1,755	-$1,730	-$1,502	-$1,781	-$3,575	-$3,552	-$3,569	-$3,568	-$3,511	-$3,551	-$31,332
		Annual % of Planned	3.9%	7.4%	10.8%	14.2%	18.1%	21.5%	24.9%	28.4%	31.8%	35.2%	38.7%	42.1%	42%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned	2	0	0	0	0	0	0	0	0	0	0	0	2
		Variance	-2	0	0	0	0	0	0	0	0	0	0	0	-2
		Annual % of Planned (Gross)	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
		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)	269,998	0	0	0	0	0	0	0	0	0	0	0	269,998
		Annual % Toward Planned Net Savings	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
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2
		Annual % Toward Planned Net Reduction	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
		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)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Planned Net Savings (kW)	143.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143.3
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$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
		$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
		$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
		$EM&V per $Total	6.3%	6.1%	5.7%	5.6%	6.6%	6.2%	5.9%	5.7%	5.5%	5.4%	5.4%	5.3%	5.3%
		$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.23 North Carolina Non-Residential Engagement Program (Phase XI) 2023

K.23.1 2023 North Carolina Non-Residential Engagement Program (Phase XI) Monthly Indicator Tables

NC - Non-Residential Engagement Program			2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023
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)	$164	$158	$9	$163	$168	$186	$164	$165	$164	$180	$177	$623	$2,319
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$2,423	$2,332	$133	$2,410	$2,483	$2,753	$2,422	$2,444	$2,429	$2,668	$2,617	$9,214	$34,327
Costs ($)		Planned	$5,935	$5,935	$5,935	$5,935	$5,935	$5,935	$8,903	$8,903	$8,903	$8,903	$8,903	$8,903	$89,027
Costs ($)		Variance	-$3,512	-$3,603	-$5,803	-$3,525	-$3,452	-$3,182	-$6,480	-$6,459	-$6,474	-$6,234	-$6,286	$311	-$54,700
		Annual % of Planned	2.7%	5.3%	5.5%	8.2%	11.0%	14.1%	16.8%	19.5%	22.3%	25.3%	28.2%	38.6%	39%
Participants[1]		Total (Gross)	0	0	0	0	0	0	0	0	0	0	0	0	0
		Planned	3	0	0	0	0	0	0	0	0	0	0	0	3
		Variance	-3	0	0	0	0	0	0	0	0	0	0	0	-3
		Annual % of Planned (Gross)	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
		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)	220,865	0	0	0	0	0	0	0	0	0	0	0	220,865
		Annual % Toward Planned Net Savings	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
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3
		Annual % Toward Planned Net Reduction	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
		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)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Planned Net Savings (kW)	117.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.3
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$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
		$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
		$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
		$EM&V per $Total	4.1%	3.9%	4.1%	3.9%	4.3%	4.1%	3.9%	3.8%	3.7%	3.5%	3.5%	2.9%	2.9%
		$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.24 North Carolina Residential Smart Cooling Rewards Program (Phase I) 2011–2023

K.24.1 2011–2023 North Carolina Residential Smart Cooling Rewards Program (Phase I) Annual Indicator Tables

NC - Residential Smart Cooling Rewards Program Category	Measure	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2022 Total	2023 Total	2011-2023 Total
O&M ($)		Direct Rebate														
O&M ($)		Direct Implementation														
O&M ($)		Direct EM&V														
O&M ($)		Indirect Other (Administrative)														
Capital ($)		Direct Implementation	$0	$536,949	$120,863	$103,000	$46,303	$28,034	$1,175	$4,575	$19,125	$2,250	$150	$75	$0	$862,499
Costs ($)		Total	$269,383	$696,052	$440,722	$441,315	$315,550	$279,602	$238,761	$239,609	$244,525	$223,870	$198,710	$199,147	$105,686	$3,892,933
Costs ($)		Planned	$403,525	$800,702	$662,709	$609,423	$649,694	$549,799	$584,160	$453,453	$484,114	$497,320	$288,782	$278,967	$99,334	$6,361,981
Costs ($)		Variance	-$134,142	-$104,650	-$221,987	-$168,108	-$334,143	-$270,197	-$345,400	-$213,844	-$239,589	-$273,449	-$90,071	-$79,820	$6,352	-$2,469,048
		Annual % of Planned	67%	87%	67%	72%	49%	51%	41%	53%	51%	45%	69%	71%	106%	61%
Participants[1]		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	6,289	0	0
		Removals (Uninstalled) / Deactivations	1	260	608	1,082	1,711	2,143	2,285	2,901	3,186	3,489	3,807	3,965	0	0
		Opt-outs	9	1	1	1	4	13	1	1	1	1	0	0	0	0
		Adjusted Participants (Cum.)	993	2,592	3,535	4,177	3,916	3,720	3,606	3,068	3,061	2,790	2,480	2,324	0	0
		In Service Rate Adjustment (Cum.)	40	104	141	167	0	0	0	0	0	0	0	0	0	0
		Net Participation (Cum.)	953	2,489	3,394	4,010	3,916	3,720	3,606	3,068	3,061	2,790	2,480	2,324	0	0
		Planned (Cum.)	1,230.0	3,198.0	5,090.0	6,094.0	4,840.0	3,920.0	5,963.0	4,732.0	4,234.0	4,234.0	4,275.0	3,645.0	0.0	0.0
		Variance (Cum.)	-276.8	-709.5	-1,696.1	-2,083.9	-923.5	-200.0	-2,357.0	-1,664.0	-1,173.0	-1,444.0	-1,795.0	-1,321.0	0.0	0.0
		Cum % Toward Planned Total (Net Basis)	77.5%	77.8%	66.7%	65.8%	80.9%	94.9%	60.5%	64.8%	72.3%	65.9%	58.0%	63.8%	N/A	N/A
		Average % Opt-outs (Rate)	0.91%	0.03%	0.02%	0.02%	0.09%	0.36%	0.03%	0.03%	0.03%	0.03%	0.01%	0.01%	0.00%	0.00%
		Connected Load kW	2,084.25	11,398.30	12,956.71	15,571.71	15,654.03	14,186.69	13,419.49	12,068.82	11,479.06	11,267.09	10,159.98	9,356.63	0.00	0
		Ex-Ante Estimated kW	1.00	1.09	0.95	0.78	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.49	0.00	0.00
		Connected Load Per Participant (kW)	2.19	4.58	3.82	3.88	4.00	3.81	3.72	3.93	3.75	4.04	4.10	4.03	N/A	N/A
Summer kW Potential		Summer Peak Shaving Potential kW - Gross Participants	1,103	3,138	4,558	3,682	3,998	5,687	4,006	3,745	3,911	3,980	3,353	3,107	0	0
		Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	1	286	669	757	1,215	2,079	1,554	1,820	1,994	2,212	2,031	1,959	0	0
		Less Opt-outs (kW)	10	1	1	1	3	13	1	1	1	1	0	0	0	0
		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	1,148	0	0
		In Service Rate Adjustment (Cum.)	44	114	156	117	0	0	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	1,148	0	0
		Planned Summer Demand (Cum.)	0	1,323	3,181	4,912	4,081	4,157	5,392	3,220	2,664	2,664	2,280	1,943	0	0
		Cum. % Toward Planned Total (Net Basis)	99.64%	89.74%	60.41%	44.66%	57.45%	86.49%	45.46%	59.77%	71.92%	66.37%	58.00%	59.10%	N/A	N/A
		Dispatchable Summer Peak Shaving Potential kW per Participant	1.22	1.10	0.86	0.65	0.71	0.97	0.68	0.63	0.63	0.63	0.53	0.49	0.00	0.00
Measures																
No measures available																
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$20	$13	$16	$15	$15	$16	$18	$20	$20	$22	$23	$25	N/A	N/A
		$Admin. per kW (Gross)	$18	$12	$15	$22	$22	$17	$26	$31	$32	$35	$44	$50	N/A	N/A
		$EM&V per $Total	1.4%	0.7%	0.9%	1.0%	1.1%	1.7%	1.9%	2.1%	2.3%	2.3%	2.5%	2.6%	2.7%	2.7%
		$Rebate per Participant (Gross)	$1	$36	$55	$74	$96	$116	$140	$158	$170	$188	$202	$215	N/A	N/A

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K.24.2 2023 North Carolina Residential Smart Cooling Rewards Program (Phase I) Monthly Indicator Tables

NC - Residential Smart Cooling Rewards Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$672	$586	$662	$567	$577	$668	$617	$555	$602	$537	$517	$580	**$7,141**
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$0**
Costs ($)		Total	$9,947	$8,669	$9,802	$8,398	$8,539	$9,888	$9,130	$8,215	$8,917	$7,951	$7,652	$8,577	**$105,686**
Costs ($)		Planned	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	$8,278	**$99,334**
Costs ($)		Variance	$1,669	$391	$1,524	$121	$261	$1,611	$852	-$63	$639	-$326	-$626	$299	**$6,352**
		Annual % of Planned	10.0%	18.7%	28.6%	37.1%	45.7%	55.6%	64.8%	73.1%	82.1%	90.1%	97.8%	106.4%	**106%**
Participants[1]		Total (Cumulative @ End of Month)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Removals (Uninstalled) / Deactivations	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Opt-outs	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Adjusted Participants (Cum.)	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**
		Net Participation (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned (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	**0.0**
		Variance (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	**0.0**
		Cum % Toward Planned Total (Net Basis)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Average % Opt-outs (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%**
		Connected Load kW													**0.00**
		Ex-Ante Estimated 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**
		Connected Load 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**
Summer kW Potential		Summer Peak Shaving Potential kW - Gross Participants	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	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**
		Dispatchable Summer Peak Shaving Potential - Total kW	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**
		Net Summer Demand (Cum.)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
		Planned Summer Demand (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**
		Cum. % Toward Planned Total (Net Basis)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**N/A**
		Dispatchable Summer 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**
Cumulative Annual Program Perfomance		$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**
		$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**
		$EM&V per $Total	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	**2.7%**
		$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.25 North Carolina Residential Thermostat Rewards Program (Phase VIII) 2021-2023

K.25.1 2021–2023 North Carolina Residential Thermostat Rewards Program (Phase VIII) Annual Indicator Tables

NC - Residential Smart Thermostat Rewards Program Category	Measure	Indicator	2021 Total	2022 Total	2023 Total	2021-2023 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)				
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$18,350	$44,643	$56,984	$119,978
Costs ($)		Planned	$95,307	$101,201	$110,439	$306,947
Costs ($)		Variance	-$76,957	-$56,558	-$53,455	-$186,969
		Annual % of Planned	19%	44%	52%	39%
Participants[1]		Total (Cumulative @ End of Month)	86	243	658	658
		Removals (Uninstalled) / Deactivations	15	45	128	128
		Opt-outs	0	0	0	0
		Adjusted Participants (Cum.)	71	198	530	530
		Net Participation (Cum.)	71	198	530	530
		Planned (Cum.)	408.0	1,240.0	1,790.0	1,790.0
		Variance (Cum.)	-337.0	-1,042.0	-1,260.0	-1,260.0
		Cum % Toward Planned Total (Net Basis)	17.4%	16.0%	29.6%	29.6%
		Average % Opt-outs (Rate)	0.00%	0.00%	0.00%	0.00%
		Ex-Ante Estimated kW	1.07	0.94	1.16	1.16
Summer kW Potential		Summer Peak Shaving Potential kW - Gross Participants	92	228	760	760
		Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	16	42	148	148
		Dispatchable Summer Peak Shaving Potential - Total kW	76	186	612	612
		Net Summer Demand (Cum.)	76	186	612	612
		Planned Summer Demand (Cum.)	649	1,972	2,846	2,846
		Cum. % Toward Planned Total (Net Basis)	11.66%	9.44%	21.52%	21.52%
		Dispatchable Summer Peak Shaving Potential kW per Participant	1.07	0.94	1.16	1.16
Measures						
No measures available						
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$10	$11	$10	$10
		$Admin. per kW (Gross)	$9	$12	$9	$9
		$EM&V per $Total	9.0%	19.5%	16.4%	16.4%
		$Rebate per Participant (Gross)	$18	$21	$20	$20

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K.25.2 2023 North Carolina Residential Thermostat Rewards Program (Phase VIII) Monthly Indicator Tables

NC - Residential Smart Thermostat Rewards Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 Total
O&M ($)		Direct Rebate													
O&M ($)		Direct Implementation													
O&M ($)		Direct EM&V													
O&M ($)		Indirect Other (Administrative)	$169	$176	$195	$208	$225	$222	$149	$133	$144	$148	$165	$1,917	$3,850
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$2,497	$2,608	$2,889	$3,082	$3,325	$3,280	$2,204	$1,972	$2,128	$2,185	$2,447	$28,367	$56,984
Costs ($)		Planned	$7,363	$7,363	$7,363	$7,363	$7,363	$7,363	$11,044	$11,044	$11,044	$11,044	$11,044	$11,044	$110,439
Costs ($)		Variance	-$4,865	-$4,754	-$4,473	-$4,280	-$4,037	-$4,083	-$8,840	-$9,072	-$8,916	-$8,859	-$8,597	$17,323	-$53,455
		Annual % of Planned	2.3%	4.6%	7.2%	10.0%	13.0%	16.0%	18.0%	19.8%	21.7%	23.7%	25.9%	51.6%	52%
Participants[1]		Total (Cumulative @ End of Month)	254	262	278	292	313	352	380	483	514	564	586	658	658
		Removals (Uninstalled) / Deactivations	45	46	47	48	50	62	88	96	112	117	124	128	128
		Opt-outs	0	0	0	0	0	0	0	0	0	0	0	0	0
		Adjusted Participants (Cum.)	209	216	231	244	263	290	292	387	402	447	462	530	530
		Net Participation (Cum.)	209	216	231	244	263	290	292	387	402	447	462	530	530
		Planned (Cum.)	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0	1,790.0
		Variance (Cum.)	-1,581.0	-1,574.0	-1,559.0	-1,546.0	-1,527.0	-1,500.0	-1,498.0	-1,403.0	-1,388.0	-1,343.0	-1,328.0	-1,260.0	-1,260.0
		Cum % Toward Planned Total (Net Basis)	11.7%	12.1%	12.9%	13.6%	14.7%	16.2%	16.3%	21.6%	22.5%	25.0%	25.8%	29.6%	29.6%
		Average % Opt-outs (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%
		Ex-Ante Estimated kW	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Summer kW Potential		Summer Peak Shaving Potential kW - Gross Participants	293	303	321	337	362	407	439	558	594	652	677	760	760
		Removed (Uninstalled) / Deactivated Summer Peak Shaving Potential kW	52	53	54	55	58	72	102	111	129	135	143	148	148
		Dispatchable Summer Peak Shaving Potential - Total kW	241	250	267	282	304	335	337	447	465	517	534	612	612
		Net Summer Demand (Cum.)	241	250	267	282	304	335	337	447	465	517	534	612	612
		Planned Summer Demand (Cum.)	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846.1	2,846
		Cum. % Toward Planned Total (Net Basis)	8.49%	8.77%	9.38%	9.91%	10.68%	11.77%	11.86%	15.71%	16.32%	18.15%	18.76%	21.52%	21.52%
		Dispatchable Summer Peak Shaving Potential kW per Participant	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$11	$12	$12	$12	$12	$11	$11	$9	$8	$8	$8	$10	$10
		$Admin. per kW (Gross)	$10	$10	$10	$10	$10	$10	$9	$8	$7	$7	$7	$9	$9
		$EM&V per $Total	19.7%	20.0%	20.6%	21.4%	22.3%	22.5%	22.4%	22.0%	21.7%	21.6%	21.2%	16.4%	16.4%
		$Rebate per Participant (Gross)	$20	$20	$19	$18	$17	$15	$14	$11	$10	$9	$9	$20	$20

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K.26 North Carolina Residential Lighting Program (Phase I) 2011–2012

K.26.1 2011-2012 North Carolina Residential Lighting Program (Phase I) Annual Indicator Tables

NC - Residential Lighting Program			2011	2012	2010-2011	2011-2012
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)				
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		Total	$77,419	$9,705	$77,419	$87,124
Costs ($)		Planned	$125,612	$20,779	$125,612	$146,391
Costs ($)		Variance	-$48,193	-$11,074	-$48,193	-$59,267
		Annual % of Planned	62%	47%	62%	60%
Participants[1]		Total (Gross)	37,120	0	37,120	37,120
		Planned	127,975	0	127,975	127,975
		Variance	-90,855	0	-90,855	-90,855
		Annual % of Planned (Gross)	29%	N/A	29%	29%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,882,829	0	1,882,829	1,882,829
		Realization Rate Weighted by Measure	84%	N/A	84%	84%
		Realization Rate Adjustment (kWh/yr)	-301,253	0	-301,253	-301,253
		Realization Rate Adjusted Savings (kWh/yr)	1,581,577	0	1,581,577	1,581,577
		Net-To-Gross Rate Weighted by Measure	65%	N/A	65%	65%
		Net-To-Gross Adjustment (kWh/yr)	-553,552	0	-553,552	-553,552
		Net Adjusted Savings (kWh/yr)	1,028,025	0	1,028,025	1,028,025
		Planned Net Savings (kWh/yr)	3,585,903	0	3,585,903	3,585,903
		Annual % Toward Planned Net Savings	28.7%	N/A	28.7%	28.7%
		Avg. Gross Savings per Participant (kWh/yr)	51	N/A	51	51
		Avg. Net Savings per Participant (kWh/yr)	28	N/A	28	28
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	204.8	0.0	204.8	204.8
		Realization Rate Weighted by Measure	84%	N/A	84%	84%
		Realization Rate Adjustment (kW)	-32.8	0.0	-32.8	-32.8
		Realization Rate Adjusted Gross Demand Reduction (kW)	172.1	0.0	172.1	172.1
		Net-To-Gross Rate Weighted by Measure	65%	N/A	65%	65%
		Net-To-Gross Adjustment (kW)	-71.7	0.0	-71.7	-71.7
		Net Adjusted Demand Reduction (kW)	111.8	0.0	111.8	111.8
		Planned Net Savings (kW)	297.8	0.0	297.8	297.8
		Annual % Toward Planned Net Reduction	37.6%	N/A	37.6%	37.6%
		Avg. Gross Demand Reduction per Participant (kW)	0.01	N/A	0.01	0.01
		Avg. Net Demand Reduction per Participant (kW)	0.00	N/A	0.00	0.00
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	0.0	0.0
		Realization Rate Weighted by Measure	-	-	N/A	N/A
		Realization Rate Adjustment (kW)	-	-	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	0.0	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	N/A	N/A
		Net-To-Gross Adjustment (kW)	-	-	0.0	0.0
		Net Adjusted Demand Reduction (kW)	-	-	0.0	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	N/A	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$0	$0	$0	$0
		$Admin. per kWh/year (Gross)	$0.00	$0.00	$0.00	$0.00
		$Admin. per kW (Gross)	$29	$34	$29	$34
		$EM&V per $Total	3.7%	5.2%	3.7%	5.2%
		$Rebate per Participant (Gross)	$1	$1	$1	$1

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K.26.2 2011-2012 North Carolina Residential Lighting Program (Phase I) Measure Indicator Tables

NC - Residential Lighting Program			2011	2012	2010-2011	2011-2012
Category	Measure	Indicator	Total	Total	Total	Total
	Not Available	Total Participants	37,120		37,120	37,120
Installed kWh/year	Not Available	Total Gross Energy Savings (kWh/yr)	1,882,829		1,882,829	1,882,829
	Not Available	Realization Rate	84%	N/A	84%	84%
	Not Available	Net-To-Gross Rate	65%	N/A	65%	65%
	Not Available	Net Adjusted Savings (kWh/yr)	1,028,025		1,028,025	1,028,025
	Not Available	Avg. Gross Savings per Participant (kWh/yr)	51	N/A	51	51
	Not Available	Avg. Net Savings per Participant (kWh/yr)	28	N/A	28	28
Installed Summer peak kW	Not Available	Total Gross Demand Reduction (kW)	204.8		204.8	204.8
	Not Available	Realization Rate	84%	N/A	84%	84%
	Not Available	Net-To-Gross Rate	65%	N/A	65%	65%
	Not Available	Net Adjusted Demand Reduction (kW)	111.8		111.8	111.8
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	0.01	N/A	0.01	0.01
	Not Available	Avg. Net Demand Reduction per Participant (kW)	0.00	N/A	0.00	0.00
Installed Winter peak kW	Not Available	Total Gross Demand Reduction (kW)	-	-	0.0	0.0
	Not Available	Realization Rate	-	-	N/A	N/A
	Not Available	Net-To-Gross Rate	-	-	N/A	N/A
	Not Available	Net Adjusted Demand Reduction (kW)	-	-	0.0	0.0
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Not Available	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-

1. Program closed end of 2012.

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K.27 North Carolina Residential Low Income Program (Phase I) 2011–2015

K.27.1 2011-2015 North Carolina Residential Low Income Program (Phase I) Annual Indicator Tables

NC - Residential Low Income Program Category	Measure	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2015 Total	2011-2015 Total
O&M ($)		Direct Rebate						
O&M ($)		Direct Implementation						
O&M ($)		Direct EM&V						
O&M ($)		Indirect Other (Administrative)						
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0
Costs ($)		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
		Annual % of Planned	88%	36%	72%	90%	77%	69%
Participants[1]		Total (Gross)	207	156	120	120	653	1,256
		Planned	325	519	33	132	600	1,609
		Variance	-118	-363	87	-12	53	-353
		Annual % of Planned (Gross)	64%	30%	364%	91%	109%	78%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	225,663	183,162	106,958	102,573	537,503	1,155,859
		Realization Rate Weighted by Measure	47%	47%	75%	62%	62%	58%
		Realization Rate Adjustment (kWh/yr)	-119,601	-97,076	-26,739	-38,978	-204,251	-486,646
		Realization Rate Adjusted Savings (kWh/yr)	106,062	86,086	80,218	63,595	333,252	669,213
		Net-To-Gross Rate Weighted by Measure	94%	94%	94%	94%	94%	94%
		Net-To-Gross Adjustment (kWh/yr)	-6,788	-5,510	-5,134	-4,070	-21,328	-42,830
		Net Adjusted Savings (kWh/yr)	99,274	80,576	75,084	59,525	311,924	626,384
		Planned Net Savings (kWh/yr)	134,347	195,653	85,480	106,694	1,170,600	1,692,774
		Annual % Toward Planned Net Savings	73.9%	41.2%	87.8%	55.8%	26.6%	37.0%
		Avg. Gross Savings per Participant (kWh/yr)	1,090	1,174	891	855	823	920
		Avg. Net Savings per Participant (kWh/yr)	480	517	626	496	478	499
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	40.9	36.2	26.7	23.0	127.6	254.5
		Realization Rate Weighted by Measure	47%	47%	75%	62%	62%	59%
		Realization Rate Adjustment (kW)	-21.7	-19.2	-6.7	-8.7	-48.5	-104.8
		Realization Rate Adjusted Gross Demand Reduction (kW)	19.2	17.0	20.0	14.2	79.1	149.7
		Net-To-Gross Rate Weighted by Measure	94%	94%	94%	94%	94%	94%
		Net-To-Gross Adjustment (kW)	-2.6	-2.3	-1.7	-1.5	-8.2	-16.3
		Net Adjusted Demand Reduction (kW)	18.0	15.9	18.8	13.3	74.1	140.1
		Planned Net Savings (kW)	23.0	38.0	16.0	16.0	54.6	147.6
		Annual % Toward Planned Net Reduction	78.3%	41.9%	117.3%	83.2%	135.7%	94.9%
		Avg. Gross Demand Reduction per Participant (kW)	0.2	0.2	0.2	0.2	0.2	0.2
		Avg. Net Demand Reduction per Participant (kW)	0.09	0.1	0.2	0.1	0.1	0.1
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$100	$119	$122	$113	$74	$74
		$Admin. per kWh/year (Gross)	$0.09	$0	$0	$0	$0.08	$0.08
		$Admin. per kW (Gross)	$503	$562	$566	$535	$365	$365
		$EM&V per $Total	2.3%	2.5%	3.0%	3.0%	1.7%	1.7%
		$Rebate per Participant (Gross)	$1,067	$1,033	$1,028	$1,031	$1,062	$1,062

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K.27.2 2011-2015 North Carolina Residential Low Income Program (Phase I) Measure Indicator Tables

NC - Residential Low Income Program			2011	2012	2013	2014	2015	2011-2015
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Attic Insulation	Total Participants	148	106	90	98	386	828
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	108,409	104,363	60,126	44,216	205,799	522,912
	Attic Insulation	Realization Rate	47%	47%	75%	62%	62%	57%
	Attic Insulation	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Attic Insulation	Net Adjusted Savings (kWh/yr)	47,691	45,911	42,208	25,659	119,429	280,899
	Attic Insulation	Avg. Gross Savings per Participant (kWh/yr)	732	985	668	451	533	632
	Attic Insulation	Avg. Net Savings per Participant (kWh/yr)	322	433	469	262	309	339
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	28.0	27.2	21.5	15.8	87.4	179.8
	Attic Insulation	Realization Rate	47%	47%	75%	62%	62%	59%
	Attic Insulation	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Attic Insulation	Net Adjusted Demand Reduction (kW)	12.3	12.0	15.1	9.1	50.7	99.2
	Attic Insulation	Avg. Gross Demand Reduction per Participant (kW)	0.2	0.3	0.2	0.2	0.2	0.2
	Attic Insulation	Avg. Net Demand Reduction per Participant (kW)	0.08	0.1	0.2	0.09	0.1	0.1
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Attic Insulation	Realization Rate	-	-	-	-	-	N/A
	Attic Insulation	Net-To-Gross Rate	-	-	-	-	-	N/A
	Attic Insulation	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Attic Insulation	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Attic Insulation	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Central AC Filter	Total Participants	26	29	17	16	186	274
Installed kWh/year	Central AC Filter	Total Gross Energy Savings (kWh/yr)	1,374	1,221	934	1,139	4,192	8,860
	Central AC Filter	Realization Rate	47%	47%	75%	62%	62%	59%
	Central AC Filter	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Central AC Filter	Net Adjusted Savings (kWh/yr)	605	537	656	661	2,433	4,891
	Central AC Filter	Avg. Gross Savings per Participant (kWh/yr)	53	42	55	71	23	32
	Central AC Filter	Avg. Net Savings per Participant (kWh/yr)	23	19	39	41	13	18
Installed Summer peak kW	Central AC Filter	Total Gross Demand Reduction (kW)	0.9	0.8	0.6	0.8	3.5	6.6
	Central AC Filter	Realization Rate	47%	47%	75%	62%	62%	59%
	Central AC Filter	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Central AC Filter	Net Adjusted Demand Reduction (kW)	0.4	0.3	0.4	0.5	2.0	3.6
	Central AC Filter	Avg. Gross Demand Reduction per Participant (kW)	0.03	0.03	0.03	0.05	0.02	0.02
	Central AC Filter	Avg. Net Demand Reduction per Participant (kW)	0.01	0.01	0.02	0.03	0.01	0.01
Installed Winter peak kW	Central AC Filter	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Central AC Filter	Realization Rate	-	-	-	-	-	N/A
	Central AC Filter	Net-To-Gross Rate	-	-	-	-	-	N/A
	Central AC Filter	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Central AC Filter	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Central AC Filter	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	CFL	Total Participants	33	21	1	3	80	138
Installed kWh/year	CFL	Total Gross Energy Savings (kWh/yr)	37,287	30,079	2,449	17,443	88,661	175,920
	CFL	Realization Rate	47%	47%	75%	62%	62%	56%
	CFL	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	CFL	Net Adjusted Savings (kWh/yr)	16,403	13,233	1,719	10,123	51,452	92,929
	CFL	Avg. Gross Savings per Participant (kWh/yr)	1,130	1,432	2,449	5,814	1,108	1,275
	CFL	Avg. Net Savings per Participant (kWh/yr)	497	630	1,719	3,374	643	673
Installed Summer peak kW	CFL	Total Gross Demand Reduction (kW)	4.1	3.3	0.3	2.1	11.1	20.8
	CFL	Realization Rate	47%	47%	75%	62%	62%	57%
	CFL	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	CFL	Net Adjusted Demand Reduction (kW)	1.8	1.4	0.2	1.2	6.4	11.1
	CFL	Avg. Gross Demand Reduction per Participant (kW)	0.1	0.2	0.3	0.7	0.1	0.2
	CFL	Avg. Net Demand Reduction per Participant (kW)	0.05	0.07	0.2	0.4	0.08	0.08
Installed Winter peak kW	CFL	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0

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NC - Residential Low Income Program			2011	2012	2013	2014	2015	2011-2015
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	CFL	Realization Rate	-	-	-	-	-	N/A
	CFL	Net-To-Gross Rate	-	-	-	-	-	N/A
	CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Duct Sealing	Total Participants	0	0	0	0	0	0
Installed kWh/year	Duct Sealing	Total Gross Energy Savings (kWh/yr)	249	26	0	53	2,282	2,610
	Duct Sealing	Realization Rate	47%	47%	N/A	62%	62%	60%
	Duct Sealing	Net-To-Gross Rate	94%	94%	N/A	94%	94%	94%
	Duct Sealing	Net Adjusted Savings (kWh/yr)	110	11	0	31	1,324	1,476
	Duct Sealing	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Duct Sealing	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	0.2	0.0	0.0	0.1	2.6	2.9
	Duct Sealing	Realization Rate	47%	47%	N/A	62%	62%	61%
	Duct Sealing	Net-To-Gross Rate	94%	94%	N/A	94%	94%	94%
	Duct Sealing	Net Adjusted Demand Reduction (kW)	0.1	0.0	0.0	0.1	1.5	1.7
	Duct Sealing	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Duct Sealing	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Duct Sealing	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Duct Sealing	Realization Rate	-	-	-	-	-	N/A
	Duct Sealing	Net-To-Gross Rate	-	-	-	-	-	N/A
	Duct Sealing	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Duct Sealing	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Duct Sealing	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Envelope Sealing	Total Participants	0	0	12	3	1	16
Installed kWh/year	Envelope Sealing	Total Gross Energy Savings (kWh/yr)	5,541	4,614	3,905	5,078	25,538	44,676
	Envelope Sealing	Realization Rate	47%	47%	75%	62%	62%	60%
	Envelope Sealing	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Envelope Sealing	Net Adjusted Savings (kWh/yr)	2,438	2,030	2,741	2,947	14,820	24,976
	Envelope Sealing	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	325	1,693	25,538	2,792
	Envelope Sealing	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	228	982	14,820	1,561
Installed Summer peak kW	Envelope Sealing	Total Gross Demand Reduction (kW)	0.9	0.7	0.5	0.7	2.6	5.5
	Envelope Sealing	Realization Rate	47%	47%	75%	62%	62%	59%
	Envelope Sealing	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Envelope Sealing	Net Adjusted Demand Reduction (kW)	0.4	0.3	0.4	0.4	1.5	3.0
	Envelope Sealing	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	0.05	0.2	2.6	0.3
	Envelope Sealing	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	0.03	0.1	1.5	0.2
Installed Winter peak kW	Envelope Sealing	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Envelope Sealing	Realization Rate	-	-	-	-	-	N/A
	Envelope Sealing	Net-To-Gross Rate	-	-	-	-	-	N/A
	Envelope Sealing	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Envelope Sealing	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Envelope Sealing	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Low Flow Showerhead	Total Participants	0	0	0	0	0	0
Installed kWh/year	Low Flow Showerhead	Total Gross Energy Savings (kWh/yr)	45,890	21,056	22,675	18,086	121,205	228,912
	Low Flow Showerhead	Realization Rate	47%	47%	75%	62%	62%	59%
	Low Flow Showerhead	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Low Flow Showerhead	Net Adjusted Savings (kWh/yr)	20,188	9,263	15,918	10,496	70,338	126,202
	Low Flow Showerhead	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Low Flow Showerhead	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Low Flow Showerhead	Total Gross Demand Reduction (kW)	3.8	1.7	1.9	1.5	10.0	18.9
	Low Flow Showerhead	Realization Rate	47%	47%	75%	62%	62%	59%

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NC - Residential Low Income Program			2011	2012	2013	2014	2015	2011-2015
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total
	Low Flow Showerhead	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Low Flow Showerhead	Net Adjusted Demand Reduction (kW)	1.7	0.8	1.3	0.9	5.8	10.4
	Low Flow Showerhead	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Low Flow Showerhead	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Low Flow Showerhead	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Low Flow Showerhead	Realization Rate	-	-	-	-	-	N/A
	Low Flow Showerhead	Net-To-Gross Rate	-	-	-	-	-	N/A
	Low Flow Showerhead	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Low Flow Showerhead	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Low Flow Showerhead	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Water Heater Turndown	Total Participants	0	0	0	0	0	0
Installed kWh/year	Water Heater Turndown	Total Gross Energy Savings (kWh/yr)	26,912	21,802	16,869	16,558	89,826	171,967
	Water Heater Turndown	Realization Rate	47%	47%	75%	62%	62%	59%
	Water Heater Turndown	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Water Heater Turndown	Net Adjusted Savings (kWh/yr)	11,839	9,591	11,842	9,609	52,128	95,009
	Water Heater Turndown	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Water Heater Turndown	Total Gross Demand Reduction (kW)	3.1	2.5	2.0	1.9	10.5	20.0
	Water Heater Turndown	Realization Rate	47%	47%	75%	62%	62%	59%
	Water Heater Turndown	Net-To-Gross Rate	94%	94%	94%	94%	94%	94%
	Water Heater Turndown	Net Adjusted Demand Reduction (kW)	1.4	1.1	1.4	1.1	6.1	11.1
	Water Heater Turndown	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Water Heater Turndown	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0
	Water Heater Turndown	Realization Rate	-	-	-	-	-	N/A
	Water Heater Turndown	Net-To-Gross Rate	-	-	-	-	-	N/A
	Water Heater Turndown	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0
	Water Heater Turndown	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-
	Water Heater Turndown	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-

1. Program closed end of 2015.

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K.28 North Carolina Residential Heat Pump Tune-up Program (Phase II) 2014–2017

K.28.1 2014-2017 North Carolina Residential Heat Pump Tune-up Program (Phase II) Annual Indicator Tables

NC - Residential Heat Pump Tune-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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	2,777	2,777	1,542	0	7,096
		Variance	-2,196	530	-268	125	-1,809
		Annual % of Planned (Gross)	21%	119%	83%	N/A	75%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	154,857	843,691	322,679	32,050	1,353,277
		Realization Rate Weighted by Measure	99%	99%	99%	99%	99%
		Realization Rate Adjustment (kWh/yr)	-1,549	-8,437	-3,227	-320	-13,533
		Realization Rate Adjusted Savings (kWh/yr)	153,308	835,254	319,453	31,729	1,339,744
		Net-To-Gross Rate Weighted by Measure	90%	90%	90%	90%	90%
		Net-To-Gross Adjustment (kWh/yr)	-15,331	-83,525	-31,945	-3,173	-133,974
		Net Adjusted Savings (kWh/yr)	137,977	751,729	287,507	28,556	1,205,770
		Planned Net Savings (kWh/yr)	2,116,074	2,116,074	174,326	0	4,406,474
		Annual % Toward Planned Net Savings	6.52%	35.5%	164.9%	N/A	27.4%
		Avg. Gross Savings per Participant (kWh/yr)	267	255	253	256	256
		Avg. Net Savings per Participant (kWh/yr)	237	227	226	228	228
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	79.9	625.4	240.5	24.8	970.6
		Realization Rate Weighted by Measure	99%	99%	99%	99%	99%
		Realization Rate Adjustment (kW)	-0.8	-6.3	-2.4	-0.2	-9.7
		Realization Rate Adjusted Gross Demand Reduction (kW)	79.1	619.1	238.1	24.5	960.9
		Net-To-Gross Rate Weighted by Measure	90%	90%	90%	90%	90%
		Net-To-Gross Adjustment (kW)	-8.0	-62.5	-24.1	-2.5	-97.1
		Net Adjusted Demand Reduction (kW)	71.2	557.2	214.3	22.1	864.8
		Planned Net Savings (kW)	638.7	638.7	58.4	0.0	1,335.8
		Annual % Toward Planned Net Reduction	11.1%	87.2%	367.3%	N/A	64.7%
		Avg. Gross Demand Reduction per Participant (kW)	0.1	0.2	0.2	0.2	0.2
		Avg. Net Demand Reduction per Participant (kW)	0.1	0.2	0.2	0.2	0.2
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$5	$5	$5	$5	$5
		$Admin. per kWh/year (Gross)	$0.02	$0.02	$0.02	$0.02	$0.02
		$Admin. per kW (Gross)	$40	$27	$26	$28	$28
		$EM&V per $Total	5.9%	1.9%	2.3%	2.7%	2.7%
		$Rebate per Participant (Gross)	$90	$90	$90	$90	$90

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K.28.2 2014-2017 North Carolina Residential Heat Pump Tune-up Program (Phase II) Measure Indicator Tables

NC - Residential Heat Pump Tune-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Not Available	Total Participants	581	3,307	1,274	125	5,287
Installed kWh/year	Not Available	Total Gross Energy Savings (kWh/yr)	154,857	843,691	322,679	32,050	1,353,277
	Not Available	Realization Rate	99%	99%	99%	99%	99%
	Not Available	Net-To-Gross Rate	90%	90%	90%	90%	90%
	Not Available	Net Adjusted Savings (kWh/yr)	137,977	751,729	287,507	28,556	1,205,770
	Not Available	Avg. Gross Savings per Participant (kWh/yr)	267	255	253	256	256
	Not Available	Avg. Net Savings per Participant (kWh/yr)	237	227	226	228	228
Installed Summer peak kW	Not Available	Total Gross Demand Reduction (kW)	79.9	625.4	240.5	24.8	970.6
	Not Available	Realization Rate	99%	99%	99%	99%	99%
	Not Available	Net-To-Gross Rate	90%	90%	90%	90%	90%
	Not Available	Net Adjusted Demand Reduction (kW)	71.2	557.2	214.3	22.1	864.8
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	0.1	0.2	0.2	0.2	0.2
	Not Available	Avg. Net Demand Reduction per Participant (kW)	0.1	0.2	0.2	0.2	0.2
Installed Winter peak kW	Not Available	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Realization Rate	-	-	-	-	N/A
	Not Available	Net-To-Gross Rate	-	-	-	-	N/A
	Not Available	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Not Available	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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.29 North Carolina Residential Heat Pump Upgrade Program (Phase II) 2014–2017

K.29.1 2014-2017 North Carolina Residential Heat Pump Upgrade Program (Phase II) Annual Indicator Tables

NC - Residential Heat Pump Upgrade Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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	1,200	1,200	252	0	2,652
		Variance	-1,156	-603	413	118	-1,228
		Annual % of Planned (Gross)	4%	50%	264%	N/A	54%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	72,449	282,170	317,574	63,092	735,286
		Realization Rate Weighted by Measure	107%	78%	78%	78%	81%
		Realization Rate Adjustment (kWh/yr)	4,854	-62,078	-69,866	-13,880	-140,970
		Realization Rate Adjusted Savings (kWh/yr)	77,303	220,093	247,708	49,212	594,316
		Net-To-Gross Rate Weighted by Measure	85%	45%	45%	45%	49%
		Net-To-Gross Adjustment (kWh/yr)	-11,595	-121,051	-136,239	-27,067	-295,953
		Net Adjusted Savings (kWh/yr)	65,708	99,042	111,469	22,145	298,363
		Planned Net Savings (kWh/yr)	1,038,000	1,038,000	49,858	0	2,125,858
		Annual % Toward Planned Net Savings	6.33%	9.54%	223.6%	N/A	14.0%
		Avg. Gross Savings per Participant (kWh/yr)	1,647	473	478	535	516
		Avg. Net Savings per Participant (kWh/yr)	1,493	166	168	188	210
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	19.1	57.5	68.7	14.5	159.8
		Realization Rate Weighted by Measure	83%	89%	89%	89%	88%
		Realization Rate Adjustment (kW)	-3.2	-6.3	-7.6	-1.6	-18.7
		Realization Rate Adjusted Gross Demand Reduction (kW)	15.9	51.2	61.1	12.9	141.1
		Net-To-Gross Rate Weighted by Measure	85%	45%	45%	45%	50%
		Net-To-Gross Adjustment (kW)	-2.9	-31.6	-37.8	-8.0	-80.2
		Net Adjusted Demand Reduction (kW)	13.5	23.0	27.5	5.8	69.8
		Planned Net Savings (kW)	348.0	348.0	17.9	0.0	713.9
		Annual % Toward Planned Net Reduction	3.87%	6.62%	153.3%	N/A	9.78%
		Avg. Gross Demand Reduction per Participant (kW)	0.4	0.10	0.1	0.1	0.1
		Avg. Net Demand Reduction per Participant (kW)	0.3	0.04	0.04	0.05	0.05
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$42	$15	$14	$14	$14
		$Admin. per kWh/year (Gross)	$0.03	$0.03	$0.03	$0.03	$0.03
		$Admin. per kW (Gross)	$97	$126	$123	$128	$128
		$EM&V per $Total	34.3%	14.8%	11.2%	11.5%	11.5%
		$Rebate per Participant (Gross)	$223	$213	$217	$218	$218

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K.29.2 2014-2017 North Carolina Residential Heat Pump Upgrade Program (Phase II) Measure Indicator Tables

NC - Residential Heat Pump Upgrade Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Air Source Heat Pump	Total Participants	42	583	654	111	1,390
Installed kWh/year	Air Source Heat Pump	Total Gross Energy Savings (kWh/yr)	69,223	236,898	301,666	51,478	659,265
	Air Source Heat Pump	Realization Rate	107%	78%	78%	78%	81%
	Air Source Heat Pump	Net-To-Gross Rate	85%	45%	45%	45%	49%
	Air Source Heat Pump	Net Adjusted Savings (kWh/yr)	62,782	83,151	105,885	18,069	269,886
	Air Source Heat Pump	Avg. Gross Savings per Participant (kWh/yr)	1,648	406	461	464	474
	Air Source Heat Pump	Avg. Net Savings per Participant (kWh/yr)	1,495	143	162	163	194
Installed Summer peak kW	Air Source Heat Pump	Total Gross Demand Reduction (kW)	17.4	48.1	62.0	11.3	138.8
	Air Source Heat Pump	Realization Rate	83%	89%	89%	89%	88%
	Air Source Heat Pump	Net-To-Gross Rate	85%	45%	45%	45%	50%
	Air Source Heat Pump	Net Adjusted Demand Reduction (kW)	12.3	19.3	24.8	4.5	60.9
	Air Source Heat Pump	Avg. Gross Demand Reduction per Participant (kW)	0.4	0.08	0.09	0.1	0.10
	Air Source Heat Pump	Avg. Net Demand Reduction per Participant (kW)	0.3	0.03	0.04	0.04	0.04
Installed Winter peak kW	Air Source Heat Pump	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Air Source Heat Pump	Realization Rate	-	-	-	-	N/A
	Air Source Heat Pump	Net-To-Gross Rate	-	-	-	-	N/A
	Air Source Heat Pump	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Air Source Heat Pump	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Air Source Heat Pump	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Closed Loop Water To Air	Total Participants	2	11	10	1	24
Installed kWh/year	Geothermal Heat Pump Closed Loop Water To Air	Total Gross Energy Savings (kWh/yr)	3,226	29,854	15,035	2,059	50,174
	Geothermal Heat Pump Closed Loop Water To Air	Realization Rate	107%	78%	78%	78%	80%
	Geothermal Heat Pump Closed Loop Water To Air	Net-To-Gross Rate	85%	45%	45%	45%	48%
	Geothermal Heat Pump Closed Loop Water To Air	Net Adjusted Savings (kWh/yr)	2,926	10,479	5,277	723	19,404
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Gross Savings per Participant (kWh/yr)	1,613	2,714	1,503	2,059	2,091
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Net Savings per Participant (kWh/yr)	1,463	953	528	723	809
Installed Summer peak kW	Geothermal Heat Pump Closed Loop Water To Air	Total Gross Demand Reduction (kW)	1.7	6.4	6.0	0.7	14.8
	Geothermal Heat Pump Closed Loop Water To Air	Realization Rate	83%	89%	89%	89%	88%
	Geothermal Heat Pump Closed Loop Water To Air	Net-To-Gross Rate	85%	45%	45%	45%	50%
	Geothermal Heat Pump Closed Loop Water To Air	Net Adjusted Demand Reduction (kW)	1.2	2.6	2.4	0.3	6.5
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Gross Demand Reduction per Participant (kW)	0.9	0.6	0.6	0.7	0.6
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Net Demand Reduction per Participant (kW)	0.6	0.2	0.2	0.3	0.3
Installed Winter peak kW	Geothermal Heat Pump Closed Loop Water To Air	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Geothermal Heat Pump Closed Loop Water To Air	Realization Rate	-	-	-	-	N/A
	Geothermal Heat Pump Closed Loop Water To Air	Net-To-Gross Rate	-	-	-	-	N/A
	Geothermal Heat Pump Closed Loop Water To Air	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Closed Loop Water To Air	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Closed Loop Water To Water	Total Participants	0	1	1	6	8
Installed kWh/year	Geothermal Heat Pump Closed Loop Water To Water	Total Gross Energy Savings (kWh/yr)	0	1,530	874	9,555	11,959
	Geothermal Heat Pump Closed Loop Water To Water	Realization Rate	N/A	78%	78%	78%	78%
	Geothermal Heat Pump Closed Loop Water To Water	Net-To-Gross Rate	N/A	45%	45%	45%	45%
	Geothermal Heat Pump Closed Loop Water To Water	Net Adjusted Savings (kWh/yr)	0	537	307	3,354	4,198
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Gross Savings per Participant (kWh/yr)	N/A	1,530	874	1,592	1,495
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Net Savings per Participant (kWh/yr)	N/A	537	307	559	525
Installed Summer peak kW	Geothermal Heat Pump Closed Loop Water To Water	Total Gross Demand Reduction (kW)	0.0	0.5	0.6	2.5	3.6
	Geothermal Heat Pump Closed Loop Water To Water	Realization Rate	N/A	89%	89%	89%	89%
	Geothermal Heat Pump Closed Loop Water To Water	Net-To-Gross Rate	N/A	45%	45%	45%	45%
	Geothermal Heat Pump Closed Loop Water To Water	Net Adjusted Demand Reduction (kW)	0.0	0.2	0.3	1.0	1.5
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.5	0.6	0.4	0.5
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Net Demand Reduction per Participant (kW)	N/A	0.2	0.3	0.2	0.2
Installed Winter peak kW	Geothermal Heat Pump Closed Loop Water To Water	Total Gross Demand Reduction (kW)	-	-	-	-	0.0

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NC - Residential Heat Pump Upgrade Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Geothermal Heat Pump Closed Loop Water To Water	Realization Rate	-	-	-	-	N/A
	Geothermal Heat Pump Closed Loop Water To Water	Net-To-Gross Rate	-	-	-	-	N/A
	Geothermal Heat Pump Closed Loop Water To Water	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Closed Loop Water To Water	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Direct Geoexchange (DGX)	Total Participants	0	2	0	0	2
Installed kWh/year	Geothermal Heat Pump Direct Geoexchange (DGX)	Total Gross Energy Savings (kWh/yr)	0	13,889	0	0	13,889
	Geothermal Heat Pump Direct Geoexchange (DGX)	Realization Rate	N/A	78%	N/A	N/A	78%
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net-To-Gross Rate	N/A	45%	N/A	N/A	45%
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net Adjusted Savings (kWh/yr)	0	4,875	0	0	4,875
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Gross Savings per Participant (kWh/yr)	N/A	6,944	N/A	N/A	6,944
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Net Savings per Participant (kWh/yr)	N/A	2,438	N/A	N/A	2,438
Installed Summer peak kW	Geothermal Heat Pump Direct Geoexchange (DGX)	Total Gross Demand Reduction (kW)	0.0	2.5	0.0	0.0	2.5
	Geothermal Heat Pump Direct Geoexchange (DGX)	Realization Rate	N/A	89%	N/A	N/A	89%
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net-To-Gross Rate	N/A	45%	N/A	N/A	45%
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net Adjusted Demand Reduction (kW)	0.0	1.0	0.0	0.0	1.0
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Gross Demand Reduction per Participant (kW)	N/A	1.2	N/A	N/A	1.2
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Net Demand Reduction per Participant (kW)	N/A	0.5	N/A	N/A	0.5
Installed Winter peak kW	Geothermal Heat Pump Direct Geoexchange (DGX)	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Geothermal Heat Pump Direct Geoexchange (DGX)	Realization Rate	-	-	-	-	N/A
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net-To-Gross Rate	-	-	-	-	N/A
	Geothermal Heat Pump Direct Geoexchange (DGX)	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Geothermal Heat Pump Direct Geoexchange (DGX)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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.30 North Carolina Residential Duct Sealing Program (Phase II) 2014–2017

K.30.1 2014-2017 North Carolina Residential Duct Sealing Program (Phase II) Annual Indicator Tables

NC - Residential Duct Sealing Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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	346	346	101	0	793
		Variance	-346	-23	116	14	-239
		Annual % of Planned (Gross)	0%	93%	215%	N/A	70%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	201,495	129,136	8,003	338,633
		Realization Rate Weighted by Measure	N/A	49%	49%	49%	49%
		Realization Rate Adjustment (kWh/yr)	0	-102,762	-65,859	-4,081	-172,703
		Realization Rate Adjusted Savings (kWh/yr)	0	98,733	63,276	3,921	165,930
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%	80%
		Net-To-Gross Adjustment (kWh/yr)	0	-19,747	-12,655	-784	-33,186
		Net Adjusted Savings (kWh/yr)	0	78,986	50,621	3,137	132,744
		Planned Net Savings (kWh/yr)	181,304	181,304	12,013	0	374,621
		Annual % Toward Planned Net Savings	0%	43.6%	421.4%	N/A	35.4%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	624	595	572	611
		Avg. Net Savings per Participant (kWh/yr)	N/A	245	233	224	240
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	148.1	94.9	5.9	248.8
		Realization Rate Weighted by Measure	N/A	49%	49%	49%	49%
		Realization Rate Adjustment (kW)	0.0	-75.5	-48.4	-3.0	-126.9
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	72.6	46.5	2.9	121.9
		Net-To-Gross Rate Weighted by Measure	N/A	80%	80%	80%	80%
		Net-To-Gross Adjustment (kW)	0.0	-29.6	-19.0	-1.2	-49.8
		Net Adjusted Demand Reduction (kW)	0.0	58.0	37.2	2.3	97.5
		Planned Net Savings (kW)	114.2	114.2	4.0	0.0	232.4
		Annual % Toward Planned Net Reduction	0%	50.8%	924.8%	N/A	42.0%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	0.5	0.4	0.4	0.4
		Avg. Net Demand Reduction per Participant (kW)	N/A	0.2	0.2	0.2	0.2
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$14	$17	$18	$18
		$Admin. per kWh/year (Gross)	N/A	$0.02	$0.03	$0.03	$0.03
		$Admin. per kW (Gross)	N/A	$31	$37	$39	$39
		$EM&V per $Total	40.5%	10.7%	7.6%	8.7%	8.7%
		$Rebate per Participant (Gross)	N/A	$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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K.31 North Carolina Residential Home Energy Check-up Program (Phase II) 2014–2017

K.31.1 2014-2017 North Carolina Residential Home Energy Check-up Program (Phase II) Annual Indicator Tables

NC - Residential Home Energy Check-up Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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%	22%	46%	123%
Participants[1]		Total (Gross)	0	996	4	49	1,049
		Planned	160	160	881	0	1,201
		Variance	-160	836	-877	49	-152
		Annual % of Planned (Gross)	0%	623%	0%	N/A	87%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	593,141	1,523	35,051	629,716
		Realization Rate Weighted by Measure	N/A	154%	154%	154%	154%
		Realization Rate Adjustment (kWh/yr)	0	320,296	823	18,928	340,046
		Realization Rate Adjusted Savings (kWh/yr)	0	913,438	2,346	53,979	969,762
		Net-To-Gross Rate Weighted by Measure	N/A	82%	82%	82%	82%
		Net-To-Gross Adjustment (kWh/yr)	0	-164,419	-422	-9,716	-174,557
		Net Adjusted Savings (kWh/yr)	0	749,019	1,924	44,262	795,205
		Planned Net Savings (kWh/yr)	162,720	162,720	308,536	0	633,976
		Annual % Toward Planned Net Savings	0%	460.3%	0.62%	N/A	125.4%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	596	381	715	600
		Avg. Net Savings per Participant (kWh/yr)	N/A	752	481	903	758
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	52.1	0.2	2.5	54.7
		Realization Rate Weighted by Measure	N/A	154%	154%	154%	154%
		Realization Rate Adjustment (kW)	0.0	28.1	0.1	1.3	29.5
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	80.2	0.3	3.8	84.2
		Net-To-Gross Rate Weighted by Measure	N/A	82%	82%	82%	82%
		Net-To-Gross Adjustment (kW)	0.0	-9.4	0.0	-0.4	-9.8
		Net Adjusted Demand Reduction (kW)	0.0	65.7	0.2	3.1	69.0
		Planned Net Savings (kW)	28.8	28.8	67.3	0.0	124.9
		Annual % Toward Planned Net Reduction	0%	228.2%	0.31%	N/A	55.3%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	0.05	0.04	0.05	0.05
		Avg. Net Demand Reduction per Participant (kW)	N/A	0.07	0.05	0.06	0.07
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$13	$13	$14	$14
		$Admin. per kWh/year (Gross)	N/A	$0.02	$0.02	$0.02	$0.02
		$Admin. per kW (Gross)	N/A	$243	$255	$263	$263
		$EM&V per $Total	24.8%	3.1%	5.8%	6.7%	6.7%
		$Rebate per Participant (Gross)	N/A	$221	$221	$220	$220

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K.31.2 2014-2017 North Carolina Residential Home Energy Check-up Program (Phase II) Measure Indicator Tables

NC - Residential Home Energy Check-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	15 Watt CFL	Total Participants	0	22	0	34	56
Installed kWh/year	15 Watt CFL	Total Gross Energy Savings (kWh/yr)	0	4,359	0	3,994	8,353
	15 Watt CFL	Realization Rate	N/A	154%	N/A	154%	154%
	15 Watt CFL	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	15 Watt CFL	Net Adjusted Savings (kWh/yr)	0	5,505	0	5,043	10,548
	15 Watt CFL	Avg. Gross Savings per Participant (kWh/yr)	N/A	198	N/A	117	149
	15 Watt CFL	Avg. Net Savings per Participant (kWh/yr)	N/A	250	N/A	148	188
Installed Summer peak kW	15 Watt CFL	Total Gross Demand Reduction (kW)	0.0	0.4	0.0	0.4	0.8
	15 Watt CFL	Realization Rate	N/A	154%	N/A	154%	154%
	15 Watt CFL	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	15 Watt CFL	Net Adjusted Demand Reduction (kW)	0.0	0.5	0.0	0.5	1.0
	15 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.02	N/A	0.01	0.01
	15 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	N/A	0.02	N/A	0.01	0.02
Installed Winter peak kW	15 Watt CFL	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	15 Watt CFL	Realization Rate	-	-	-	-	N/A
	15 Watt CFL	Net-To-Gross Rate	-	-	-	-	N/A
	15 Watt CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	15 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	15 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	16 Watt Par R30 CFL Flood	Total Participants	0	0	0	0	0
Installed kWh/year	16 Watt Par R30 CFL Flood	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	16 Watt Par R30 CFL Flood	Realization Rate	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	16 Watt Par R30 CFL Flood	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	16 Watt Par R30 CFL Flood	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	16 Watt Par R30 CFL Flood	Realization Rate	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	16 Watt Par R30 CFL Flood	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	16 Watt Par R30 CFL Flood	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	16 Watt Par R30 CFL Flood	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	16 Watt Par R30 CFL Flood	Realization Rate	-	-	-	-	N/A
	16 Watt Par R30 CFL Flood	Net-To-Gross Rate	-	-	-	-	N/A
	16 Watt Par R30 CFL Flood	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	16 Watt Par R30 CFL Flood	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	16 Watt Par R30 CFL Flood	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	18 Watt CFL	Total Participants	0	965	4	31	1,000
Installed kWh/year	18 Watt CFL	Total Gross Energy Savings (kWh/yr)	0	224,430	1,096	4,414	229,940
	18 Watt CFL	Realization Rate	N/A	154%	154%	154%	154%
	18 Watt CFL	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	18 Watt CFL	Net Adjusted Savings (kWh/yr)	0	283,411	1,384	5,574	290,368
	18 Watt CFL	Avg. Gross Savings per Participant (kWh/yr)	N/A	233	274	142	230
	18 Watt CFL	Avg. Net Savings per Participant (kWh/yr)	N/A	294	346	180	290
Installed Summer peak kW	18 Watt CFL	Total Gross Demand Reduction (kW)	0.0	21.2	0.1	0.4	21.7
	18 Watt CFL	Realization Rate	N/A	154%	154%	154%	154%
	18 Watt CFL	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	18 Watt CFL	Net Adjusted Demand Reduction (kW)	0.0	26.8	0.1	0.5	27.4
	18 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.02	0.03	0.01	0.02
	18 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	N/A	0.03	0.03	0.02	0.03
Installed Winter peak kW	18 Watt CFL	Total Gross Demand Reduction (kW)	-	-	-	-	0.0

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NC - Residential Home Energy Check-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	18 Watt CFL	Realization Rate	-	-	-	-	N/A
	18 Watt CFL	Net-To-Gross Rate	-	-	-	-	N/A
	18 Watt CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	18 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	18 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	20 Watt Dimmable	Total Participants	0	78	0	0	78
Installed kWh/year	20 Watt Dimmable	Total Gross Energy Savings (kWh/yr)	0	9,168	0	0	9,168
	20 Watt Dimmable	Realization Rate	N/A	154%	N/A	N/A	154%
	20 Watt Dimmable	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	20 Watt Dimmable	Net Adjusted Savings (kWh/yr)	0	11,578	0	0	11,578
	20 Watt Dimmable	Avg. Gross Savings per Participant (kWh/yr)	N/A	118	N/A	N/A	118
	20 Watt Dimmable	Avg. Net Savings per Participant (kWh/yr)	N/A	148	N/A	N/A	148
Installed Summer peak kW	20 Watt Dimmable	Total Gross Demand Reduction (kW)	0.0	0.9	0.0	0.0	0.9
	20 Watt Dimmable	Realization Rate	N/A	154%	N/A	N/A	154%
	20 Watt Dimmable	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	20 Watt Dimmable	Net Adjusted Demand Reduction (kW)	0.0	1.1	0.0	0.0	1.1
	20 Watt Dimmable	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
	20 Watt Dimmable	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
Installed Winter peak kW	20 Watt Dimmable	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	20 Watt Dimmable	Realization Rate	-	-	-	-	N/A
	20 Watt Dimmable	Net-To-Gross Rate	-	-	-	-	N/A
	20 Watt Dimmable	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	20 Watt Dimmable	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	20 Watt Dimmable	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	20/23/33 Watt 3 Way CFL	Total Participants	0	382	0	0	382
Installed kWh/year	20/23/33 Watt 3 Way CFL	Total Gross Energy Savings (kWh/yr)	0	36,668	0	0	36,668
	20/23/33 Watt 3 Way CFL	Realization Rate	N/A	154%	N/A	N/A	154%
	20/23/33 Watt 3 Way CFL	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	20/23/33 Watt 3 Way CFL	Net Adjusted Savings (kWh/yr)	0	46,304	0	0	46,304
	20/23/33 Watt 3 Way CFL	Avg. Gross Savings per Participant (kWh/yr)	N/A	96	N/A	N/A	96
	20/23/33 Watt 3 Way CFL	Avg. Net Savings per Participant (kWh/yr)	N/A	121	N/A	N/A	121
Installed Summer peak kW	20/23/33 Watt 3 Way CFL	Total Gross Demand Reduction (kW)	0.0	3.5	0.0	0.0	3.5
	20/23/33 Watt 3 Way CFL	Realization Rate	N/A	154%	N/A	N/A	154%
	20/23/33 Watt 3 Way CFL	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	20/23/33 Watt 3 Way CFL	Net Adjusted Demand Reduction (kW)	0.0	4.4	0.0	0.0	4.4
	20/23/33 Watt 3 Way CFL	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
	20/23/33 Watt 3 Way CFL	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
Installed Winter peak kW	20/23/33 Watt 3 Way CFL	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	20/23/33 Watt 3 Way CFL	Realization Rate	-	-	-	-	N/A
	20/23/33 Watt 3 Way CFL	Net-To-Gross Rate	-	-	-	-	N/A
	20/23/33 Watt 3 Way CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	20/23/33 Watt 3 Way CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	20/23/33 Watt 3 Way CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	23 Watt CFL	Total Participants	0	2	0	14	16
Installed kWh/year	23 Watt CFL	Total Gross Energy Savings (kWh/yr)	0	295	0	1,406	1,701
	23 Watt CFL	Realization Rate	N/A	154%	N/A	154%	154%
	23 Watt CFL	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	23 Watt CFL	Net Adjusted Savings (kWh/yr)	0	373	0	1,776	2,148
	23 Watt CFL	Avg. Gross Savings per Participant (kWh/yr)	N/A	148	N/A	100	106
	23 Watt CFL	Avg. Net Savings per Participant (kWh/yr)	N/A	186	N/A	127	134
Installed Summer peak kW	23 Watt CFL	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.1	0.2
	23 Watt CFL	Realization Rate	N/A	154%	N/A	154%	154%

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NC - Residential Home Energy Check-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	23 Watt CFL	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	23 Watt CFL	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.2	0.2
	23 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	N/A	0.01	0.01
	23 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	N/A	0.02	N/A	0.01	0.01
Installed Winter peak kW	23 Watt CFL	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	23 Watt CFL	Realization Rate	-	-	-	-	N/A
	23 Watt CFL	Net-To-Gross Rate	-	-	-	-	N/A
	23 Watt CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	23 Watt CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	23 Watt CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	23 Watt Par R45 CFL Flood	Total Participants	0	1	0	0	1
Installed kWh/year	23 Watt Par R45 CFL Flood	Total Gross Energy Savings (kWh/yr)	0	42	0	0	42
	23 Watt Par R45 CFL Flood	Realization Rate	N/A	154%	N/A	N/A	154%
	23 Watt Par R45 CFL Flood	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	23 Watt Par R45 CFL Flood	Net Adjusted Savings (kWh/yr)	0	53	0	0	53
	23 Watt Par R45 CFL Flood	Avg. Gross Savings per Participant (kWh/yr)	N/A	42	N/A	N/A	42
	23 Watt Par R45 CFL Flood	Avg. Net Savings per Participant (kWh/yr)	N/A	53	N/A	N/A	53
Installed Summer peak kW	23 Watt Par R45 CFL Flood	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	23 Watt Par R45 CFL Flood	Realization Rate	N/A	154%	N/A	N/A	154%
	23 Watt Par R45 CFL Flood	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	23 Watt Par R45 CFL Flood	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	23 Watt Par R45 CFL Flood	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.00	N/A	N/A	0.00
	23 Watt Par R45 CFL Flood	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
Installed Winter peak kW	23 Watt Par R45 CFL Flood	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	23 Watt Par R45 CFL Flood	Realization Rate	-	-	-	-	N/A
	23 Watt Par R45 CFL Flood	Net-To-Gross Rate	-	-	-	-	N/A
	23 Watt Par R45 CFL Flood	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	23 Watt Par R45 CFL Flood	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	23 Watt Par R45 CFL Flood	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Bathroom Aerator	Total Participants	0	511	0	31	542
Installed kWh/year	Bathroom Aerator	Total Gross Energy Savings (kWh/yr)	0	38,093	0	2,118	40,211
	Bathroom Aerator	Realization Rate	N/A	154%	N/A	154%	154%
	Bathroom Aerator	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	Bathroom Aerator	Net Adjusted Savings (kWh/yr)	0	48,104	0	2,674	50,779
	Bathroom Aerator	Avg. Gross Savings per Participant (kWh/yr)	N/A	75	N/A	68	74
	Bathroom Aerator	Avg. Net Savings per Participant (kWh/yr)	N/A	94	N/A	86	94
Installed Summer peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	0.0	4.5	0.0	0.3	4.8
	Bathroom Aerator	Realization Rate	N/A	154%	N/A	154%	154%
	Bathroom Aerator	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	0.0	5.7	0.0	0.3	6.0
	Bathroom Aerator	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	N/A	0.01	0.01
	Bathroom Aerator	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	N/A	0.01	0.01
Installed Winter peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Bathroom Aerator	Realization Rate	-	-	-	-	N/A
	Bathroom Aerator	Net-To-Gross Rate	-	-	-	-	N/A
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Bathroom Aerator	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Bathroom Aerator	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Central AC Filter Replacement	Total Participants	0	0	0	0	0
Installed kWh/year	Central AC Filter Replacement	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Central AC Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Central AC Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A

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Category	Measure	Indicator	Total	Total	Total	Total	Total
	Central AC Filter Replacement	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Central AC Filter Replacement	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Central AC Filter Replacement	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Central AC Filter Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Central AC Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Central AC Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Central AC Filter Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Central AC Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Central AC Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Central AC Filter Replacement	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Central AC Filter Replacement	Realization Rate	-	-	-	-	N/A
	Central AC Filter Replacement	Net-To-Gross Rate	-	-	-	-	N/A
	Central AC Filter Replacement	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Central AC Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Central AC Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	DHW Tank Wrap	Total Participants	0	0	0	1	1
Installed kWh/year	DHW Tank Wrap	Total Gross Energy Savings (kWh/yr)	0	0	0	234	234
	DHW Tank Wrap	Realization Rate	N/A	N/A	N/A	154%	154%
	DHW Tank Wrap	Net-To-Gross Rate	N/A	N/A	N/A	82%	82%
	DHW Tank Wrap	Net Adjusted Savings (kWh/yr)	0	0	0	296	296
	DHW Tank Wrap	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	234	234
	DHW Tank Wrap	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	296	296
Installed Summer peak kW	DHW Tank Wrap	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	DHW Tank Wrap	Realization Rate	N/A	N/A	N/A	154%	154%
	DHW Tank Wrap	Net-To-Gross Rate	N/A	N/A	N/A	82%	82%
	DHW Tank Wrap	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	DHW Tank Wrap	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.03	0.03
	DHW Tank Wrap	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.03	0.03
Installed Winter peak kW	DHW Tank Wrap	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	DHW Tank Wrap	Realization Rate	-	-	-	-	N/A
	DHW Tank Wrap	Net-To-Gross Rate	-	-	-	-	N/A
	DHW Tank Wrap	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	DHW Tank Wrap	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	DHW Tank Wrap	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Sweep	Total Participants	0	45	0	0	45
Installed kWh/year	Door Sweep	Total Gross Energy Savings (kWh/yr)	0	7,785	0	0	7,785
	Door Sweep	Realization Rate	N/A	154%	N/A	N/A	154%
	Door Sweep	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	Door Sweep	Net Adjusted Savings (kWh/yr)	0	9,831	0	0	9,831
	Door Sweep	Avg. Gross Savings per Participant (kWh/yr)	N/A	173	N/A	N/A	173
	Door Sweep	Avg. Net Savings per Participant (kWh/yr)	N/A	218	N/A	N/A	218
Installed Summer peak kW	Door Sweep	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Door Sweep	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Door Sweep	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Door Sweep	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Door Sweep	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.0	N/A	N/A	0.0
	Door Sweep	Avg. Net Demand Reduction per Participant (kW)	N/A	0.0	N/A	N/A	0.0
Installed Winter peak kW	Door Sweep	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Door Sweep	Realization Rate	-	-	-	-	N/A
	Door Sweep	Net-To-Gross Rate	-	-	-	-	N/A
	Door Sweep	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Door Sweep	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-

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Category	Measure	Indicator	Total	Total	Total	Total	Total
	Door Sweep	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Weatherization	Total Participants	0	39	0	1	40
Installed kWh/year	Door Weatherization	Total Gross Energy Savings (kWh/yr)	0	3,964	0	81	4,045
	Door Weatherization	Realization Rate	N/A	154%	N/A	154%	154%
	Door Weatherization	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	Door Weatherization	Net Adjusted Savings (kWh/yr)	0	5,006	0	102	5,108
	Door Weatherization	Avg. Gross Savings per Participant (kWh/yr)	N/A	102	N/A	81	101
	Door Weatherization	Avg. Net Savings per Participant (kWh/yr)	N/A	128	N/A	102	128
Installed Summer peak kW	Door Weatherization	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Door Weatherization	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Door Weatherization	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Door Weatherization	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Door Weatherization	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.0	N/A	0.0	0.0
	Door Weatherization	Avg. Net Demand Reduction per Participant (kW)	N/A	0.0	N/A	0.0	0.0
Installed Winter peak kW	Door Weatherization	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Door Weatherization	Realization Rate	-	-	-	-	N/A
	Door Weatherization	Net-To-Gross Rate	-	-	-	-	N/A
	Door Weatherization	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Door Weatherization	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Weatherization	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Heat Pump Filter Replacement	Total Participants	0	0	0	0	0
Installed kWh/year	Heat Pump Filter Replacement	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Heat Pump Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Heat Pump Filter Replacement	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Heat Pump Filter Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Heat Pump Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Heat Pump Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Heat Pump Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Heat Pump Filter Replacement	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Heat Pump Filter Replacement	Realization Rate	-	-	-	-	N/A
	Heat Pump Filter Replacement	Net-To-Gross Rate	-	-	-	-	N/A
	Heat Pump Filter Replacement	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Heat Pump Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Heat Pump Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Kitchen Aerator	Total Participants	0	273	0	9	282
Installed kWh/year	Kitchen Aerator	Total Gross Energy Savings (kWh/yr)	0	1,930	0	71	2,001
	Kitchen Aerator	Realization Rate	N/A	154%	N/A	154%	154%
	Kitchen Aerator	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	Kitchen Aerator	Net Adjusted Savings (kWh/yr)	0	2,438	0	90	2,527
	Kitchen Aerator	Avg. Gross Savings per Participant (kWh/yr)	N/A	7	N/A	8	7
	Kitchen Aerator	Avg. Net Savings per Participant (kWh/yr)	N/A	9	N/A	10	9
Installed Summer peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	0.0	0.2	0.0	0.0	0.2
	Kitchen Aerator	Realization Rate	N/A	154%	N/A	154%	154%
	Kitchen Aerator	Net-To-Gross Rate	N/A	82%	N/A	82%	82%
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	0.0	0.3	0.0	0.0	0.3
	Kitchen Aerator	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.00	N/A	0.00	0.00
	Kitchen Aerator	Avg. Net Demand Reduction per Participant (kW)	N/A	0.00	N/A	0.00	0.00

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Category	Measure	Indicator	Total	Total	Total	Total	Total
Installed Winter peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Kitchen Aerator	Realization Rate	-	-	-	-	N/A
	Kitchen Aerator	Net-To-Gross Rate	-	-	-	-	N/A
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Kitchen Aerator	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Kitchen Aerator	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Pipe Insulation - Pipe Diameter 1/2 Inches	Total Participants	0	0	0	0	0
Installed kWh/year	Pipe Insulation - Pipe Diameter 1/2 Inches	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Pipe Insulation - Pipe Diameter 1/2 Inches	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Pipe Insulation - Pipe Diameter 1/2 Inches	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Realization Rate	-	-	-	-	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net-To-Gross Rate	-	-	-	-	N/A
	Pipe Insulation - Pipe Diameter 1/2 Inches	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Pipe Insulation - Pipe Diameter 1/2 Inches	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Pipe Insulation - Pipe Diameter 3/4 Inches	Total Participants	0	65	0	0	65
Installed kWh/year	Pipe Insulation - Pipe Diameter 3/4 Inches	Total Gross Energy Savings (kWh/yr)	0	4,926	0	0	4,926
	Pipe Insulation - Pipe Diameter 3/4 Inches	Realization Rate	N/A	154%	N/A	N/A	154%
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net Adjusted Savings (kWh/yr)	0	6,220	0	0	6,220
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Gross Savings per Participant (kWh/yr)	N/A	76	N/A	N/A	76
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Net Savings per Participant (kWh/yr)	N/A	96	N/A	N/A	96
Installed Summer peak kW	Pipe Insulation - Pipe Diameter 3/4 Inches	Total Gross Demand Reduction (kW)	0.0	0.7	0.0	0.0	0.7
	Pipe Insulation - Pipe Diameter 3/4 Inches	Realization Rate	N/A	154%	N/A	N/A	154%
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net-To-Gross Rate	N/A	82%	N/A	N/A	82%
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net Adjusted Demand Reduction (kW)	0.0	0.8	0.0	0.0	0.8
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	N/A	N/A	0.01
Installed Winter peak kW	Pipe Insulation - Pipe Diameter 3/4 Inches	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Pipe Insulation - Pipe Diameter 3/4 Inches	Realization Rate	-	-	-	-	N/A
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net-To-Gross Rate	-	-	-	-	N/A
	Pipe Insulation - Pipe Diameter 3/4 Inches	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Pipe Insulation - Pipe Diameter 3/4 Inches	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigerator Temperature Increase	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigerator Temperature Increase	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigerator Temperature Increase	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigerator Temperature Increase	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A

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Category	Measure	Indicator	Total	Total	Total	Total	Total
Installed Summer peak kW	Refrigerator Temperature Increase	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigerator Temperature Increase	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigerator Temperature Increase	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigerator Temperature Increase	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigerator Temperature Increase	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigerator Temperature Increase	Realization Rate	-	-	-	-	N/A
	Refrigerator Temperature Increase	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigerator Temperature Increase	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigerator Temperature Increase	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigerator Temperature Increase	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Showerhead	Total Participants	0	809	2	32	843
Installed kWh/year	Showerhead	Total Gross Energy Savings (kWh/yr)	0	199,963	116	20,799	220,878
	Showerhead	Realization Rate	N/A	154%	154%	154%	154%
	Showerhead	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Showerhead	Net Adjusted Savings (kWh/yr)	0	252,513	146	26,265	278,924
	Showerhead	Avg. Gross Savings per Participant (kWh/yr)	N/A	247	58	650	262
	Showerhead	Avg. Net Savings per Participant (kWh/yr)	N/A	312	73	821	331
Installed Summer peak kW	Showerhead	Total Gross Demand Reduction (kW)	0.0	13.6	0.0	1.0	14.6
	Showerhead	Realization Rate	N/A	154%	154%	154%	154%
	Showerhead	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Showerhead	Net Adjusted Demand Reduction (kW)	0.0	17.2	0.0	1.3	18.4
	Showerhead	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.02	0.01	0.03	0.02
	Showerhead	Avg. Net Demand Reduction per Participant (kW)	N/A	0.02	0.02	0.04	0.02
Installed Winter peak kW	Showerhead	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Showerhead	Realization Rate	-	-	-	-	N/A
	Showerhead	Net-To-Gross Rate	-	-	-	-	N/A
	Showerhead	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Showerhead	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Showerhead	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Smart Strip 7 Outlet	Total Participants	0	410	4	5	419
Installed kWh/year	Smart Strip 7 Outlet	Total Gross Energy Savings (kWh/yr)	0	43,587	203	304	44,095
	Smart Strip 7 Outlet	Realization Rate	N/A	154%	154%	154%	154%
	Smart Strip 7 Outlet	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Smart Strip 7 Outlet	Net Adjusted Savings (kWh/yr)	0	55,042	256	384	55,683
	Smart Strip 7 Outlet	Avg. Gross Savings per Participant (kWh/yr)	N/A	106	51	61	105
	Smart Strip 7 Outlet	Avg. Net Savings per Participant (kWh/yr)	N/A	134	64	77	133
Installed Summer peak kW	Smart Strip 7 Outlet	Total Gross Demand Reduction (kW)	0.0	5.1	0.0	0.0	5.2
	Smart Strip 7 Outlet	Realization Rate	N/A	154%	154%	154%	154%
	Smart Strip 7 Outlet	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Smart Strip 7 Outlet	Net Adjusted Demand Reduction (kW)	0.0	6.4	0.0	0.0	6.5
	Smart Strip 7 Outlet	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	0.01	0.01	0.01
	Smart Strip 7 Outlet	Avg. Net Demand Reduction per Participant (kW)	N/A	0.02	0.01	0.01	0.02
Installed Winter peak kW	Smart Strip 7 Outlet	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Smart Strip 7 Outlet	Realization Rate	-	-	-	-	N/A
	Smart Strip 7 Outlet	Net-To-Gross Rate	-	-	-	-	N/A
	Smart Strip 7 Outlet	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Smart Strip 7 Outlet	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Smart Strip 7 Outlet	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 10 Degrees	Total Participants	0	220	2	30	252
Installed kWh/year	Water Heater Turndown 10 Degrees	Total Gross Energy Savings (kWh/yr)	0	17,930	109	1,630	19,669

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NC - Residential Home Energy Check-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Water Heater Turndown 10 Degrees	Realization Rate	N/A	154%	154%	154%	154%
	Water Heater Turndown 10 Degrees	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Water Heater Turndown 10 Degrees	Net Adjusted Savings (kWh/yr)	0	22,642	137	2,059	24,838
	Water Heater Turndown 10 Degrees	Avg. Gross Savings per Participant (kWh/yr)	N/A	82	54	54	78
	Water Heater Turndown 10 Degrees	Avg. Net Savings per Participant (kWh/yr)	N/A	103	69	69	99
Installed Summer peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	0.0	2.0	0.0	0.2	2.2
	Water Heater Turndown 10 Degrees	Realization Rate	N/A	154%	154%	154%	154%
	Water Heater Turndown 10 Degrees	Net-To-Gross Rate	N/A	82%	82%	82%	82%
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	0.0	2.5	0.0	0.2	2.8
	Water Heater Turndown 10 Degrees	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.01	0.01	0.01	0.01
	Water Heater Turndown 10 Degrees	Avg. Net Demand Reduction per Participant (kW)	N/A	0.01	0.01	0.01	0.01
Installed Winter peak kW	Water Heater Turndown 10 Degrees	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 10 Degrees	Realization Rate	-	-	-	-	N/A
	Water Heater Turndown 10 Degrees	Net-To-Gross Rate	-	-	-	-	N/A
	Water Heater Turndown 10 Degrees	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 10 Degrees	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 10 Degrees	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 15 Degrees	Total Participants	0	0	0	0	0
Installed kWh/year	Water Heater Turndown 15 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 15 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 15 Degrees	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Water Heater Turndown 15 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 15 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 15 Degrees	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 15 Degrees	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Water Heater Turndown 15 Degrees	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 15 Degrees	Realization Rate	-	-	-	-	N/A
	Water Heater Turndown 15 Degrees	Net-To-Gross Rate	-	-	-	-	N/A
	Water Heater Turndown 15 Degrees	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 15 Degrees	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 15 Degrees	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 20 Degrees	Total Participants	0	0	0	0	0
Installed kWh/year	Water Heater Turndown 20 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 20 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 20 Degrees	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Water Heater Turndown 20 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 20 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 20 Degrees	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 20 Degrees	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Water Heater Turndown 20 Degrees	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 20 Degrees	Realization Rate	-	-	-	-	N/A
	Water Heater Turndown 20 Degrees	Net-To-Gross Rate	-	-	-	-	N/A

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NC - Residential Home Energy Check-up Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Water Heater Turndown 20 Degrees	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 20 Degrees	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 20 Degrees	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 5 Degrees	Total Participants	0	0	0	0	0
Installed kWh/year	Water Heater Turndown 5 Degrees	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 5 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Water Heater Turndown 5 Degrees	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Water Heater Turndown 5 Degrees	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 5 Degrees	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Water Heater Turndown 5 Degrees	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Water Heater Turndown 5 Degrees	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Water Heater Turndown 5 Degrees	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 5 Degrees	Realization Rate	-	-	-	-	N/A
	Water Heater Turndown 5 Degrees	Net-To-Gross Rate	-	-	-	-	N/A
	Water Heater Turndown 5 Degrees	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Water Heater Turndown 5 Degrees	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Water Heater Turndown 5 Degrees	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Window Unit Filter Replacement	Total Participants	0	0	0	0	0
Installed kWh/year	Window Unit Filter Replacement	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Window Unit Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Window Unit Filter Replacement	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Window Unit Filter Replacement	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Window Unit Filter Replacement	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Window Unit Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Window Unit Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Window Unit Filter Replacement	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Window Unit Filter Replacement	Realization Rate	-	-	-	-	N/A
	Window Unit Filter Replacement	Net-To-Gross Rate	-	-	-	-	N/A
	Window Unit Filter Replacement	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Window Unit Filter Replacement	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Window Unit Filter Replacement	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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%.

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K.32 North Carolina Residential Retail LED Program (Phase V) 2017–2019

K.32.1 2017-2019 North Carolina Residential Retail LED Program (Phase V) Annual Indicator Tables

NC - Residential Retail LED Program Category	Measure	Indicator	2017 Total	2018 Total	2019 Total	2017-2019 Total
O&M ($)		Direct Rebate				
O&M ($)		Direct Implementation				
O&M ($)		Direct EM&V				
O&M ($)		Indirect Other (Administrative)				
Capital ($)		Direct Implementation	$0	$0	$0	$0
Costs ($)		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%	111%	205%	91%
Participants[1]		Total (Gross)	70,261	264,236	0	334,497
		Planned	165,000	220,000	0	385,000
		Variance	-94,739	44,236	0	-50,503
		Annual % of Planned (Gross)	43%	120%	N/A	87%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	2,215,073	5,918,263	0	8,133,336
		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)	2,215,073	5,918,263	0	8,133,336
		Net-To-Gross Rate Weighted by Measure	85%	85%	N/A	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)	2,250,790	3,874,754	0	6,125,544
		Annual % Toward Planned Net Savings	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
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	242.4	606.0	0.0	848.5
		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)	242.4	606.0	0.0	848.5
		Net-To-Gross Rate Weighted by Measure	85%	85%	N/A	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 Savings (kW)	331.0	433.8	0.0	764.8
		Annual % Toward Planned Net Reduction	62.3%	118.7%	N/A	94.3%
		Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
		Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$0	$0	$0	$0
		$Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	$108	$117	$130	$130
		$EM&V per $Total	6.8%	6.7%	7.7%	7.7%
		$Rebate per Participant (Gross)	$2	$3	$3	$3

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K.32.2 2017-2019 North Carolina Residential Retail LED Program (Phase V) Measure Indicator Tables

NC - Residential Retail LED Program			2017	2018	2019	2017-2019
Category	Measure	Indicator	Total	Total	Total	Total
	A-Line	Total Participants	60,688	208,493	0	269,181
Installed kWh/year	A-Line	Total Gross Energy Savings (kWh/yr)	1,834,927	4,724,976	0	6,559,903
	A-Line	Realization Rate	100%	100%	N/A	100%
	A-Line	Net-To-Gross Rate	85%	85%	N/A	85%
	A-Line	Net Adjusted Savings (kWh/yr)	1,559,688	4,016,230	0	5,575,918
	A-Line	Avg. Gross Savings per Participant (kWh/yr)	30	23	N/A	24
	A-Line	Avg. Net Savings per Participant (kWh/yr)	26	19	N/A	21
Installed Summer peak kW	A-Line	Total Gross Demand Reduction (kW)	200.8	483.8	0.0	684.7
	A-Line	Realization Rate	100%	100%	N/A	100%
	A-Line	Net-To-Gross Rate	85%	85%	N/A	85%
	A-Line	Net Adjusted Demand Reduction (kW)	170.7	411.3	0.0	582.0
	A-Line	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	A-Line	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	A-Line	Total Gross Demand Reduction (kW)	-	-	-	0.0
	A-Line	Realization Rate	-	-	-	N/A
	A-Line	Net-To-Gross Rate	-	-	-	N/A
	A-Line	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	A-Line	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	A-Line	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Bulged Reflector	Total Participants	2,844	8,780	0	11,624
Installed kWh/year	Bulged Reflector	Total Gross Energy Savings (kWh/yr)	137,772	181,675	0	319,447
	Bulged Reflector	Realization Rate	100%	100%	N/A	100%
	Bulged Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Bulged Reflector	Net Adjusted Savings (kWh/yr)	117,106	154,424	0	271,530
	Bulged Reflector	Avg. Gross Savings per Participant (kWh/yr)	48	21	N/A	27
	Bulged Reflector	Avg. Net Savings per Participant (kWh/yr)	41	18	N/A	23
Installed Summer peak kW	Bulged Reflector	Total Gross Demand Reduction (kW)	15.1	18.6	0.0	33.7
	Bulged Reflector	Realization Rate	100%	100%	N/A	100%
	Bulged Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Bulged Reflector	Net Adjusted Demand Reduction (kW)	12.8	15.8	0.0	28.6
	Bulged Reflector	Avg. Gross Demand Reduction per Participant (kW)	0.01	0.00	N/A	0.00
	Bulged Reflector	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Bulged Reflector	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Bulged Reflector	Realization Rate	-	-	-	N/A
	Bulged Reflector	Net-To-Gross Rate	-	-	-	N/A
	Bulged Reflector	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Bulged Reflector	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Bulged Reflector	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Candelabra Base	Total Participants	717	4,218	0	4,935
Installed kWh/year	Candelabra Base	Total Gross Energy Savings (kWh/yr)	23,009	99,162	0	122,172
	Candelabra Base	Realization Rate	100%	100%	N/A	100%
	Candelabra Base	Net-To-Gross Rate	85%	85%	N/A	85%
	Candelabra Base	Net Adjusted Savings (kWh/yr)	19,558	84,288	0	103,846
	Candelabra Base	Avg. Gross Savings per Participant (kWh/yr)	32	24	N/A	25
	Candelabra Base	Avg. Net Savings per Participant (kWh/yr)	27	20	N/A	21
Installed Summer peak kW	Candelabra Base	Total Gross Demand Reduction (kW)	2.5	10.2	0.0	12.7
	Candelabra Base	Realization Rate	100%	100%	N/A	100%
	Candelabra Base	Net-To-Gross Rate	85%	85%	N/A	85%
	Candelabra Base	Net Adjusted Demand Reduction (kW)	2.1	8.6	0.0	10.8
	Candelabra Base	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Candelabra Base	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Candelabra Base	Total Gross Demand Reduction (kW)	-	-	-	0.0

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NC - Residential Retail LED Program			2017	2018	2019	2017-2019
Category	Measure	Indicator	Total	Total	Total	Total
	Candelabra Base	Realization Rate	-	-	-	N/A
	Candelabra Base	Net-To-Gross Rate	-	-	-	N/A
	Candelabra Base	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Candelabra Base	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Candelabra Base	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Fixture	Total Participants	297	24,487	0	24,784
Installed kWh/year	Fixture	Total Gross Energy Savings (kWh/yr)	12,317	454,259	0	466,576
	Fixture	Realization Rate	100%	100%	N/A	100%
	Fixture	Net-To-Gross Rate	85%	85%	N/A	85%
	Fixture	Net Adjusted Savings (kWh/yr)	10,470	386,120	0	396,590
	Fixture	Avg. Gross Savings per Participant (kWh/yr)	41	19	N/A	19
	Fixture	Avg. Net Savings per Participant (kWh/yr)	35	16	N/A	16
Installed Summer peak kW	Fixture	Total Gross Demand Reduction (kW)	1.3	46.5	0.0	47.9
	Fixture	Realization Rate	100%	100%	N/A	100%
	Fixture	Net-To-Gross Rate	85%	85%	N/A	85%
	Fixture	Net Adjusted Demand Reduction (kW)	1.1	39.5	0.0	40.7
	Fixture	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Fixture	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Fixture	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Fixture	Realization Rate	-	-	-	N/A
	Fixture	Net-To-Gross Rate	-	-	-	N/A
	Fixture	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Fixture	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Fixture	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Globe	Total Participants	621	4,567	0	5,188
Installed kWh/year	Globe	Total Gross Energy Savings (kWh/yr)	18,704	102,550	0	121,255
	Globe	Realization Rate	100%	100%	N/A	100%
	Globe	Net-To-Gross Rate	85%	85%	N/A	85%
	Globe	Net Adjusted Savings (kWh/yr)	15,898	87,168	0	103,066
	Globe	Avg. Gross Savings per Participant (kWh/yr)	30	22	N/A	23
	Globe	Avg. Net Savings per Participant (kWh/yr)	26	19	N/A	20
Installed Summer peak kW	Globe	Total Gross Demand Reduction (kW)	2.0	10.5	0.0	12.5
	Globe	Realization Rate	100%	100%	N/A	100%
	Globe	Net-To-Gross Rate	85%	85%	N/A	85%
	Globe	Net Adjusted Demand Reduction (kW)	1.7	8.9	0.0	10.7
	Globe	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Globe	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Globe	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Globe	Realization Rate	-	-	-	N/A
	Globe	Net-To-Gross Rate	-	-	-	N/A
	Globe	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Globe	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Globe	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Multifaceted Reflector	Total Participants	37	40	0	77
Installed kWh/year	Multifaceted Reflector	Total Gross Energy Savings (kWh/yr)	1,764	846	0	2,609
	Multifaceted Reflector	Realization Rate	100%	100%	N/A	100%
	Multifaceted Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Multifaceted Reflector	Net Adjusted Savings (kWh/yr)	1,499	719	0	2,218
	Multifaceted Reflector	Avg. Gross Savings per Participant (kWh/yr)	48	21	N/A	34
	Multifaceted Reflector	Avg. Net Savings per Participant (kWh/yr)	41	18	N/A	29
Installed Summer peak kW	Multifaceted Reflector	Total Gross Demand Reduction (kW)	0.2	0.1	0.0	0.3
	Multifaceted Reflector	Realization Rate	100%	100%	N/A	100%

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NC - Residential Retail LED Program			2017	2018	2019	2017-2019
Category	Measure	Indicator	Total	Total	Total	Total
	Multifaceted Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Multifaceted Reflector	Net Adjusted Demand Reduction (kW)	0.2	0.1	0.0	0.2
	Multifaceted Reflector	Avg. Gross Demand Reduction per Participant (kW)	0.01	0.00	N/A	0.00
	Multifaceted Reflector	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Multifaceted Reflector	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Multifaceted Reflector	Realization Rate	-	-	-	N/A
	Multifaceted Reflector	Net-To-Gross Rate	-	-	-	N/A
	Multifaceted Reflector	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Multifaceted Reflector	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Multifaceted Reflector	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Parabolic Aluminized Reflector	Total Participants	3,312	7,030	0	10,342
Installed kWh/year	Parabolic Aluminized Reflector	Total Gross Energy Savings (kWh/yr)	118,735	207,328	0	326,063
	Parabolic Aluminized Reflector	Realization Rate	100%	100%	N/A	100%
	Parabolic Aluminized Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Parabolic Aluminized Reflector	Net Adjusted Savings (kWh/yr)	100,925	176,229	0	277,154
	Parabolic Aluminized Reflector	Avg. Gross Savings per Participant (kWh/yr)	36	29	N/A	32
	Parabolic Aluminized Reflector	Avg. Net Savings per Participant (kWh/yr)	30	25	N/A	27
Installed Summer peak kW	Parabolic Aluminized Reflector	Total Gross Demand Reduction (kW)	13.0	21.2	0.0	34.2
	Parabolic Aluminized Reflector	Realization Rate	100%	100%	N/A	100%
	Parabolic Aluminized Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Parabolic Aluminized Reflector	Net Adjusted Demand Reduction (kW)	11.0	18.0	0.0	29.1
	Parabolic Aluminized Reflector	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Parabolic Aluminized Reflector	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Parabolic Aluminized Reflector	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Parabolic Aluminized Reflector	Realization Rate	-	-	-	N/A
	Parabolic Aluminized Reflector	Net-To-Gross Rate	-	-	-	N/A
	Parabolic Aluminized Reflector	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Parabolic Aluminized Reflector	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Parabolic Aluminized Reflector	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Reflector	Total Participants	82	1,250	0	1,332
Installed kWh/year	Reflector	Total Gross Energy Savings (kWh/yr)	2,717	26,581	0	29,299
	Reflector	Realization Rate	100%	100%	N/A	100%
	Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Reflector	Net Adjusted Savings (kWh/yr)	2,310	22,594	0	24,904
	Reflector	Avg. Gross Savings per Participant (kWh/yr)	33	21	N/A	22
	Reflector	Avg. Net Savings per Participant (kWh/yr)	28	18	N/A	19
Installed Summer peak kW	Reflector	Total Gross Demand Reduction (kW)	0.3	2.7	0.0	3.0
	Reflector	Realization Rate	100%	100%	N/A	100%
	Reflector	Net-To-Gross Rate	85%	85%	N/A	85%
	Reflector	Net Adjusted Demand Reduction (kW)	0.3	2.3	0.0	2.6
	Reflector	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Reflector	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Reflector	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Reflector	Realization Rate	-	-	-	N/A
	Reflector	Net-To-Gross Rate	-	-	-	N/A
	Reflector	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Reflector	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Reflector	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Retrofit Kit	Total Participants	810	2,308	0	3,118
Installed kWh/year	Retrofit Kit	Total Gross Energy Savings (kWh/yr)	38,152	40,294	0	78,446
	Retrofit Kit	Realization Rate	100%	100%	N/A	100%
	Retrofit Kit	Net-To-Gross Rate	85%	85%	N/A	85%

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NC - Residential Retail LED Program			2017	2018	2019	2017-2019
Category	Measure	Indicator	Total	Total	Total	Total
	Retrofit Kit	Net Adjusted Savings (kWh/yr)	32,429	34,250	0	66,679
	Retrofit Kit	Avg. Gross Savings per Participant (kWh/yr)	47	17	N/A	25
	Retrofit Kit	Avg. Net Savings per Participant (kWh/yr)	40	15	N/A	21
Installed Summer peak kW	Retrofit Kit	Total Gross Demand Reduction (kW)	4.2	4.1	0.0	8.3
	Retrofit Kit	Realization Rate	100%	100%	N/A	100%
	Retrofit Kit	Net-To-Gross Rate	85%	85%	N/A	85%
	Retrofit Kit	Net Adjusted Demand Reduction (kW)	3.5	3.5	0.0	7.1
	Retrofit Kit	Avg. Gross Demand Reduction per Participant (kW)	0.01	0.00	N/A	0.00
	Retrofit Kit	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Retrofit Kit	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Retrofit Kit	Realization Rate	-	-	-	N/A
	Retrofit Kit	Net-To-Gross Rate	-	-	-	N/A
	Retrofit Kit	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Retrofit Kit	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Retrofit Kit	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-
	Specialty	Total Participants	853	3,063	0	3,916
Installed kWh/year	Specialty	Total Gross Energy Savings (kWh/yr)	26,974	80,592	0	107,566
	Specialty	Realization Rate	100%	100%	N/A	100%
	Specialty	Net-To-Gross Rate	85%	85%	N/A	85%
	Specialty	Net Adjusted Savings (kWh/yr)	22,928	68,503	0	91,431
	Specialty	Avg. Gross Savings per Participant (kWh/yr)	32	26	N/A	27
	Specialty	Avg. Net Savings per Participant (kWh/yr)	27	22	N/A	23
Installed Summer peak kW	Specialty	Total Gross Demand Reduction (kW)	3.0	8.3	0.0	11.2
	Specialty	Realization Rate	100%	100%	N/A	100%
	Specialty	Net-To-Gross Rate	85%	85%	N/A	85%
	Specialty	Net Adjusted Demand Reduction (kW)	2.5	7.0	0.0	9.5
	Specialty	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
	Specialty	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	N/A	0.00
Installed Winter peak kW	Specialty	Total Gross Demand Reduction (kW)	-	-	-	0.0
	Specialty	Realization Rate	-	-	-	N/A
	Specialty	Net-To-Gross Rate	-	-	-	N/A
	Specialty	Net Adjusted Demand Reduction (kW)	-	-	-	0.0
	Specialty	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-
	Specialty	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-

5. Program closed end of 2019.
6. A participant is a unique account number.

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K.33 North Carolina Commercial Lighting Program (Phase I) 2011–2014

K.33.1 2011-2014 North Carolina Commercial Lighting Program (Phase I) Annual Indicator Tables

NC - Commercial Lighting Program Category	Measure	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2011-2014 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		Total	$216,305	$85,178	$51,201	$132,374	$485,059
Costs ($)		Planned	$294,641	$546,511	$206,515	$204,182	$1,251,849
Costs ($)		Variance	-$78,336	-$461,332	-$155,314	-$71,808	-$766,790
		Annual % of Planned	73%	16%	25%	65%	39%
Participants[1]		Total (Gross)	1	25	0	21	47
		Planned	2	9	0	4	15
		Variance	-1	16	0	17	32
		Annual % of Planned (Gross)	50%	278%	N/A	525%	313%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	1,787,400	409,819	0	895,657	3,092,876
		Realization Rate Weighted by Measure	177%	178%	N/A	177%	177%
		Realization Rate Adjustment (kWh/yr)	1,376,298	320,100	0	689,656	2,386,054
		Realization Rate Adjusted Savings (kWh/yr)	3,163,699	729,919	0	1,585,312	5,478,930
		Net-To-Gross Rate Weighted by Measure	50%	50%	N/A	50%	50%
		Net-To-Gross Adjustment (kWh/yr)	-1,581,849	-364,960	0	-792,656	-2,739,465
		Net Adjusted Savings (kWh/yr)	1,581,849	364,960	0	792,656	2,739,465
		Planned Net Savings (kWh/yr)	515,922	2,172,078	0	137,967	2,825,967
		Annual % Toward Planned Net Savings	306.6%	16.8%	N/A	574.5%	96.9%
		Avg. Gross Savings per Participant (kWh/yr)	1,787,400	16,393	N/A	42,650	65,806
		Avg. Net Savings per Participant (kWh/yr)	1,581,849	14,598	N/A	37,746	58,286
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	681.7	110.0	0.0	235.1	1,026.8
		Realization Rate Weighted by Measure	98%	98%	N/A	98%	98%
		Realization Rate Adjustment (kW)	-13.6	-2.2	0.0	-4.7	-20.5
		Realization Rate Adjusted Gross Demand Reduction (kW)	668.0	107.8	0.0	230.4	1,006.3
		Net-To-Gross Rate Weighted by Measure	50%	50%	N/A	50%	50%
		Net-To-Gross Adjustment (kW)	-340.8	-55.0	0.0	-117.6	-513.4
		Net Adjusted Demand Reduction (kW)	334.0	53.9	0.0	115.2	503.1
		Planned Net Savings (kW)	62.0	275.0	0.0	0.0	337.0
		Annual % Toward Planned Net Reduction	538.7%	19.6%	N/A	N/A	149.3%
		Avg. Gross Demand Reduction per Participant (kW)	681.7	4.4	N/A	11.2	21.8
		Avg. Net Demand Reduction per Participant (kW)	334.0	2.2	N/A	5.5	10.7
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$16,336	$920	$1,120	$761	$761
		$Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	$24	$30	$37	$35	$35
		$EM&V per $Total	4.6%	3.9%	3.4%	6.5%	6.5%
		$Rebate per Participant (Gross)	$158,605	$8,092	$8,092	$5,465	$5,465

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K.33.2 2011-2014 North Carolina Commercial Lighting Program (Phase I) Measure Indicator Tables

NC - Commercial Lighting Program Category	Measure	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2011-2014 Total
	CFL	Total Participants	0	1	0	3	4
Installed kWh/year	CFL	Total Gross Energy Savings (kWh/yr)	0	3,228	0	227,555	230,784
	CFL	Realization Rate	N/A	177%	N/A	177%	177%
	CFL	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	CFL	Net Adjusted Savings (kWh/yr)	0	2,857	0	201,387	204,243
	CFL	Avg. Gross Savings per Participant (kWh/yr)	N/A	3,228	N/A	75,852	57,696
	CFL	Avg. Net Savings per Participant (kWh/yr)	N/A	2,857	N/A	67,129	51,061
Installed Summer peak kW	CFL	Total Gross Demand Reduction (kW)	0.0	0.7	0.0	58.1	58.8
	CFL	Realization Rate	N/A	98%	N/A	98%	98%
	CFL	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	CFL	Net Adjusted Demand Reduction (kW)	0.0	0.4	0.0	28.5	28.8
	CFL	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.7	N/A	19.4	14.7
	CFL	Avg. Net Demand Reduction per Participant (kW)	N/A	0.4	N/A	9.5	7.2
Installed Winter peak kW	CFL	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	CFL	Realization Rate	-	-	-	-	N/A
	CFL	Net-To-Gross Rate	-	-	-	-	N/A
	CFL	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	CFL	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	CFL	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Controls	Total Participants	0	0	0	0	0
Installed kWh/year	Controls	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Controls	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Controls	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Controls	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Controls	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Controls	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Controls	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Controls	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Controls	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Controls	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Controls	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Controls	Realization Rate	-	-	-	-	N/A
	Controls	Net-To-Gross Rate	-	-	-	-	N/A
	Controls	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Controls	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Controls	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	High Performance T8	Total Participants	0	3	0	4	7
Installed kWh/year	High Performance T8	Total Gross Energy Savings (kWh/yr)	0	19,773	0	112,209	131,982
	High Performance T8	Realization Rate	N/A	179%	N/A	177%	177%
	High Performance T8	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	High Performance T8	Net Adjusted Savings (kWh/yr)	0	17,697	0	99,305	117,002
	High Performance T8	Avg. Gross Savings per Participant (kWh/yr)	N/A	6,591	N/A	28,052	18,855
	High Performance T8	Avg. Net Savings per Participant (kWh/yr)	N/A	5,899	N/A	24,826	16,715
Installed Summer peak kW	High Performance T8	Total Gross Demand Reduction (kW)	0.0	4.5	0.0	26.3	30.8
	High Performance T8	Realization Rate	N/A	98%	N/A	98%	98%
	High Performance T8	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	High Performance T8	Net Adjusted Demand Reduction (kW)	0.0	2.2	0.0	12.9	15.1
	High Performance T8	Avg. Gross Demand Reduction per Participant (kW)	N/A	1.5	N/A	6.6	4.4
	High Performance T8	Avg. Net Demand Reduction per Participant (kW)	N/A	0.7	N/A	3.2	2.2
Installed Winter peak kW	High Performance T8	Total Gross Demand Reduction (kW)	-	-	-	-	0.0

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NC - Commercial Lighting Program			2011	2012	2013	2014	2011-2014
Category	Measure	Indicator	Total	Total	Total	Total	Total
	High Performance T8	Realization Rate	-	-	-	-	N/A
	High Performance T8	Net-To-Gross Rate	-	-	-	-	N/A
	High Performance T8	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	High Performance T8	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	High Performance T8	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	LED Lamps	Total Participants	0	6	0	12	18
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	40,998	0	338,382	379,380
	LED Lamps	Realization Rate	N/A	179%	N/A	177%	177%
	LED Lamps	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	36,636	0	299,468	336,105
	LED Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	6,833	N/A	28,199	21,077
	LED Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	6,106	N/A	24,956	18,672
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	9.3	0.0	74.1	83.5
	LED Lamps	Realization Rate	N/A	98%	N/A	98%	98%
	LED Lamps	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	4.6	0.0	36.3	40.9
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	1.6	N/A	6.2	4.6
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	0.8	N/A	3.0	2.3
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	LED Lamps	Realization Rate	-	-	-	-	N/A
	LED Lamps	Net-To-Gross Rate	-	-	-	-	N/A
	LED Lamps	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Metal Halide - Pulse Start	Total Participants	0	1	0	1	2
Installed kWh/year	Metal Halide - Pulse Start	Total Gross Energy Savings (kWh/yr)	0	4,563	0	1,220	5,783
	Metal Halide - Pulse Start	Realization Rate	N/A	179%	N/A	177%	179%
	Metal Halide - Pulse Start	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	Metal Halide - Pulse Start	Net Adjusted Savings (kWh/yr)	0	4,084	0	1,080	5,164
	Metal Halide - Pulse Start	Avg. Gross Savings per Participant (kWh/yr)	N/A	4,563	N/A	1,220	2,892
	Metal Halide - Pulse Start	Avg. Net Savings per Participant (kWh/yr)	N/A	4,084	N/A	1,080	2,582
Installed Summer peak kW	Metal Halide - Pulse Start	Total Gross Demand Reduction (kW)	0.0	1.8	0.0	0.2	2.0
	Metal Halide - Pulse Start	Realization Rate	N/A	98%	N/A	98%	98%
	Metal Halide - Pulse Start	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	Metal Halide - Pulse Start	Net Adjusted Demand Reduction (kW)	0.0	0.9	0.0	0.1	1.0
	Metal Halide - Pulse Start	Avg. Gross Demand Reduction per Participant (kW)	N/A	1.8	N/A	0.2	1.0
	Metal Halide - Pulse Start	Avg. Net Demand Reduction per Participant (kW)	N/A	0.9	N/A	0.10	0.5
Installed Winter peak kW	Metal Halide - Pulse Start	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Metal Halide - Pulse Start	Realization Rate	-	-	-	-	N/A
	Metal Halide - Pulse Start	Net-To-Gross Rate	-	-	-	-	N/A
	Metal Halide - Pulse Start	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Metal Halide - Pulse Start	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Metal Halide - Pulse Start	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Occupancy Sensors	Total Participants	1	1	0	0	2
Installed kWh/year	Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	166,464	26,393	0	16,193	209,050
	Occupancy Sensors	Realization Rate	177%	179%	N/A	177%	177%
	Occupancy Sensors	Net-To-Gross Rate	50%	50%	N/A	50%	50%
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	147,321	23,622	0	14,331	185,273
	Occupancy Sensors	Avg. Gross Savings per Participant (kWh/yr)	166,464	26,393	N/A	N/A	104,525
	Occupancy Sensors	Avg. Net Savings per Participant (kWh/yr)	147,321	23,622	N/A	N/A	92,636
Installed Summer peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	48.4	6.6	0.0	3.3	58.2
	Occupancy Sensors	Realization Rate	98%	98%	N/A	98%	98%

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NC - Commercial Lighting Program			2011	2012	2013	2014	2011-2014
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Occupancy Sensors	Net-To-Gross Rate	50%	50%	N/A	50%	50%
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	23.7	3.2	0.0	1.6	28.5
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	48.4	6.6	N/A	N/A	29.1
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	23.7	3.2	N/A	N/A	14.3
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Occupancy Sensors	Realization Rate	-	-	-	-	N/A
	Occupancy Sensors	Net-To-Gross Rate	-	-	-	-	N/A
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Other Efficient Lighting Technologies	Total Participants	0	0	0	0	0
Installed kWh/year	Other Efficient Lighting Technologies	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Other Efficient Lighting Technologies	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Other Efficient Lighting Technologies	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Other Efficient Lighting Technologies	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Other Efficient Lighting Technologies	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Other Efficient Lighting Technologies	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Other Efficient Lighting Technologies	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Other Efficient Lighting Technologies	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Other Efficient Lighting Technologies	Realization Rate	-	-	-	-	N/A
	Other Efficient Lighting Technologies	Net-To-Gross Rate	-	-	-	-	N/A
	Other Efficient Lighting Technologies	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Other Efficient Lighting Technologies	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Other Efficient Lighting Technologies	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	T5 With Electronic Ballast	Total Participants	0	0	0	0	0
Installed kWh/year	T5 With Electronic Ballast	Total Gross Energy Savings (kWh/yr)	1,620,936	140,613	0	177,149	1,938,698
	T5 With Electronic Ballast	Realization Rate	177%	179%	N/A	177%	177%
	T5 With Electronic Ballast	Net-To-Gross Rate	50%	50%	N/A	50%	50%
	T5 With Electronic Ballast	Net Adjusted Savings (kWh/yr)	1,434,529	125,848	0	156,777	1,717,154
	T5 With Electronic Ballast	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	T5 With Electronic Ballast	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	T5 With Electronic Ballast	Total Gross Demand Reduction (kW)	633.3	46.4	0.0	68.1	747.8
	T5 With Electronic Ballast	Realization Rate	98%	98%	N/A	98%	98%
	T5 With Electronic Ballast	Net-To-Gross Rate	50%	50%	N/A	50%	50%
	T5 With Electronic Ballast	Net Adjusted Demand Reduction (kW)	310.3	22.8	0.0	33.4	366.4
	T5 With Electronic Ballast	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	T5 With Electronic Ballast	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	T5 With Electronic Ballast	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	T5 With Electronic Ballast	Realization Rate	-	-	-	-	N/A
	T5 With Electronic Ballast	Net-To-Gross Rate	-	-	-	-	N/A
	T5 With Electronic Ballast	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	T5 With Electronic Ballast	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	T5 With Electronic Ballast	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	T8 With Electronic Ballast	Total Participants	0	13	0	1	14
Installed kWh/year	T8 With Electronic Ballast	Total Gross Energy Savings (kWh/yr)	0	174,251	0	22,948	197,199
	T8 With Electronic Ballast	Realization Rate	N/A	177%	N/A	177%	177%
	T8 With Electronic Ballast	Net-To-Gross Rate	N/A	50%	N/A	50%	50%

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NC - Commercial Lighting Program			2011	2012	2013	2014	2011-2014
Category	Measure	Indicator	Total	Total	Total	Total	Total
	T8 With Electronic Ballast	Net Adjusted Savings (kWh/yr)	0	154,215	0	20,309	174,524
	T8 With Electronic Ballast	Avg. Gross Savings per Participant (kWh/yr)	N/A	13,404	N/A	22,948	14,086
	T8 With Electronic Ballast	Avg. Net Savings per Participant (kWh/yr)	N/A	11,863	N/A	20,309	12,466
Installed Summer peak kW	T8 With Electronic Ballast	Total Gross Demand Reduction (kW)	0.0	40.6	0.0	5.0	45.6
	T8 With Electronic Ballast	Realization Rate	N/A	98%	N/A	98%	98%
	T8 With Electronic Ballast	Net-To-Gross Rate	N/A	50%	N/A	50%	50%
	T8 With Electronic Ballast	Net Adjusted Demand Reduction (kW)	0.0	19.9	0.0	2.4	22.4
	T8 With Electronic Ballast	Avg. Gross Demand Reduction per Participant (kW)	N/A	3.1	N/A	5.0	3.3
	T8 With Electronic Ballast	Avg. Net Demand Reduction per Participant (kW)	N/A	1.5	N/A	2.4	1.6
Installed Winter peak kW	T8 With Electronic Ballast	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	T8 With Electronic Ballast	Realization Rate	-	-	-	-	N/A
	T8 With Electronic Ballast	Net-To-Gross Rate	-	-	-	-	N/A
	T8 With Electronic Ballast	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	T8 With Electronic Ballast	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	T8 With Electronic Ballast	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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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K.34 North Carolina Commercial HVAC Program (Phase I) 2011–2014

K.34.1 2011-2014 North Carolina Commercial HVAC Program (Phase I) Annual Indicator Tables

NC - Commercial HVAC Upgrade Program Category	Measure	Indicator	2011 Total	2012 Total	2013 Total	2014 Total	2011-2014 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		Total	$15,093	$73,854	$50,910	$80,249	$220,106
Costs ($)		Planned	$55,015	$103,728	$97,195	$101,726	$357,665
Costs ($)		Variance	-$39,922	-$29,875	-$46,285	-$21,477	-$137,559
		Annual % of Planned	27%	71%	52%	79%	62%
Participants[1]		Total (Gross)	0	4	0	0	4
		Planned	2	11	0	5	18
		Variance	-2	-7	0	-5	-14
		Annual % of Planned (Gross)	0%	36%	N/A	0%	22%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	0	388,155	0	0	388,155
		Realization Rate Weighted by Measure	N/A	63%	N/A	N/A	63%
		Realization Rate Adjustment (kWh/yr)	0	-142,453	0	0	-142,453
		Realization Rate Adjusted Savings (kWh/yr)	0	245,702	0	0	245,702
		Net-To-Gross Rate Weighted by Measure	N/A	45%	N/A	N/A	45%
		Net-To-Gross Adjustment (kWh/yr)	0	-135,136	0	0	-135,136
		Net Adjusted Savings (kWh/yr)	0	110,566	0	0	110,566
		Planned Net Savings (kWh/yr)	58,153	299,847	0	167,666	525,666
		Annual % Toward Planned Net Savings	0%	36.9%	N/A	0%	21.0%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	97,039	N/A	N/A	97,039
		Avg. Net Savings per Participant (kWh/yr)	N/A	27,641	N/A	N/A	27,641
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	73.3	0.0	0.0	73.3
		Realization Rate Weighted by Measure	N/A	97%	N/A	N/A	97%
		Realization Rate Adjustment (kW)	0.0	-2.2	0.0	0.0	-2.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	0.0	71.1	0.0	0.0	71.1
		Net-To-Gross Rate Weighted by Measure	N/A	45%	N/A	N/A	45%
		Net-To-Gross Adjustment (kW)	0.0	-40.3	0.0	0.0	-40.3
		Net Adjusted Demand Reduction (kW)	0.0	32.0	0.0	0.0	32.0
		Planned Net Savings (kW)	22.0	122.0	0.0	0.0	144.0
		Annual % Toward Planned Net Reduction	0%	26.2%	N/A	N/A	22.2%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	18.3	N/A	N/A	18.3
		Avg. Net Demand Reduction per Participant (kW)	N/A	8.0	N/A	N/A	8.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$2,238	$3,532	$4,555	$4,555
		$Admin. per kWh/year (Gross)	N/A	$0.02	$0.04	$0.05	$0.05
		$Admin. per kW (Gross)	N/A	$122	$193	$249	$249
		$EM&V per $Total	81.6%	28.4%	18.1%	20.1%	20.1%
		$Rebate per Participant (Gross)	N/A	$6,323	$6,323	$6,323	$6,323

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K.34.2 2011-2014 North Carolina Commercial HVAC Program (Phase I) Measure Indicator Tables

NC - Commercial HVAC Upgrade Program			2011	2012	2013	2014	2011-2014
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Not Available	Total Participants		4			4
Installed kWh/year	Not Available	Total Gross Energy Savings (kWh/yr)		388,155			388,155
	Not Available	Realization Rate	N/A	63%	N/A	N/A	63%
	Not Available	Net-To-Gross Rate	N/A	45%	N/A	N/A	45%
	Not Available	Net Adjusted Savings (kWh/yr)		110,566			110,566
	Not Available	Avg. Gross Savings per Participant (kWh/yr)	N/A	97,039	N/A	N/A	97,039
	Not Available	Avg. Net Savings per Participant (kWh/yr)	N/A	27,641	N/A	N/A	27,641
Installed Summer peak kW	Not Available	Total Gross Demand Reduction (kW)		73.3			73.3
	Not Available	Realization Rate	N/A	97%	N/A	N/A	97%
	Not Available	Net-To-Gross Rate	N/A	45%	N/A	N/A	45%
	Not Available	Net Adjusted Demand Reduction (kW)		32.0			32.0
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	N/A	18.3	N/A	N/A	18.3
	Not Available	Avg. Net Demand Reduction per Participant (kW)	N/A	8.0	N/A	N/A	8.0
Installed Winter peak kW	Not Available	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Realization Rate	-	-	-	-	N/A
	Not Available	Net-To-Gross Rate	-	-	-	-	N/A
	Not Available	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Not Available	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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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K.35 North Carolina Non-Residential Duct Testing and Sealing Program (Phase II) 2014–2017

K.35.1 2014-2017 North Carolina Non-Residential Duct Testing and Sealing Program (Phase II) Annual Indicator Tables

NC - Non-Residential Duct Testing and Sealing Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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	160	160	881	0	1,201
		Variance	-100	-8	-848	5	-951
		Annual % of Planned (Gross)	38%	95%	4%	N/A	21%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	595,895	2,400,813	550,135	184,255	3,731,098
		Realization Rate Weighted by Measure	87%	87%	87%	87%	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
		Net-To-Gross Rate Weighted by Measure	97%	97%	97%	97%	97%
		Net-To-Gross Adjustment (kWh/yr)	-15,553	-62,661	-14,359	-4,809	-97,382
		Net Adjusted Savings (kWh/yr)	502,876	2,026,046	464,259	155,493	3,148,674
		Planned Net Savings (kWh/yr)	0	0	0	0	0
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A
		Avg. Gross Savings per Participant (kWh/yr)	9,932	15,795	16,671	36,851	14,924
		Avg. Net Savings per Participant (kWh/yr)	8,381	13,329	14,068	31,099	12,595
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	65.0	291.6	159.6	53.8	570.0
		Realization Rate Weighted by Measure	94%	94%	94%	94%	94%
		Realization Rate Adjustment (kW)	-3.9	-17.5	-9.6	-3.2	-34.2
		Realization Rate Adjusted Gross Demand Reduction (kW)	61.1	274.1	150.0	50.6	535.8
		Net-To-Gross Rate Weighted by Measure	97%	97%	97%	97%	97%
		Net-To-Gross Adjustment (kW)	-1.9	-8.7	-4.8	-1.6	-17.1
		Net Adjusted Demand Reduction (kW)	59.3	265.9	145.5	49.1	519.7
		Planned Net Savings (kW)	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
		Avg. Gross Demand Reduction per Participant (kW)	1.1	1.9	4.8	10.8	2.3
		Avg. Net Demand Reduction per Participant (kW)	1.0	1.7	4.4	9.8	2.1
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$135	$173	$195	$213	$213
		$Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	$124	$103	$92	$93	$93
		$EM&V per $Total	9.3%	2.9%	2.7%	2.8%	2.8%
		$Rebate per Participant (Gross)	$3,015	$3,911	$4,671	$5,058	$5,058

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K.35.2 2014-2017 North Carolina Non-Residential Duct Testing and Sealing Program (Phase II) Measure Indicator Tables

NC - Non-Residential Duct Testing and Sealing Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Not Available	Total Participants	60	152	33	5	250
Installed kWh/year	Not Available	Total Gross Energy Savings (kWh/yr)	595,895	2,400,813	550,135	184,255	3,731,098
	Not Available	Realization Rate	87%	87%	87%	87%	87%
	Not Available	Net-To-Gross Rate	97%	97%	97%	97%	97%
	Not Available	Net Adjusted Savings (kWh/yr)	502,876	2,026,046	464,259	155,493	3,148,674
	Not Available	Avg. Gross Savings per Participant (kWh/yr)	9,932	15,795	16,671	36,851	14,924
	Not Available	Avg. Net Savings per Participant (kWh/yr)	8,381	13,329	14,068	31,099	12,595
Installed Summer peak kW	Not Available	Total Gross Demand Reduction (kW)	65.0	291.6	159.6	53.8	570.0
	Not Available	Realization Rate	94%	94%	94%	94%	94%
	Not Available	Net-To-Gross Rate	97%	97%	97%	97%	97%
	Not Available	Net Adjusted Demand Reduction (kW)	59.3	265.9	145.5	49.1	519.7
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	1.1	1.9	4.8	10.8	2.3
	Not Available	Avg. Net Demand Reduction per Participant (kW)	1.0	1.7	4.4	9.8	2.1
Installed Winter peak kW	Not Available	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Realization Rate	-	-	-	-	N/A
	Not Available	Net-To-Gross Rate	-	-	-	-	N/A
	Not Available	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Not Available	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Not Available	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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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K.36 North Carolina Non-Residential Energy Audit Program (Phase II) 2014–2017

K.36.1 2014-2017 North Carolina Non-Residential Energy Audit Program (Phase II) Annual Indicator Tables

NC - Non-Residential Energy Audit Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
O&M ($)		Direct Rebate					
O&M ($)		Direct Implementation					
O&M ($)		Direct EM&V					
O&M ($)		Indirect Other (Administrative)					
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0
Costs ($)		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%
Participants[1]		Total (Gross)	16	78	12	2	108
		Planned	160	160	881	0	1,201
		Variance	-144	-82	-869	2	-1,093
		Annual % of Planned (Gross)	10%	49%	1%	N/A	9%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	495,669	225,418	270,829	825,840	1,817,756
		Realization Rate Weighted by Measure	99%	69%	94%	79%	85%
		Realization Rate Adjustment (kWh/yr)	-4,718	-70,988	-15,241	-175,528	-266,474
		Realization Rate Adjusted Savings (kWh/yr)	490,951	154,431	255,588	650,312	1,551,282
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%
		Net-To-Gross Adjustment (kWh/yr)	0	0	0	0	0
		Net Adjusted Savings (kWh/yr)	490,951	154,431	255,588	650,312	1,551,282
		Planned Net Savings (kWh/yr)	0	0	0	0	0
		Annual % Toward Planned Net Savings	N/A	N/A	N/A	N/A	N/A
		Avg. Gross Savings per Participant (kWh/yr)	30,979	2,890	22,569	412,920	16,831
		Avg. Net Savings per Participant (kWh/yr)	30,684	1,980	21,299	325,156	14,364
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	56.6	29.9	30.6	147.2	264.3
		Realization Rate Weighted by Measure	99%	64%	94%	79%	83%
		Realization Rate Adjustment (kW)	-0.5	-10.9	-1.7	-31.3	-44.4
		Realization Rate Adjusted Gross Demand Reduction (kW)	56.1	19.0	28.8	115.9	219.8
		Net-To-Gross Rate Weighted by Measure	100%	100%	100%	100%	100%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	0.0	0.0
		Net Adjusted Demand Reduction (kW)	56.1	19.0	28.8	115.9	219.8
		Planned Net Savings (kW)	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
		Avg. Gross Demand Reduction per Participant (kW)	3.5	0.4	2.5	73.6	2.4
		Avg. Net Demand Reduction per Participant (kW)	3.5	0.2	2.4	57.9	2.0
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$405	$103	$120	$154	$154
		$Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	$115	$112	$109	$63	$63
		$EM&V per $Total	12.2%	9.1%	8.7%	8.4%	8.4%
		$Rebate per Participant (Gross)	$8,988	$2,290	$2,810	$3,103	$3,103

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K.36.2 2014-2017 North Carolina Non-Residential Energy Audit Program (Phase II) Measure Indicator Tables

NC - Non-Residential Energy Audit Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
	Commercial Smart Strip Plug Outlet	Total Participants	0	0	0	0	0
Installed kWh/year	Commercial Smart Strip Plug Outlet	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Commercial Smart Strip Plug Outlet	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Commercial Smart Strip Plug Outlet	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Commercial Smart Strip Plug Outlet	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Commercial Smart Strip Plug Outlet	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Commercial Smart Strip Plug Outlet	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Commercial Smart Strip Plug Outlet	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Commercial Smart Strip Plug Outlet	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Commercial Smart Strip Plug Outlet	Realization Rate	-	-	-	-	N/A
	Commercial Smart Strip Plug Outlet	Net-To-Gross Rate	-	-	-	-	N/A
	Commercial Smart Strip Plug Outlet	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Commercial Smart Strip Plug Outlet	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Commercial Smart Strip Plug Outlet	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Closer	Total Participants	10	47	14	0	71
Installed kWh/year	Door Closer	Total Gross Energy Savings (kWh/yr)	5,372	6,120	10,804	259	22,555
	Door Closer	Realization Rate	90%	90%	90%	90%	90%
	Door Closer	Net-To-Gross Rate	100%	100%	100%	100%	100%
	Door Closer	Net Adjusted Savings (kWh/yr)	4,822	5,493	9,698	232	20,245
	Door Closer	Avg. Gross Savings per Participant (kWh/yr)	537	130	772	N/A	318
	Door Closer	Avg. Net Savings per Participant (kWh/yr)	482	117	693	N/A	285
Installed Summer peak kW	Door Closer	Total Gross Demand Reduction (kW)	0.6	0.7	1.2	0.0	2.6
	Door Closer	Realization Rate	91%	91%	91%	91%	91%
	Door Closer	Net-To-Gross Rate	100%	100%	100%	100%	100%
	Door Closer	Net Adjusted Demand Reduction (kW)	0.6	0.6	1.1	0.0	2.3
	Door Closer	Avg. Gross Demand Reduction per Participant (kW)	0.06	0.01	0.09	N/A	0.04
	Door Closer	Avg. Net Demand Reduction per Participant (kW)	0.06	0.01	0.08	N/A	0.03
Installed Winter peak kW	Door Closer	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Door Closer	Realization Rate	-	-	-	-	N/A
	Door Closer	Net-To-Gross Rate	-	-	-	-	N/A
	Door Closer	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Door Closer	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Closer	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Gasket	Total Participants	16	66	12	0	94
Installed kWh/year	Door Gasket	Total Gross Energy Savings (kWh/yr)	490,297	110,728	241,125	4,107	846,257
	Door Gasket	Realization Rate	99%	99%	99%	99%	99%
	Door Gasket	Net-To-Gross Rate	100%	100%	100%	100%	100%
	Door Gasket	Net Adjusted Savings (kWh/yr)	486,129	109,787	239,075	4,072	839,064
	Door Gasket	Avg. Gross Savings per Participant (kWh/yr)	30,644	1,678	20,094	N/A	9,003
	Door Gasket	Avg. Net Savings per Participant (kWh/yr)	30,383	1,663	19,923	N/A	8,926
Installed Summer peak kW	Door Gasket	Total Gross Demand Reduction (kW)	56.0	12.7	27.2	0.5	96.3
	Door Gasket	Realization Rate	99%	99%	99%	99%	99%
	Door Gasket	Net-To-Gross Rate	100%	100%	100%	100%	100%
	Door Gasket	Net Adjusted Demand Reduction (kW)	55.5	12.6	27.0	0.5	95.5
	Door Gasket	Avg. Gross Demand Reduction per Participant (kW)	3.5	0.2	2.3	N/A	1.0
	Door Gasket	Avg. Net Demand Reduction per Participant (kW)	3.5	0.2	2.2	N/A	1.0
Installed Winter peak kW	Door Gasket	Total Gross Demand Reduction (kW)	-	-	-	-	0.0

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NC - Non-Residential Energy Audit Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
	Door Gasket	Realization Rate	-	-	-	-	N/A
	Door Gasket	Net-To-Gross Rate	-	-	-	-	N/A
	Door Gasket	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Door Gasket	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Door Gasket	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Electronically Commutated Motor	Total Participants	0	0	0	14	14
Installed kWh/year	Electronically Commutated Motor	Total Gross Energy Savings (kWh/yr)	0	0	0	821,474	821,474
	Electronically Commutated Motor	Realization Rate	N/A	N/A	N/A	79%	79%
	Electronically Commutated Motor	Net-To-Gross Rate	N/A	N/A	N/A	100%	100%
	Electronically Commutated Motor	Net Adjusted Savings (kWh/yr)	0	0	0	646,008	646,008
	Electronically Commutated Motor	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	58,677	58,677
	Electronically Commutated Motor	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	46,143	46,143
Installed Summer peak kW	Electronically Commutated Motor	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	146.7	146.7
	Electronically Commutated Motor	Realization Rate	N/A	N/A	N/A	79%	79%
	Electronically Commutated Motor	Net-To-Gross Rate	N/A	N/A	N/A	100%	100%
	Electronically Commutated Motor	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	115.4	115.4
	Electronically Commutated Motor	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	10.5	10.5
	Electronically Commutated Motor	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	8.2	8.2
Installed Winter peak kW	Electronically Commutated Motor	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Electronically Commutated Motor	Realization Rate	-	-	-	-	N/A
	Electronically Commutated Motor	Net-To-Gross Rate	-	-	-	-	N/A
	Electronically Commutated Motor	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Electronically Commutated Motor	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Electronically Commutated Motor	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Condenser Coil Clean	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration Condenser Coil Clean	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Condenser Coil Clean	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Condenser Coil Clean	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Condenser Coil Clean	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Condenser Coil Clean	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Condenser Coil Clean	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Condenser Coil Clean	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Condenser Coil Clean	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Condenser Coil Clean	Realization Rate	-	-	-	-	N/A
	Refrigeration Condenser Coil Clean	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration Condenser Coil Clean	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Condenser Coil Clean	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Condenser Coil Clean	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration LED Lighting	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration LED Lighting	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration LED Lighting	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration LED Lighting	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration LED Lighting	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration LED Lighting	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration LED Lighting	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration LED Lighting	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration LED Lighting	Realization Rate	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Energy Audit Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Refrigeration LED Lighting	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration LED Lighting	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration LED Lighting	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration LED Lighting	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration LED Lighting	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration LED Lighting	Realization Rate	-	-	-	-	N/A
	Refrigeration LED Lighting	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration LED Lighting	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration LED Lighting	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration LED Lighting	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Occupancy Sensors	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration Occupancy Sensors	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Occupancy Sensors	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Occupancy Sensors	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Occupancy Sensors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Occupancy Sensors	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Occupancy Sensors	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Occupancy Sensors	Realization Rate	-	-	-	-	N/A
	Refrigeration Occupancy Sensors	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration Occupancy Sensors	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Realization Rate	-	-	-	-	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Anti-Sweat Heat Controls And Door Heater Controls (Freezers and Coolers)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Night Cover	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration Unit Night Cover	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Night Cover	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Night Cover	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Energy Audit Program			2014	2015	2016	2017	2014-2017
Category	Measure	Indicator	Total	Total	Total	Total	Total
	Refrigeration Unit Night Cover	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Night Cover	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Night Cover	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Unit Night Cover	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Night Cover	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Night Cover	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Night Cover	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Night Cover	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Unit Night Cover	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Night Cover	Realization Rate	-	-	-	-	N/A
	Refrigeration Unit Night Cover	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration Unit Night Cover	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Night Cover	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Night Cover	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Total Participants	0	0	0	0	0
Installed kWh/year	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Realization Rate	-	-	-	-	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net-To-Gross Rate	-	-	-	-	N/A
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Refrigeration Unit Suction Pipe Insulation (Freezers and Coolers)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Strip Curtain	Total Participants	0	64	6	0	70
Installed kWh/year	Strip Curtain	Total Gross Energy Savings (kWh/yr)	0	108,570	18,900	0	127,470
	Strip Curtain	Realization Rate	N/A	36%	36%	N/A	36%
	Strip Curtain	Net-To-Gross Rate	N/A	100%	100%	N/A	100%
	Strip Curtain	Net Adjusted Savings (kWh/yr)	0	39,150	6,815	0	45,966
	Strip Curtain	Avg. Gross Savings per Participant (kWh/yr)	N/A	1,696	3,150	N/A	1,821
	Strip Curtain	Avg. Net Savings per Participant (kWh/yr)	N/A	612	1,136	N/A	657
Installed Summer peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	0.0	16.5	2.2	0.0	18.7
	Strip Curtain	Realization Rate	N/A	35%	35%	N/A	35%
	Strip Curtain	Net-To-Gross Rate	N/A	100%	100%	N/A	100%
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	5.8	0.8	0.0	6.6
	Strip Curtain	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.3	0.4	N/A	0.3
	Strip Curtain	Avg. Net Demand Reduction per Participant (kW)	N/A	0.09	0.1	N/A	0.09
Installed Winter peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Strip Curtain	Realization Rate	-	-	-	-	N/A
	Strip Curtain	Net-To-Gross Rate	-	-	-	-	N/A
	Strip Curtain	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Strip Curtain	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-

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NC - Non-Residential Energy Audit Program Category	Measure	Indicator	2014 Total	2015 Total	2016 Total	2017 Total	2014-2017 Total
	Strip Curtain	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Vending Machine Controller (Cold Drink)	Total Participants	0	0	0	0	0
Installed kWh/year	Vending Machine Controller (Cold Drink)	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Vending Machine Controller (Cold Drink)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Vending Machine Controller (Cold Drink)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Vending Machine Controller (Cold Drink)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Vending Machine Controller (Cold Drink)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Vending Machine Controller (Cold Drink)	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Vending Machine Controller (Cold Drink)	Realization Rate	-	-	-	-	N/A
	Vending Machine Controller (Cold Drink)	Net-To-Gross Rate	-	-	-	-	N/A
	Vending Machine Controller (Cold Drink)	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Vending Machine Controller (Cold Drink)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Vending Machine Controller (Cold Drink)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-
	Zero-Heat Reach-In Glass Doors	Total Participants	0	0	0	0	0
Installed kWh/year	Zero-Heat Reach-In Glass Doors	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0
	Zero-Heat Reach-In Glass Doors	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Net Adjusted Savings (kWh/yr)	0	0	0	0	0
	Zero-Heat Reach-In Glass Doors	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Zero-Heat Reach-In Glass Doors	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Zero-Heat Reach-In Glass Doors	Realization Rate	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0
	Zero-Heat Reach-In Glass Doors	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
	Zero-Heat Reach-In Glass Doors	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Zero-Heat Reach-In Glass Doors	Total Gross Demand Reduction (kW)	-	-	-	-	0.0
	Zero-Heat Reach-In Glass Doors	Realization Rate	-	-	-	-	N/A
	Zero-Heat Reach-In Glass Doors	Net-To-Gross Rate	-	-	-	-	N/A
	Zero-Heat Reach-In Glass Doors	Net Adjusted Demand Reduction (kW)	-	-	-	-	0.0
	Zero-Heat Reach-In Glass Doors	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-
	Zero-Heat Reach-In Glass Doors	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-

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

K.37.1 2015-2020 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase III) Annual Indicator Tables

NC - Non-Residential Heating and Cooling Efficiency Program			2015	2016	2017	2018	2019	2020	2015-2020
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)							
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$40,347	$52,963	$59,792	$77,749	$57,884	$15,659	$304,393
Costs ($)		Planned	$124,310	$121,415	$122,498	$126,949	$101,892	$0	$597,064
Costs ($)		Variance	-$83,963	-$68,452	-$62,706	-$49,200	-$44,007	$15,659	-$292,671
		Annual % of Planned	32%	44%	49%	61%	57%	N/A	51%
Participants[1]		Total (Gross)	3	6	3	3	1	0	16
		Planned	48	52	53	53	12	0	218
		Variance	-45	-46	-50	-50	-11	0	-202
		Annual % of Planned (Gross)	6%	12%	6%	6%	8%	N/A	7%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	91,144	289,500	82,971	225,775	83,099	0	772,489
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	0	0	0	0
		Realization Rate Adjusted Savings (kWh/yr)	91,144	289,500	82,971	225,775	83,099	0	772,489
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	N/A	70%
		Net-To-Gross Adjustment (kWh/yr)	-27,343	-86,850	-24,891	-67,732	-24,930	0	-231,747
		Net Adjusted Savings (kWh/yr)	63,801	202,650	58,080	158,042	58,170	0	540,742
		Planned Net Savings (kWh/yr)	606,768	1,619,973	2,563,872	2,043,754	168,545	0	7,002,913
		Annual % Toward Planned Net Savings	10.5%	12.5%	2.27%	7.73%	34.5%	N/A	7.72%
		Avg. Gross Savings per Participant (kWh/yr)	30,381	48,250	27,657	75,258	83,099	N/A	48,281
		Avg. Net Savings per Participant (kWh/yr)	21,267	33,775	19,360	52,681	58,170	N/A	33,796
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	26.9	93.2	-40.3	84.7	13.3	0.0	177.9
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	N/A	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)	26.9	93.2	-40.3	84.7	13.3	0.0	177.9
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	N/A	70%
		Net-To-Gross Adjustment (kW)	-8.1	-28.0	12.1	-25.4	-4.0	0.0	-53.4
		Net Adjusted Demand Reduction (kW)	18.8	65.3	-28.2	59.3	9.3	0.0	124.5
		Planned Net Savings (kW)	154.2	274.7	1,042.3	497.0	41.0	0.0	2,009.1
		Annual % Toward Planned Net Reduction	12.2%	23.8%	-2.70%	11.9%	22.8%	N/A	6.20%
		Avg. Gross Demand Reduction per Participant (kW)	9.0	15.5	-13.42	28.2	13.3	N/A	11.1
		Avg. Net Demand Reduction per Participant (kW)	6.3	10.9	-9.40	19.8	9.3	N/A	7.8
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$453	$330	$444	$648	$790	$835	$835
		$Admin. per kWh/year (Gross)	$0.01	$0.01	$0.01	$0.01	$0.02	$0.02	$0.02
		$Admin. per kW (Gross)	$51	$25	$67	$59	$71	$75	$75
		$EM&V per $Total	13.8%	14.2%	14.4%	13.1%	12.0%	16.3%	16.3%
		$Rebate per Participant (Gross)	$2,728	$3,179	$4,133	$5,629	$6,635	$6,635	$6,635

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K.37.2 2015-2020 North Carolina Non-Residential Heating and Cooling Efficiency Program (Phase III) Measure Indicator Tables

NC - Non-Residential Heating and Cooling Efficiency Program			2015	2016	2017	2018	2019	2020	2015-2020
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
	Chiller Upgrade	Total Participants	0	1	0	2	1	0	4
Installed kWh/year	Chiller Upgrade	Total Gross Energy Savings (kWh/yr)	0	51,424	0	149,741	61,281	0	262,447
	Chiller Upgrade	Realization Rate	N/A	100%	N/A	100%	100%	N/A	100%
	Chiller Upgrade	Net-To-Gross Rate	N/A	70%	N/A	70%	70%	N/A	70%
	Chiller Upgrade	Net Adjusted Savings (kWh/yr)	0	35,997	0	104,819	42,897	0	183,713
	Chiller Upgrade	Avg. Gross Savings per Participant (kWh/yr)	N/A	51,424	N/A	74,871	61,281	N/A	65,612
	Chiller Upgrade	Avg. Net Savings per Participant (kWh/yr)	N/A	35,997	N/A	52,409	42,897	N/A	45,928
Installed Summer peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	0.0	77.3	0.0	79.2	11.4	0.0	167.9
	Chiller Upgrade	Realization Rate	N/A	100%	N/A	100%	100%	N/A	100%
	Chiller Upgrade	Net-To-Gross Rate	N/A	70%	N/A	70%	70%	N/A	70%
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	0.0	54.1	0.0	55.5	8.0	0.0	117.5
	Chiller Upgrade	Avg. Gross Demand Reduction per Participant (kW)	N/A	77.3	N/A	39.6	11.4	N/A	42.0
	Chiller Upgrade	Avg. Net Demand Reduction per Participant (kW)	N/A	54.1	N/A	27.7	8.0	N/A	29.4
Installed Winter peak kW	Chiller Upgrade	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Chiller Upgrade	Realization Rate	-	-	-	-	-	-	N/A
	Chiller Upgrade	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Chiller Upgrade	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Chiller Upgrade	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Chiller Upgrade	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Economizers	Total Participants	1	0	2	0	0	0	3
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	1,550	0	12,481	0	0	0	14,031
	Economizers	Realization Rate	100%	N/A	100%	N/A	N/A	N/A	100%
	Economizers	Net-To-Gross Rate	70%	N/A	70%	N/A	N/A	N/A	70%
	Economizers	Net Adjusted Savings (kWh/yr)	1,085	0	8,737	0	0	0	9,822
	Economizers	Avg. Gross Savings per Participant (kWh/yr)	1,550	N/A	6,241	N/A	N/A	N/A	4,677
	Economizers	Avg. Net Savings per Participant (kWh/yr)	1,085	N/A	4,368	N/A	N/A	N/A	3,274
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	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	0.0	N/A	0.0	N/A	N/A	N/A	0.0
	Economizers	Avg. Net Demand Reduction per Participant (kW)	0.0	N/A	0.0	N/A	N/A	N/A	0.0
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Economizers	Realization Rate	-	-	-	-	-	-	N/A
	Economizers	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Economizers	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Heat Pump Upgrade	Total Participants	1	1	1	0	1	0	4
Installed kWh/year	Heat Pump Upgrade	Total Gross Energy Savings (kWh/yr)	3,868	1,231	8,521	0	177	0	13,797
	Heat Pump Upgrade	Realization Rate	100%	100%	100%	N/A	100%	N/A	100%
	Heat Pump Upgrade	Net-To-Gross Rate	70%	70%	70%	N/A	70%	N/A	70%
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	2,708	861	5,965	0	124	0	9,658
	Heat Pump Upgrade	Avg. Gross Savings per Participant (kWh/yr)	3,868	1,231	8,521	N/A	177	N/A	3,449
	Heat Pump Upgrade	Avg. Net Savings per Participant (kWh/yr)	2,708	861	5,965	N/A	124	N/A	2,415
Installed Summer peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	3.6	0.4	-1.4	0.0	0.1	0.0	2.7
	Heat Pump Upgrade	Realization Rate	100%	100%	100%	N/A	100%	N/A	100%
	Heat Pump Upgrade	Net-To-Gross Rate	70%	70%	70%	N/A	70%	N/A	70%
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	2.5	0.3	-1.0	0.0	0.1	0.0	1.9
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	3.6	0.4	-1.38	N/A	0.1	N/A	0.7
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	2.5	0.3	-0.97	N/A	0.09	N/A	0.5
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0

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NC - Non-Residential Heating and Cooling Efficiency Program			2015	2016	2017	2018	2019	2020	2015-2020
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
	Heat Pump Upgrade	Realization Rate	-	-	-	-	-	-	N/A
	Heat Pump Upgrade	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Mini Split	Total Participants	0	0	0	2	0	0	2
Installed kWh/year	Mini Split	Total Gross Energy Savings (kWh/yr)	0	0	0	76,033	0	0	76,033
	Mini Split	Realization Rate	N/A	N/A	N/A	100%	N/A	N/A	100%
	Mini Split	Net-To-Gross Rate	N/A	N/A	N/A	70%	N/A	N/A	70%
	Mini Split	Net Adjusted Savings (kWh/yr)	0	0	0	53,223	0	0	53,223
	Mini Split	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	38,017	N/A	N/A	38,017
	Mini Split	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	26,612	N/A	N/A	26,612
Installed Summer peak kW	Mini Split	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	5.4	0.0	0.0	5.4
	Mini Split	Realization Rate	N/A	N/A	N/A	100%	N/A	N/A	100%
	Mini Split	Net-To-Gross Rate	N/A	N/A	N/A	70%	N/A	N/A	70%
	Mini Split	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	3.8	0.0	0.0	3.8
	Mini Split	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	2.7	N/A	N/A	2.7
	Mini Split	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	1.9	N/A	N/A	1.9
Installed Winter peak kW	Mini Split	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Mini Split	Realization Rate	-	-	-	-	-	-	N/A
	Mini Split	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Mini Split	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Mini Split	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Mini Split	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Unitary AC	Total Participants	1	0	1	0	0	0	2
Installed kWh/year	Unitary AC	Total Gross Energy Savings (kWh/yr)	29,993	0	5,530	0	0	0	35,524
	Unitary AC	Realization Rate	100%	N/A	100%	N/A	N/A	N/A	100%
	Unitary AC	Net-To-Gross Rate	70%	N/A	70%	N/A	N/A	N/A	70%
	Unitary AC	Net Adjusted Savings (kWh/yr)	20,995	0	3,871	0	0	0	24,867
	Unitary AC	Avg. Gross Savings per Participant (kWh/yr)	29,993	N/A	5,530	N/A	N/A	N/A	17,762
	Unitary AC	Avg. Net Savings per Participant (kWh/yr)	20,995	N/A	3,871	N/A	N/A	N/A	12,433
Installed Summer peak kW	Unitary AC	Total Gross Demand Reduction (kW)	19.7	0.0	-43.9	0.0	0.0	0.0	-24.2
	Unitary AC	Realization Rate	100%	N/A	100%	N/A	N/A	N/A	100%
	Unitary AC	Net-To-Gross Rate	70%	N/A	70%	N/A	N/A	N/A	70%
	Unitary AC	Net Adjusted Demand Reduction (kW)	13.8	0.0	-30.7	0.0	0.0	0.0	-16.9
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	19.7	N/A	-43.88	N/A	N/A	N/A	-12.09
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	13.8	N/A	-30.71	N/A	N/A	N/A	-8.46
Installed Winter peak kW	Unitary AC	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Unitary AC	Realization Rate	-	-	-	-	-	-	N/A
	Unitary AC	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Unitary AC	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Unitary AC	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Unitary AC	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Variable Frequency Drives (VFD)	Total Participants	2	3	1	0	1	0	7
Installed kWh/year	Variable Frequency Drives (VFD)	Total Gross Energy Savings (kWh/yr)	55,733	27,495	56,438	0	21,641	0	161,306
	Variable Frequency Drives (VFD)	Realization Rate	100%	100%	100%	N/A	100%	N/A	100%
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	70%	70%	70%	N/A	70%	N/A	70%
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	39,013	19,246	39,507	0	15,149	0	112,915
	Variable Frequency Drives (VFD)	Avg. Gross Savings per Participant (kWh/yr)	27,866	9,165	56,438	N/A	21,641	N/A	23,044
	Variable Frequency Drives (VFD)	Avg. Net Savings per Participant (kWh/yr)	19,507	6,415	39,507	N/A	15,149	N/A	16,131
Installed Summer peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	3.6	1.9	5.0	0.0	1.8	0.0	12.3
	Variable Frequency Drives (VFD)	Realization Rate	100%	100%	100%	N/A	100%	N/A	100%

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NC - Non-Residential Heating and Cooling Efficiency Program			2015	2016	2017	2018	2019	2020	2015-2020
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	70%	70%	70%	N/A	70%	N/A	70%
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	2.5	1.3	3.5	0.0	1.3	0.0	8.6
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	1.8	0.6	5.0	N/A	1.8	N/A	1.8
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	1.3	0.4	3.5	N/A	1.3	N/A	1.2
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Variable Frequency Drives (VFD)	Realization Rate	-	-	-	-	-	-	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Variable Refrigerant Flow	Total Participants	0	2	0	0	0	0	2
Installed kWh/year	Variable Refrigerant Flow	Total Gross Energy Savings (kWh/yr)	0	209,351	0	0	0	0	209,351
	Variable Refrigerant Flow	Realization Rate	N/A	100%	N/A	N/A	N/A	N/A	100%
	Variable Refrigerant Flow	Net-To-Gross Rate	N/A	70%	N/A	N/A	N/A	N/A	70%
	Variable Refrigerant Flow	Net Adjusted Savings (kWh/yr)	0	146,545	0	0	0	0	146,545
	Variable Refrigerant Flow	Avg. Gross Savings per Participant (kWh/yr)	N/A	104,675	N/A	N/A	N/A	N/A	104,675
	Variable Refrigerant Flow	Avg. Net Savings per Participant (kWh/yr)	N/A	73,273	N/A	N/A	N/A	N/A	73,273
Installed Summer peak kW	Variable Refrigerant Flow	Total Gross Demand Reduction (kW)	0.0	13.7	0.0	0.0	0.0	0.0	13.7
	Variable Refrigerant Flow	Realization Rate	N/A	100%	N/A	N/A	N/A	N/A	100%
	Variable Refrigerant Flow	Net-To-Gross Rate	N/A	70%	N/A	N/A	N/A	N/A	70%
	Variable Refrigerant Flow	Net Adjusted Demand Reduction (kW)	0.0	9.6	0.0	0.0	0.0	0.0	9.6
	Variable Refrigerant Flow	Avg. Gross Demand Reduction per Participant (kW)	N/A	6.8	N/A	N/A	N/A	N/A	6.8
	Variable Refrigerant Flow	Avg. Net Demand Reduction per Participant (kW)	N/A	4.8	N/A	N/A	N/A	N/A	4.8
Installed Winter peak kW	Variable Refrigerant Flow	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Variable Refrigerant Flow	Realization Rate	-	-	-	-	-	-	N/A
	Variable Refrigerant Flow	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	Variable Refrigerant Flow	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	Variable Refrigerant Flow	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	Variable Refrigerant Flow	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-

1. A participant is a unique account number.

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K.38 North Carolina Non-Residential Lighting Systems & Controls Program (Phase III) 2015–2023

K.38.1 2015-2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase III) Annual Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program Category	Measure	Indicator	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2022 Total	2023 Total	2015-2023 Total
O&M ($)		Direct Rebate										
O&M ($)		Direct Implementation										
O&M ($)		Direct EM&V										
O&M ($)		Indirect Other (Administrative)										
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$122,739	$393,406	$252,605	$249,209	$413,562	$88,425	$0	$0	$0	$1,519,945
Costs ($)		Planned	$357,955	$359,278	$347,298	$403,711	$230,531	$0	$0	$0	$0	$1,698,773
Costs ($)		Variance	-$235,216	$34,128	-$94,693	-$154,502	$183,030	$88,425	$0	$0	$0	-$178,829
		Annual % of Planned	34%	109%	73%	62%	179%	N/A	N/A	N/A	N/A	89%
Participants[1]		Total (Gross)	13	43	23	43	62	17	0	0	0	201
		Planned	96	102	104	119	43	0	0	0	0	464
		Variance	-83	-59	-81	-76	19	17	0	0	0	-263
		Annual % of Planned (Gross)	14%	42%	22%	36%	144%	N/A	N/A	N/A	N/A	43%
Installed kWh/year	Total	Total Gross Energy Savings (kWh/yr)	564,326	3,333,527	1,738,121	5,172,076	3,030,032	601,830	0	0	0	14,439,912
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	N/A	N/A	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	0	0	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	0	0	0	14,439,912
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	70%	N/A	N/A	N/A	70%
		Net-To-Gross Adjustment (kWh/yr)	-169,298	-1,000,058	-521,436	-1,551,623	-909,010	-180,549	0	0	0	-4,331,973
		Net Adjusted Savings (kWh/yr)	395,028	2,333,469	1,216,685	3,620,453	2,121,023	421,281	0	0	0	10,107,938
		Planned Net Savings (kWh/yr)	1,752,864	1,619,973	2,220,165	2,661,116	1,213,184	0	0	0	0	9,467,302
		Annual % Toward Planned Net Savings	22.5%	144.0%	54.8%	136.1%	174.8%	N/A	N/A	N/A	N/A	106.8%
		Avg. Gross Savings per Participant (kWh/yr)	43,410	77,524	75,570	120,281	48,871	35,402	N/A	N/A	N/A	71,840
		Avg. Net Savings per Participant (kWh/yr)	30,387	54,267	52,899	84,197	34,210	24,781	N/A	N/A	N/A	50,288
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	104.6	743.2	334.5	1,109.9	594.3	94.8	0.0	0.0	0.0	2,981.3
		Realization Rate Weighted by Measure	100%	100%	100%	100%	100%	100%	N/A	N/A	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
		Realization Rate Adjusted Gross Demand Reduction (kW)	104.6	743.2	334.5	1,109.9	594.3	94.8	0.0	0.0	0.0	2,981.3
		Net-To-Gross Rate Weighted by Measure	70%	70%	70%	70%	70%	70%	N/A	N/A	N/A	70%
		Net-To-Gross Adjustment (kW)	-31.4	-223.0	-100.4	-333.0	-178.3	-28.4	0.0	0.0	0.0	-894.4
		Net Adjusted Demand Reduction (kW)	73.2	520.2	234.2	777.0	416.0	66.4	0.0	0.0	0.0	2,086.9
		Planned Net Savings (kW)	490.2	274.7	366.7	479.0	218.5	0.0	0.0	0.0	0.0	1,829.1
		Annual % Toward Planned Net Reduction	14.9%	189.4%	63.9%	162.2%	190.4%	N/A	N/A	N/A	N/A	114.1%
		Avg. Gross Demand Reduction per Participant (kW)	8.0	17.3	14.5	25.8	9.6	5.6	N/A	N/A	N/A	14.8
		Avg. Net Demand Reduction per Participant (kW)	5.6	12.1	10.2	18.1	6.7	3.9	N/A	N/A	N/A	10.4
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	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
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$270	$276	$322	$324	$336	$332	$332	$332	$332	$332
		$Admin. per kWh/year (Gross)	$0.01	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		$Admin. per kW (Gross)	$34	$18	$21	$17	$21	$22	$22	$22	$22	$22
		$EM&V per $Total	6.4%	2.9%	2.8%	2.7%	2.2%	2.7%	2.7%	2.7%	2.7%	2.7%
		$Rebate per Participant (Gross)	$5,260	$7,166	$7,482	$6,364	$5,974	$5,831	$5,831	$5,831	$5,831	$5,831

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K.38.2 2023 North Carolina Non-Residential Lighting Systems & Controls Program (Phase III) Monthly Indicator Tables

NC - Non-Residential Lighting Systems & Controls Program Category	Measure	Indicator	2023 JAN	2023 FEB	2023 MAR	2023 APR	2023 MAY	2023 JUN	2023 JUL	2023 AUG	2023 SEP	2023 OCT	2023 NOV	2023 DEC	2023 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	$0	$0	$0
Capital ($)		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	$0	$0	$0
Costs ($)		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	$0	$0	$0
		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	N/A	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 (kW)	0.0	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	N/A	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 (kW)	0.0	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)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		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	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$332	$332	$332	$332	$332	$332	$332	$332	$332	$332	$332	$332	$332
		$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
		$Admin. per kW (Gross)	$22	$22	$22	$22	$22	$22	$22	$22	$22	$22	$22	$22	$22
		$EM&V per $Total	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%
		$Rebate per Participant (Gross)	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831	$5,831

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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K.39 North Carolina Non-Residential Window Film Program (Phase III) 2015–2020

K.39.1 2015-2020 North Carolina Non-Residential Window Film Program (Phase III) Annual Indicator Tables

NC - Non-Residential Window Film Program Category	Measure	Indicator	2015 Total	2016 Total	2017 Total	2018 Total	2019 Total	2020 Total	2015-2020 Total
O&M ($)		Direct Rebate							
O&M ($)		Direct Implementation							
O&M ($)		Direct EM&V							
O&M ($)		Indirect Other (Administrative)							
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	$24,693	$26,289	$22,104	$17,432	$6,937	$0	$97,455
Costs ($)		Variance	$0	$0	$0	$0	$0	$1,612	$1,612
		Annual % of Planned	100%	100%	100%	100%	100%	N/A	102%
Participants[1]		Total (Gross)	0	0	0	1	0	0	1
		Total Square Feet	0	0	0	402	0	0	402
		Planned Square Feet	48,000	76,742	91,659	95,900	0	0	312,301
		Variance Square Feet	-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	Total Gross Energy Savings (kWh/yr)	0	0	0	4,516	0	0	4,516
		Realization Rate Weighted by Measure	N/A	N/A	N/A	100%	N/A	N/A	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
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	80%	N/A	N/A	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	1,064,074	1,016,658	691,176	0	0	2,772,773
		Annual % Toward Planned Net Savings	0%	0%	0%	0.52%	N/A	N/A	0.13%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	4,516	N/A	N/A	4,516
		Avg. Gross Savings per Square Feet (kWh/yr)	N/A	N/A	N/A	11.2	N/A	N/A	11.2
		Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	3,613	N/A	N/A	3,613
		Avg. Net Savings per Square Feet (kWh/yr)	N/A	N/A	N/A	9.0	N/A	N/A	9.0
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.7	0.0	0.0	0.7
		Realization Rate Weighted by Measure	N/A	N/A	N/A	100%	N/A	N/A	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	0.7	0.0	0.0	0.7
		Net-To-Gross Rate Weighted by Measure	N/A	N/A	N/A	80%	N/A	N/A	80%
		Net-To-Gross Adjustment (kW)	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
		Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.6	0.0	0.0	0.6
		Planned Net Savings (kW)	0.4	973.7	915.1	635.2	0.0	0.0	2,524.5
		Annual % Toward Planned Net Reduction	0%	0%	0%	0.09%	N/A	N/A	0.02%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.7	N/A	N/A	0.7
		Avg. Gross Demand Reduction per Square Feet (kW)	N/A	N/A	N/A	0.002	N/A	N/A	0.002
		Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.6	N/A	N/A	0.6
		Avg. Net Demand Reduction Square Feet (kW)	N/A	N/A	N/A	0.001	N/A	N/A	0.001
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Realization Rate Weighted by Measure	-	-	-	-	-	-	N/A
		Realization Rate Adjustment (kW)	-	-	-	-	-	-	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	-	N/A
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-	0.0
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	-	-	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
		Avg. Gross Demand Reduction per Square Feet (kW)	-	-	-	-	-	-	-
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
		Avg. Net Demand Reduction Square Feet (kW)	-	-	-	-	-	-	-
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	N/A	N/A	$3,504	$3,849	$3,941	$3,941
		$Admin. per kWh/year (Gross)	N/A	N/A	N/A	$1	$1	$1	$1
		$Admin. per kW (Gross)	N/A	N/A	N/A	$4,760	$5,227	$5,352	$5,352
		$EM&V per $Total	18.2%	23.6%	24.2%	25.2%	27.0%	28.1%	28.1%
		$Rebate per Participant (Gross)	N/A	N/A	N/A	$342	$342	$342	$342

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K.39.2 2015-2020 North Carolina Non-Residential Window Film Program (Phase III) Measure Indicator Tables

NC - Non-Residential Window Film Program			2015	2016	2017	2018	2019	2020	2015-2020
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
	East	Total Participants	0	0	0	1	0	0	1
	East	Total Square Feet	0	0	0	402	0	0	402
Installed kWh/year	East	Total Gross Energy Savings (kWh/yr)	0	0	0	4,516	0	0	4,516
	East	Realization Rate	N/A	N/A	N/A	100%	N/A	N/A	100%
	East	Net-To-Gross Rate	N/A	N/A	N/A	80%	N/A	N/A	80%
	East	Net Adjusted Savings (kWh/yr)	0	0	0	3,613	0	0	3,613
	East	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	4,516	N/A	N/A	4,516
	East	Avg. Gross Savings per Square Feet (kWh/yr)	N/A	N/A	N/A	11.2	N/A	N/A	11.2
	East	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	3,613	N/A	N/A	3,613
	East	Avg. Net Savings per Square Feet (kWh/yr)	N/A	N/A	N/A	9.0	N/A	N/A	9.0
Installed Summer peak kW	East	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.7	0.0	0.0	0.7
	East	Realization Rate	N/A	N/A	N/A	100%	N/A	N/A	100%
	East	Net-To-Gross Rate	N/A	N/A	N/A	80%	N/A	N/A	80%
	East	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.6	0.0	0.0	0.6
	East	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.7	N/A	N/A	0.7
	East	Avg. Gross Demand Reduction per Square Feet (kW)	N/A	N/A	N/A	0.00	N/A	N/A	0.00
	East	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	0.6	N/A	N/A	0.6
	East	Avg. Net Demand Reduction per Square Feet (kW)	N/A	N/A	N/A	0.00	N/A	N/A	0.00
Installed Winter peak kW	East	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	East	Realization Rate	-	-	-	-	-	-	N/A
	East	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	East	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	East	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	East	Avg. Gross Demand Reduction per Square Feet (kW)	-	-	-	-	-	-	-
	East	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	East	Avg. Net Demand Reduction per Square Feet (kW)	-	-	-	-	-	-	-
	North	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	North	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	North	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
	North	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	North	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	North	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	North	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	North	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	North	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	North	Realization Rate	-	-	-	-	-	-	N/A
	North	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	North	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	North	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	North	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	South	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	South	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	South	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
	South	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	South	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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NC - Non-Residential Window Film Program			2015	2016	2017	2018	2019	2020	2015-2020
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total
	South	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	South	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	South	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	South	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	South	Realization Rate	-	-	-	-	-	-	N/A
	South	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	South	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	South	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	South	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	West	Total Participants	0	0	0	0	0	0	0
Installed kWh/year	West	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0
	West	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0
	West	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	West	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	West	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	West	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	West	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	West	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	0.0
	West	Realization Rate	-	-	-	-	-	-	N/A
	West	Net-To-Gross Rate	-	-	-	-	-	-	N/A
	West	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	0.0
	West	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-
	West	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-

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

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K.40 North Carolina Residential Income and Age Qualifying Home Improvement Program (Phase IV) 2016-2021

K.40.1 2016-2021 North Carolina Residential Income and Age Qualifying Home Improvement Program (Phase IV) 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)							
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)	-	-	-	-	-	3.8	3.8
		Realization Rate Weighted by Measure	-	-	-	-	-	100%	100%
		Realization Rate Adjustment (kW)	-	-	-	-	-	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	3.8	3.8
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	80%	80%
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-0.8	-0.8
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	3.1	3.1
		Planned Net Savings (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Annual % Toward Planned Net Reduction	-	-	-	-	-	N/A	N/A
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.06	0.06
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.04	0.04
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	$57	$76	$83	$76	$79	$76	$76
		$Admin. per kWh/year (Gross)	$0.08	$0	$0	$0	$0	$0	$0
		$Admin. per kW (Gross)	$847	$1,108	$1,203	$826	$830	$880	$880
		$EM&V per $Total	2.0%	2.2%	3.0%	3.0%	3.5%	4.0%	4.0%
		$Rebate per Participant (Gross)	$1,442	$1,667	$1,667	$1,508	$1,487	$1,401	$1,401

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K.40.2 2016-2021 North Carolina Residential Income and Age Qualifying Home Improvement Program (Phase IV) Measure 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
	40W LED	Total Participants	5	1	0	32	8	27	73
Installed kWh/year	40W LED	Total Gross Energy Savings (kWh/yr)	967	188	0	1,713	451	2,308	5,626
	40W LED	Realization Rate	105%	105%	N/A	105%	105%	100%	103%
	40W LED	Net-To-Gross Rate	100%	100%	N/A	100%	100%	80%	92%
	40W LED	Net Adjusted Savings (kWh/yr)	1,015	198	0	1,798	473	1,846	5,330
	40W LED	Avg. Gross Savings per Participant (kWh/yr)	193	188	N/A	54	56	85	77
	40W LED	Avg. Net Savings per Participant (kWh/yr)	203	198	N/A	56	59	68	73
Installed Summer peak kW	40W LED	Total Gross Demand Reduction (kW)	0.1	0.0	0.0	0.2	0.0	0.2	0.5
	40W LED	Realization Rate	105%	105%	N/A	105%	105%	100%	103%
	40W LED	Net-To-Gross Rate	100%	100%	N/A	100%	100%	80%	92%
	40W LED	Net Adjusted Demand Reduction (kW)	0.1	0.0	0.0	0.2	0.0	0.2	0.5
	40W LED	Avg. Gross Demand Reduction per Participant (kW)	0.02	0.02	N/A	0.00	0.01	0.01	0.01
	40W LED	Avg. Net Demand Reduction per Participant (kW)	0.02	0.02	N/A	0.01	0.01	0.01	0.01
Installed Winter peak kW	40W LED	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.5	0.5
	40W LED	Realization Rate	-	-	-	-	-	100%	100%
	40W LED	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	40W LED	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.4	0.4
	40W LED	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.02	0.02
	40W LED	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.01	0.01
	60W LED	Total Participants	149	124	1	92	7	6	379
Installed kWh/year	60W LED	Total Gross Energy Savings (kWh/yr)	38,969	32,538	148	11,676	926	814	85,070
	60W LED	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	60W LED	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	100%
	60W LED	Net Adjusted Savings (kWh/yr)	40,917	34,165	155	12,259	972	651	89,120
	60W LED	Avg. Gross Savings per Participant (kWh/yr)	262	262	148	127	132	136	224
	60W LED	Avg. Net Savings per Participant (kWh/yr)	275	276	155	133	139	109	235
Installed Summer peak kW	60W LED	Total Gross Demand Reduction (kW)	3.7	3.1	0.0	1.1	0.1	0.1	8.1
	60W LED	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	60W LED	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	100%
	60W LED	Net Adjusted Demand Reduction (kW)	3.9	3.2	0.0	1.1	0.1	0.1	8.5
	60W LED	Avg. Gross Demand Reduction per Participant (kW)	0.03	0.02	0.02	0.01	0.01	0.01	0.02
	60W LED	Avg. Net Demand Reduction per Participant (kW)	0.03	0.03	0.02	0.01	0.01	0.01	0.02
Installed Winter peak kW	60W LED	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.2	0.2
	60W LED	Realization Rate	-	-	-	-	-	100%	100%
	60W LED	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	60W LED	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.1	0.1
	60W LED	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.03	0.03
	60W LED	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.02	0.02
	Attic Insulation	Total Participants	148	123	1	106	14	70	462
Installed kWh/year	Attic Insulation	Total Gross Energy Savings (kWh/yr)	32,688	49,418	21	38,013	4,986	3,354	128,481
	Attic Insulation	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Attic Insulation	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	99%
	Attic Insulation	Net Adjusted Savings (kWh/yr)	34,322	51,889	22	39,914	5,236	2,683	134,066
	Attic Insulation	Avg. Gross Savings per Participant (kWh/yr)	221	402	21	359	356	48	278
	Attic Insulation	Avg. Net Savings per Participant (kWh/yr)	232	422	22	377	374	38	290
Installed Summer peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	3.4	3.5	0.0	16.7	2.6	1.4	27.6
	Attic Insulation	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Attic Insulation	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	99%
	Attic Insulation	Net Adjusted Demand Reduction (kW)	3.6	3.7	0.0	17.5	2.7	1.1	28.6
	Attic Insulation	Avg. Gross Demand Reduction per Participant (kW)	0.02	0.03	0.02	0.2	0.2	0.02	0.06
	Attic Insulation	Avg. Net Demand Reduction per Participant (kW)	0.02	0.03	0.02	0.2	0.2	0.02	0.06
Installed Winter peak kW	Attic Insulation	Total Gross Demand Reduction (kW)	-	-	-	-	-	2.6	2.6

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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
	Attic Insulation	Realization Rate	-	-	-	-	-	100%	100%
	Attic Insulation	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	Attic Insulation	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	2.1	2.1
	Attic Insulation	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.04	0.04
	Attic Insulation	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.03	0.03
	Bathroom Aerator	Total Participants	117	83	1	30	10	20	261
Installed kWh/year	Bathroom Aerator	Total Gross Energy Savings (kWh/yr)	2,555	2,354	31	654	245	572	6,410
	Bathroom Aerator	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Bathroom Aerator	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	98%
	Bathroom Aerator	Net Adjusted Savings (kWh/yr)	2,683	2,471	32	686	257	458	6,588
	Bathroom Aerator	Avg. Gross Savings per Participant (kWh/yr)	22	28	31	22	25	29	25
	Bathroom Aerator	Avg. Net Savings per Participant (kWh/yr)	23	30	32	23	26	23	25
Installed Summer peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	0.3	0.3	0.0	0.1	0.0	0.1	0.8
	Bathroom Aerator	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Bathroom Aerator	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	98%
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	0.3	0.3	0.0	0.1	0.0	0.1	0.8
	Bathroom Aerator	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Bathroom Aerator	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Installed Winter peak kW	Bathroom Aerator	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.1	0.1
	Bathroom Aerator	Realization Rate	-	-	-	-	-	100%	100%
	Bathroom Aerator	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	Bathroom Aerator	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.1	0.1
	Bathroom Aerator	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.00	0.00
	Bathroom Aerator	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.00	0.00
	Kitchen Aerator	Total Participants	121	74	1	69	5	15	285
Installed kWh/year	Kitchen Aerator	Total Gross Energy Savings (kWh/yr)	2,392	1,775	79	3,700	315	892	9,153
	Kitchen Aerator	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Kitchen Aerator	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	98%
	Kitchen Aerator	Net Adjusted Savings (kWh/yr)	2,512	1,864	83	3,885	331	714	9,387
	Kitchen Aerator	Avg. Gross Savings per Participant (kWh/yr)	20	24	79	54	63	59	32
	Kitchen Aerator	Avg. Net Savings per Participant (kWh/yr)	21	25	83	56	66	48	33
Installed Summer peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	0.3	0.2	0.0	0.2	0.0	0.0	0.7
	Kitchen Aerator	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Kitchen Aerator	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	99%
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	0.3	0.2	0.0	0.2	0.0	0.0	0.8
	Kitchen Aerator	Avg. Gross Demand Reduction per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Kitchen Aerator	Avg. Net Demand Reduction per Participant (kW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Installed Winter peak kW	Kitchen Aerator	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.0	0.0
	Kitchen Aerator	Realization Rate	-	-	-	-	-	100%	100%
	Kitchen Aerator	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	Kitchen Aerator	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.0	0.0
	Kitchen Aerator	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.00	0.00
	Kitchen Aerator	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.00	0.00
	Pipe Insulation	Total Participants	120	88	1	61	15	39	324
Installed kWh/year	Pipe Insulation	Total Gross Energy Savings (kWh/yr)	11,585	8,302	80	2,795	883	1,725	25,370
	Pipe Insulation	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Pipe Insulation	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	99%
	Pipe Insulation	Net Adjusted Savings (kWh/yr)	12,164	8,717	84	2,935	927	1,380	26,208
	Pipe Insulation	Avg. Gross Savings per Participant (kWh/yr)	97	94	80	46	59	44	78
	Pipe Insulation	Avg. Net Savings per Participant (kWh/yr)	101	99	84	48	62	35	81
Installed Summer peak kW	Pipe Insulation	Total Gross Demand Reduction (kW)	1.3	0.9	0.0	0.3	0.1	0.2	2.9
	Pipe Insulation	Realization Rate	105%	105%	105%	105%	105%	100%	105%

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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
	Pipe Insulation	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	99%
	Pipe Insulation	Net Adjusted Demand Reduction (kW)	1.4	1.0	0.0	0.3	0.1	0.2	3.0
	Pipe Insulation	Avg. Gross Demand Reduction per Participant (kW)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Pipe Insulation	Avg. Net Demand Reduction per Participant (kW)	0.01	0.01	0.01	0.01	0.01	0.00	0.01
Installed Winter peak kW	Pipe Insulation	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.2	0.2
	Pipe Insulation	Realization Rate	-	-	-	-	-	100%	100%
	Pipe Insulation	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	Pipe Insulation	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.2	0.2
	Pipe Insulation	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.01	0.01
	Pipe Insulation	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.00	0.00
	Showerhead	Total Participants	103	77	1	40	3	23	247
Installed kWh/year	Showerhead	Total Gross Energy Savings (kWh/yr)	17,224	15,527	365	6,329	432	4,301	44,176
	Showerhead	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Showerhead	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	98%
	Showerhead	Net Adjusted Savings (kWh/yr)	18,085	16,303	383	6,645	453	3,441	45,310
	Showerhead	Avg. Gross Savings per Participant (kWh/yr)	167	202	365	158	144	187	179
	Showerhead	Avg. Net Savings per Participant (kWh/yr)	176	212	383	166	151	150	183
Installed Summer peak kW	Showerhead	Total Gross Demand Reduction (kW)	1.5	1.1	0.0	0.4	0.0	0.3	3.3
	Showerhead	Realization Rate	105%	105%	105%	105%	105%	100%	105%
	Showerhead	Net-To-Gross Rate	100%	100%	100%	100%	100%	80%	98%
	Showerhead	Net Adjusted Demand Reduction (kW)	1.5	1.2	0.0	0.4	0.0	0.2	3.4
	Showerhead	Avg. Gross Demand Reduction per Participant (kW)	0.01	0.01	0.02	0.01	0.01	0.01	0.01
	Showerhead	Avg. Net Demand Reduction per Participant (kW)	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Installed Winter peak kW	Showerhead	Total Gross Demand Reduction (kW)	-	-	-	-	-	0.3	0.3
	Showerhead	Realization Rate	-	-	-	-	-	100%	100%
	Showerhead	Net-To-Gross Rate	-	-	-	-	-	80%	80%
	Showerhead	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	0.2	0.2
	Showerhead	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	0.01	0.01
	Showerhead	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.01	0.01

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K.41 North Carolina Non-Residential Small Business Improvement Program (Phase V) 2016–2022

K.41.1 2016-2022 North Carolina Non-Residential Small Business Improvement Program (Phase V) Annual Indicator Tables

NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
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)								
Capital ($)		Direct Implementation	$0	$0	$0	$0	$0	$0	$0	$0
Costs ($)		Total	$0	$98,352	$180,923	$156,020	$125,394	$66,777	$5,210	$632,677
Costs ($)		Planned	$0	$350,873	$420,342	$498,047	$556,969	$40,025	$0	$1,866,257
Costs ($)		Variance	$0	-$252,521	-$239,419	-$342,027	-$431,575	$26,752	$5,210	-$1,233,580
		Annual % of Planned	N/A	28%	43%	31%	23%	167%	N/A	34%
Participants[1]		Total (Gross)	0	7	36	27	17	7	0	94
		Planned	0	42	53	62	72	0	0	229
		Variance	0	-35	-17	-35	-55	7	0	-135
		Annual % of Planned (Gross)	N/A	17%	68%	44%	24%	N/A	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	0	2,449,573
		Realization Rate Weighted by Measure	N/A	100%	100%	100%	100%	100%	N/A	100%
		Realization Rate Adjustment (kWh/yr)	0	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	0	2,449,573
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%	93%	93%	93%	N/A	93%
		Net-To-Gross Adjustment (kWh/yr)	0	-11,655	-70,050	-48,686	-26,622	-14,456	0	-171,470
		Net Adjusted Savings (kWh/yr)	0	154,851	930,665	646,835	353,693	192,058	0	2,278,103
		Planned Net Savings (kWh/yr)	0	288,232	384,890	653,054	1,976,344	0	0	3,302,520
		Annual % Toward Planned Net Savings	N/A	53.7%	241.8%	99.0%	17.9%	N/A	N/A	69.0%
		Avg. Gross Savings per Participant (kWh/yr)	N/A	23,787	27,798	25,760	22,371	29,502	N/A	26,059
		Avg. Net Savings per Participant (kWh/yr)	N/A	22,122	25,852	23,957	20,805	27,437	N/A	24,235
Installed Summer peak kW	Total	Total Gross Demand Reduction (kW)	0.0	32.6	219.1	140.2	50.5	25.0	0.0	467.4
		Realization Rate Weighted by Measure	N/A	100%	100%	100%	100%	100%	N/A	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	32.6	219.1	140.2	50.5	25.0	0.0	467.4
		Net-To-Gross Rate Weighted by Measure	N/A	93%	93%	93%	93%	93%	N/A	93%
		Net-To-Gross Adjustment (kW)	0.0	-2.3	-15.3	-9.8	-3.5	-1.7	0.0	-32.7
		Net Adjusted Demand Reduction (kW)	0.0	30.3	203.8	130.4	46.9	23.2	0.0	434.7
		Planned Net Savings (kW)	0.0	43.7	76.0	129.0	370.5	0.0	0.0	619.2
		Annual % Toward Planned Net Reduction	N/A	69.4%	268.2%	101.1%	12.7%	N/A	N/A	70.2%
		Avg. Gross Demand Reduction per Participant (kW)	N/A	4.7	6.1	5.2	3.0	3.6	N/A	5.0
		Avg. Net Demand Reduction per Participant (kW)	N/A	4.3	5.7	4.8	2.8	3.3	N/A	4.6
Installed Winter peak kW	Total	Total Gross Demand Reduction (kW)	-	-	-	-	-	29.5	0.0	29.5
		Realization Rate Weighted by Measure	-	-	-	-	-	100%	N/A	100%
		Realization Rate Adjustment (kW)	-	-	-	-	-	0.0	0.0	0.0
		Realization Rate Adjusted Gross Demand Reduction (kW)	-	-	-	-	-	29.5	0.0	29.5
		Net-To-Gross Rate Weighted by Measure	-	-	-	-	-	93%	N/A	93%
		Net-To-Gross Adjustment (kW)	-	-	-	-	-	-2.1	0.0	-2.1
		Net Adjusted Demand Reduction (kW)	-	-	-	-	-	27.5	0.0	27.5
		Planned Net Savings (kW)	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
		Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	4.2	N/A	4.2
		Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	3.9	N/A	3.9
Cumulative Annual Program Perfomance		$Admin. per Participant (Gross)	N/A	$553	$328	$312	$329	$338	$340	$340
		$Admin. per kWh/year (Gross)	N/A	$0.02	$0.01	$0.01	$0.01	$0.01	$0.01	$0.01
		$Admin. per kW (Gross)	N/A	$119	$56	$56	$65	$68	$68	$68
		$EM&V per $Total	N/A	7.4%	5.1%	4.4%	4.7%	5.7%	6.5%	6.5%
		$Rebate per Participant (Gross)	N/A	$3,778	$2,951	$2,989	$3,009	$3,147	$3,147	$3,147

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K.41.2 2016-2022 North Carolina Non-Residential Small Business Improvement Program (Phase V) Measure Indicator Tables

NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
	AC Tune-Ups	Total Participants	0	4	1	2	0	0	0	7
Installed kWh/year	AC Tune-Ups	Total Gross Energy Savings (kWh/yr)	0	1,324	813	2,064	0	0	0	4,202
	AC Tune-Ups	Realization Rate	N/A	100%	100%	100%	N/A	N/A	N/A	100%
	AC Tune-Ups	Net-To-Gross Rate	N/A	93%	93%	93%	N/A	N/A	N/A	93%
	AC Tune-Ups	Net Adjusted Savings (kWh/yr)	0	1,231	756	1,920	0	0	0	3,908
	AC Tune-Ups	Avg. Gross Savings per Participant (kWh/yr)	N/A	331	813	1,032	N/A	N/A	N/A	600
	AC Tune-Ups	Avg. Net Savings per Participant (kWh/yr)	N/A	308	756	960	N/A	N/A	N/A	558
Installed Summer peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	0.0	1.7	0.3	0.7	0.0	0.0	0.0	2.8
	AC Tune-Ups	Realization Rate	N/A	100%	100%	100%	N/A	N/A	N/A	100%
	AC Tune-Ups	Net-To-Gross Rate	N/A	93%	93%	93%	N/A	N/A	N/A	93%
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	0.0	1.6	0.3	0.7	0.0	0.0	0.0	2.6
	AC Tune-Ups	Avg. Gross Demand Reduction per Participant (kW)	N/A	0.4	0.3	0.4	N/A	N/A	N/A	0.4
	AC Tune-Ups	Avg. Net Demand Reduction per Participant (kW)	N/A	0.4	0.3	0.3	N/A	N/A	N/A	0.4
Installed Winter peak kW	AC Tune-Ups	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	AC Tune-Ups	Realization Rate	-	-	-	-	-	-	-	N/A
	AC Tune-Ups	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	AC Tune-Ups	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	AC Tune-Ups	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	AC Tune-Ups	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Door Closer	Total Participants	0	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	0
	Door Closer	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Door Closer	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Door Closer	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Closer	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Closer	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Door Closer	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Door Closer	Realization Rate	-	-	-	-	-	-	-	N/A
	Door Closer	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Door Closer	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Door Closer	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Door Closer	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Door Gasket	Total Participants	0	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	0
	Door Gasket	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Door Gasket	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Door Gasket	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Door Gasket	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Door Gasket	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Door Gasket	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
	Door Gasket	Realization Rate	-	-	-	-	-	-	-	N/A
	Door Gasket	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Door Gasket	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Door Gasket	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Door Gasket	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Duct Test and Seal	Total Participants	0	2	1	0	1	4	0	8
Installed kWh/year	Duct Test and Seal	Total Gross Energy Savings (kWh/yr)	0	3,381	2,952	0	1,279	3,350	0	10,962
	Duct Test and Seal	Realization Rate	N/A	100%	100%	N/A	100%	100%	N/A	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	93%	93%	N/A	93%	93%	N/A	93%
	Duct Test and Seal	Net Adjusted Savings (kWh/yr)	0	3,144	2,745	0	1,190	3,116	0	10,195
	Duct Test and Seal	Avg. Gross Savings per Participant (kWh/yr)	N/A	1,691	2,952	N/A	1,279	838	N/A	1,370
	Duct Test and Seal	Avg. Net Savings per Participant (kWh/yr)	N/A	1,572	2,745	N/A	1,190	779	N/A	1,274
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	0.0	5.3
	Duct Test and Seal	Realization Rate	N/A	100%	100%	N/A	100%	100%	N/A	100%
	Duct Test and Seal	Net-To-Gross Rate	N/A	93%	93%	N/A	93%	93%	N/A	93%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	0.0	2.0	0.7	0.0	1.0	1.2	0.0	5.0
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	N/A	1.1	0.7	N/A	1.1	0.3	N/A	0.7
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	N/A	1.0	0.7	N/A	1.0	0.3	N/A	0.6
Installed Winter peak kW	Duct Test and Seal	Total Gross Demand Reduction (kW)	-	-	-	-	-	4.0	0.0	4.0
	Duct Test and Seal	Realization Rate	-	-	-	-	-	100%	N/A	100%
	Duct Test and Seal	Net-To-Gross Rate	-	-	-	-	-	93%	N/A	93%
	Duct Test and Seal	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	3.7	0.0	3.7
	Duct Test and Seal	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	1.0	N/A	1.0
	Duct Test and Seal	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	0.9	N/A	0.9
	Economizers	Total Participants	0	0	0	0	0	0	0	0
Installed kWh/year	Economizers	Total Gross Energy Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Economizers	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Economizers	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Summer peak kW	Economizers	Total Gross Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Economizers	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Economizers	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Economizers	Realization Rate	-	-	-	-	-	-	-	N/A
	Economizers	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Economizers	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Economizers	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Economizers	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Heat Pump Upgrade	Total Participants	0	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	0
	Heat Pump Upgrade	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heat Pump Upgrade	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heat Pump Upgrade	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Heat Pump Upgrade	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heat Pump Upgrade	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Heat Pump Upgrade	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
	Heat Pump Upgrade	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Heat Pump Upgrade	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Heat Pump Upgrade	Realization Rate	-	-	-	-	-	-	-	N/A
	Heat Pump Upgrade	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Heat Pump Upgrade	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Heat Pump Upgrade	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Heat Pump Upgrade	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	LED Lamps	Total Participants	0	7	36	26	16	7	0	92
Installed kWh/year	LED Lamps	Total Gross Energy Savings (kWh/yr)	0	161,801	996,951	693,457	379,036	203,164	0	2,434,409
	LED Lamps	Realization Rate	N/A	100%	100%	100%	100%	100%	N/A	100%
	LED Lamps	Net-To-Gross Rate	N/A	93%	93%	93%	93%	93%	N/A	93%
	LED Lamps	Net Adjusted Savings (kWh/yr)	0	150,475	927,164	644,915	352,504	188,942	0	2,264,000
	LED Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	23,114	27,693	26,671	23,690	29,023	N/A	26,461
	LED Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	21,496	25,755	24,804	22,031	26,992	N/A	24,609
Installed Summer peak kW	LED Lamps	Total Gross Demand Reduction (kW)	0.0	28.7	218.1	139.5	49.4	23.7	0.0	459.3
	LED Lamps	Realization Rate	N/A	100%	100%	100%	100%	100%	N/A	100%
	LED Lamps	Net-To-Gross Rate	N/A	93%	93%	93%	93%	93%	N/A	93%
	LED Lamps	Net Adjusted Demand Reduction (kW)	0.0	26.7	202.8	129.7	45.9	22.0	0.0	427.2
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	4.1	6.1	5.4	3.1	3.4	N/A	5.0
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	3.8	5.6	5.0	2.9	3.1	N/A	4.6
Installed Winter peak kW	LED Lamps	Total Gross Demand Reduction (kW)	-	-	-	-	-	25.6	0.0	25.6
	LED Lamps	Realization Rate	-	-	-	-	-	100%	N/A	100%
	LED Lamps	Net-To-Gross Rate	-	-	-	-	-	93%	N/A	93%
	LED Lamps	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	23.8	0.0	23.8
	LED Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	3.7	N/A	3.7
	LED Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	3.4	N/A	3.4
	Night Cover	Total Participants	0	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	0
	Night Cover	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Night Cover	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Night Cover	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Night Cover	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Night Cover	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Night Cover	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Night Cover	Realization Rate	-	-	-	-	-	-	-	N/A
	Night Cover	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Night Cover	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Night Cover	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Night Cover	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Occupancy Sensors	Total Participants	0	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	0
	Occupancy Sensors	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
	Occupancy Sensors	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Occupancy Sensors	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Occupancy Sensors	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Occupancy Sensors	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Occupancy Sensors	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Occupancy Sensors	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Occupancy Sensors	Realization Rate	-	-	-	-	-	-	-	N/A
	Occupancy Sensors	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Occupancy Sensors	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Occupancy Sensors	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Occupancy Sensors	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Programmable Thermostats	Total Participants	0	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	0
	Programmable Thermostats	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Programmable Thermostats	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Programmable Thermostats	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Programmable Thermostats	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Programmable Thermostats	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Programmable Thermostats	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Programmable Thermostats	Realization Rate	-	-	-	-	-	-	-	N/A
	Programmable Thermostats	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Programmable Thermostats	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Programmable Thermostats	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Programmable Thermostats	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Refrigerant Charge Adjustment (AC-HP)	Total Participants	0	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	0
	Refrigerant Charge Adjustment (AC-HP)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Refrigerant Charge Adjustment (AC-HP)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Refrigerant Charge Adjustment (AC-HP)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Refrigerant Charge Adjustment (AC-HP)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Refrigerant Charge Adjustment (AC-HP)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Refrigerant Charge Adjustment (AC-HP)	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Refrigerant Charge Adjustment (AC-HP)	Realization Rate	-	-	-	-	-	-	-	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Refrigerant Charge Adjustment (AC-HP)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Refrigerant Charge Adjustment (AC-HP)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-

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NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
	Refrigerant Charge Adjustment (AC-HP)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Strip Curtain	Total Participants	0	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	0
	Strip Curtain	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Strip Curtain	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Strip Curtain	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Strip Curtain	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Strip Curtain	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	Strip Curtain	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Strip Curtain	Realization Rate	-	-	-	-	-	-	-	N/A
	Strip Curtain	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Strip Curtain	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Strip Curtain	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Strip Curtain	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	T8/T5 Lamps	Total Participants	0	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	0
	T8/T5 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	T8/T5 Lamps	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	T8/T5 Lamps	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T8/T5 Lamps	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	T8/T5 Lamps	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Installed Winter peak kW	T8/T5 Lamps	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	T8/T5 Lamps	Realization Rate	-	-	-	-	-	-	-	N/A
	T8/T5 Lamps	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	T8/T5 Lamps	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	T8/T5 Lamps	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	T8/T5 Lamps	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Variable Frequency Drives (VFD)	Total Participants	0	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	0
	Variable Frequency Drives (VFD)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Savings (kWh/yr)	0	0	0	0	0	0	0	0
	Variable Frequency Drives (VFD)	Avg. Gross Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Avg. Net Savings per Participant (kWh/yr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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	0.0
	Variable Frequency Drives (VFD)	Realization Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NC - Non-Residential Small Business Improvement Program			2016	2017	2018	2019	2020	2021	2022	2016-2022
Category	Measure	Indicator	Total	Total	Total	Total	Total	Total	Total	Total
Installed Winter peak kW	Variable Frequency Drives (VFD)	Total Gross Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Variable Frequency Drives (VFD)	Realization Rate	-	-	-	-	-	-	-	N/A
	Variable Frequency Drives (VFD)	Net-To-Gross Rate	-	-	-	-	-	-	-	N/A
	Variable Frequency Drives (VFD)	Net Adjusted Demand Reduction (kW)	-	-	-	-	-	-	-	0.0
	Variable Frequency Drives (VFD)	Avg. Gross Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-
	Variable Frequency Drives (VFD)	Avg. Net Demand Reduction per Participant (kW)	-	-	-	-	-	-	-	-

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Smart Cooling Rewards	AC	2010	0	10,900	56,378	56,378	56,378	56,378	976	4,649
Residential	1	Residential Smart Cooling Rewards	AC	2011	0	36,545	1,596,364	1,652,742	1,596,364	1,652,742	43,719	43,719
Residential	1	Residential Smart Cooling Rewards	AC	2012	0	66,890	1,399,680	3,052,422	1,399,680	3,052,422	70,456	70,456
Residential	1	Residential Smart Cooling Rewards	AC	2013	0	91,280	1,660,977	4,713,399	1,660,977	4,713,399	58,892	58,892
Residential	1	Residential Smart Cooling Rewards	AC	2014	0	115,083	1,575,800	6,289,199	1,575,800	6,289,199	84,971	84,971
Residential	1	Residential Smart Cooling Rewards	AC	2015	0	140,022	2,446,950	8,736,149	2,446,950	8,736,149	67,911	67,911
Residential	1	Residential Smart Cooling Rewards	AC	2016	0	147,723	4,419,704	13,155,853	4,419,704	13,155,853	98,817	98,817
Residential	1	Residential Smart Cooling Rewards	AC	2017	0	149,219	3,131,602	16,287,455	3,131,602	16,287,455	91,322	91,322
Residential	1	Residential Smart Cooling Rewards	AC	2018	0	151,798	2,613,405	18,900,860	2,613,405	18,900,860	57,783	57,783
Residential	1	Residential Smart Cooling Rewards	AC	2019	0	154,787	2,283,880	21,184,740	2,283,880	21,184,740	55,557	55,557
Residential	1	Residential Smart Cooling Rewards	AC	2020	0	155,586	1,672,184	22,856,924	1,672,184	22,856,924	67,500	67,500
Residential	1	Residential Smart Cooling Rewards	AC	2021	156,210	156,210	1,690,829	24,547,753	1,690,829	24,547,753	38,917	38,917
Residential	1	Residential Smart Cooling Rewards	AC	2022	1,734,499	160,167	1,392,908	25,940,661	1,392,908	25,940,661	34,070	34,070
Residential	1	Residential Smart Cooling Rewards	AC	2023	-1,890,709	-156,224	0	25,940,661	0	25,940,661	0	0
Residential	1	Residential Smart Cooling Rewards	AC	2024	0	0	0	25,940,661	0	25,940,661	0	0
Residential	1	Residential Low Income	EAU	2010	1,431	1,431	631,647	631,647	277,874	277,874	100	100
Residential	1	Residential Low Income	EAU	2011	3,912	5,343	4,312,375	4,944,022	1,897,100	2,174,974	1,000	100
Residential	1	Residential Low Income	EAU	2012	2,380	7,723	8,480,179	13,424,201	3,730,600	5,905,574	1,000	998
Residential	1	Residential Low Income	EAU	2013	1,883	9,606	10,251,257	23,675,458	4,732,128	10,637,703	1,000	1,000
Residential	1	Residential Low Income	EAU	2014	1,880	11,486	11,884,908	35,560,365	5,779,952	16,417,654	1,000	1,000
Residential	1	Residential Low Income	EAU	2015	0	11,486	12,812,331	48,372,696	6,318,154	22,735,808	1,000	998
Residential	1	Residential Low Income	EAU	2016	0	11,486	12,812,550	61,185,246	6,318,261	29,054,070	1,000	998
Residential	1	Residential Low Income	EAU	2017	0	11,486	12,812,333	73,997,579	6,318,155	35,372,225	1,000	998
Residential	1	Residential Low Income	EAU	2018	0	11,486	12,812,115	86,809,695	6,318,049	41,690,274	1,000	998
Residential	1	Residential Low Income	EAU	2019	0	11,486	12,812,310	99,622,004	6,318,144	48,008,418	1,000	998
Residential	1	Residential Low Income	EAU	2020	0	11,486	12,812,322	112,434,326	6,318,150	54,326,567	1,000	1,000
Residential	1	Residential Low Income	EAU	2021	0	11,486	12,812,550	125,246,876	6,318,261	60,644,828	1,000	998
Residential	1	Residential Low Income	EAU	2022	0	11,486	12,812,326	138,059,202	6,318,151	66,962,980	1,000	998
Residential	1	Residential Low Income	EAU	2023	-16	11,486	12,812,110	150,871,312	6,318,057	73,281,037	1,000	998
Residential	1	Residential Low Income	EAU	2024	-2,612	11,356	11,323,148	162,194,460	5,663,022	78,944,059	1,000	1,000
Residential	1	Residential Low Income	EAU	2025	-4,201	8,510	6,892,534	169,086,994	3,713,917	82,657,977	1,000	998
Residential	1	Residential Low Income	EAU	2026	-1,597	4,314	3,513,558	172,600,552	2,199,942	84,857,919	997	100
Residential	1	Residential Low Income	EAU	2027	-1,800	2,871	1,992,800	174,593,352	1,199,606	86,057,525	972	100
Residential	1	Residential Low Income	EAU	2028	-1,260	1,100	454,207	175,047,559	263,585	86,321,111	100	100
Residential	1	Residential Low Income	EAU	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	1	Residential Lighting	RLGT	2010	2,016,479	2,016,479	33,071,436	33,071,436	18,057,004	18,057,004	9,957	9,836
Residential	1	Residential Lighting	RLGT	2011	2,206,030	4,222,509	176,610,883	209,682,319	96,429,542	114,486,546	49,533	9,998
Residential	1	Residential Lighting	RLGT	2012	0	4,222,509	218,369,927	428,052,247	119,229,980	233,716,527	49,540	24,329
Residential	1	Residential Lighting	RLGT	2013	0	4,222,509	218,371,554	646,423,801	119,230,869	352,947,395	49,542	25,199
Residential	1	Residential Lighting	RLGT	2014	0	4,222,509	218,371,117	864,794,918	119,230,630	472,178,025	49,542	25,198
Residential	1	Residential Lighting	RLGT	2015	0	4,222,509	218,371,048	1,083,165,966	119,230,592	591,408,617	49,540	25,198
Residential	1	Residential Lighting	RLGT	2016	0	4,222,509	218,372,369	1,301,538,334	119,231,313	710,639,931	49,535	24,327
Residential	1	Residential Lighting	RLGT	2017	0	4,222,509	218,371,495	1,519,909,830	119,230,836	829,870,767	49,535	25,196
Residential	1	Residential Lighting	RLGT	2018	0	4,222,509	218,370,194	1,738,280,023	119,230,126	949,100,893	49,544	25,199
Residential	1	Residential Lighting	RLGT	2019	-150,903	4,222,509	217,192,868	1,955,472,891	118,587,306	1,067,688,198	47,759	25,199
Residential	1	Residential Lighting	RLGT	2020	-3,263,584	3,912,254	113,073,042	2,068,545,933	61,737,881	1,129,426,079	43,141	9,993
Residential	1	Residential Lighting	RLGT	2021	-808,022	635,026	8,876,292	2,077,422,225	4,846,455	1,134,272,535	8,910	4,865
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	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2014	19,703	21,303	4,984,536	5,216,407	6,294,472	6,587,278	1,000	1,000
Residential	2	Residential Home Energy Check-up	EAR1	2015	13,860	35,163	15,089,440	20,305,847	19,054,945	25,642,224	3,806	4,806
Residential	2	Residential Home Energy Check-up	EAR1	2016	15,252	50,415	21,834,061	42,139,908	27,572,052	53,214,276	5,300	6,692
Residential	2	Residential Home Energy Check-up	EAR1	2017	1,500	51,915	26,126,007	68,265,915	32,991,922	86,206,197	7,485	9,452
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	51,915	26,194,277	94,460,192	33,078,133	119,284,330	7,494	9,463
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	51,915	26,194,474	120,654,666	33,078,382	152,362,712	7,494	9,463
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	51,915	26,194,482	146,849,148	33,078,392	185,441,104	7,233	9,134
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	51,915	26,194,680	173,043,828	33,078,642	218,519,746	7,489	9,458
Residential	2	Residential Home Energy Check-up	EAR1	2022	-31	51,915	26,192,680	199,236,508	33,076,116	251,595,863	7,490	9,458
Residential	2	Residential Home Energy Check-up	EAR1	2023	-1,569	51,862	25,966,373	225,202,881	32,790,336	284,386,198	7,477	9,442
Residential	2	Residential Home Energy Check-up	EAR1	2024	-19,703	49,774	21,236,228	246,439,109	26,817,109	311,203,307	6,837	8,634
Residential	2	Residential Home Energy Check-up	EAR1	2025	-13,860	28,783	11,123,803	257,562,913	14,047,139	325,250,446	3,812	4,814
Residential	2	Residential Home Energy Check-up	EAR1	2026	-15,252	16,015	4,379,907	261,942,819	5,530,946	330,781,392	998	1,000
Residential	2	Residential Home Energy Check-up	EAR1	2027	-1,500	431	71,286	262,014,106	90,020	330,871,413	100	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Smart Cooling Rewards	AC	2010	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	1	Residential Smart Cooling Rewards	AC	2011	0	1,003	918	918	918	918	10	10
Residential	1	Residential Smart Cooling Rewards	AC	2012	0	2,853	70,432	71,350	70,432	71,350	3,545	3,545
Residential	1	Residential Smart Cooling Rewards	AC	2013	0	4,144	65,519	136,868	65,519	136,868	2,323	2,323
Residential	1	Residential Smart Cooling Rewards	AC	2014	0	5,260	67,887	204,755	67,887	204,755	3,059	3,059
Residential	1	Residential Smart Cooling Rewards	AC	2015	0	5,631	99,670	304,426	99,670	304,426	2,535	2,535
Residential	1	Residential Smart Cooling Rewards	AC	2016	0	5,863	165,420	469,846	165,420	469,846	5,401	5,401
Residential	1	Residential Smart Cooling Rewards	AC	2017	0	5,891	122,705	592,551	122,705	592,551	1,985	1,985
Residential	1	Residential Smart Cooling Rewards	AC	2018	0	5,969	99,442	691,992	99,442	691,992	2,199	2,199
Residential	1	Residential Smart Cooling Rewards	AC	2019	0	6,247	90,305	782,297	90,305	782,297	2,197	2,197
Residential	1	Residential Smart Cooling Rewards	AC	2020	0	6,279	68,239	850,536	68,239	850,536	2,755	2,755
Residential	1	Residential Smart Cooling Rewards	AC	2021	6,287	6,287	68,366	918,902	68,366	918,902	992	992
Residential	1	Residential Smart Cooling Rewards	AC	2022	69,172	6,289	57,944	976,846	57,944	976,846	1,000	1,000
Residential	1	Residential Smart Cooling Rewards	AC	2023	-75,459	-6,287	0	976,846	0	976,846	0	0
Residential	1	Residential Smart Cooling Rewards	AC	2024	0	0	0	976,846	0	976,846	0	0
Residential	1	Residential Low Income	EAU	2010	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	1	Residential Low Income	EAU	2011	207	207	40,867	40,867	17,978	17,978	10	10
Residential	1	Residential Low Income	EAU	2012	156	363	376,018	416,884	165,418	183,396	100	10
Residential	1	Residential Low Income	EAU	2013	120	483	456,523	873,407	213,334	396,730	100	10
Residential	1	Residential Low Income	EAU	2014	120	603	566,912	1,440,319	284,606	681,336	100	99
Residential	1	Residential Low Income	EAU	2015	653	1,256	868,398	2,308,718	459,565	1,140,901	100	100
Residential	1	Residential Low Income	EAU	2016	0	1,256	1,155,876	3,464,594	626,393	1,767,294	100	100
Residential	1	Residential Low Income	EAU	2017	0	1,256	1,155,859	4,620,453	626,384	2,393,677	100	100
Residential	1	Residential Low Income	EAU	2018	0	1,256	1,155,842	5,776,295	626,375	3,020,052	100	100
Residential	1	Residential Low Income	EAU	2019	0	1,256	1,155,857	6,932,152	626,383	3,646,435	100	100
Residential	1	Residential Low Income	EAU	2020	0	1,256	1,155,858	8,088,010	626,383	4,272,818	100	100
Residential	1	Residential Low Income	EAU	2021	0	1,256	1,155,876	9,243,886	626,393	4,899,211	100	100
Residential	1	Residential Low Income	EAU	2022	0	1,256	1,155,858	10,399,744	626,383	5,525,594	100	100
Residential	1	Residential Low Income	EAU	2023	0	1,256	1,155,859	11,555,603	626,384	6,151,978	100	100
Residential	1	Residential Low Income	EAU	2024	0	1,256	1,155,842	12,711,445	626,374	6,778,352	100	100
Residential	1	Residential Low Income	EAU	2025	-363	1,256	1,011,149	13,722,594	562,723	7,341,075	100	100
Residential	1	Residential Low Income	EAU	2026	-42	893	739,079	14,461,673	440,949	7,782,024	100	100
Residential	1	Residential Low Income	EAU	2027	-120	848	666,995	15,128,668	391,101	8,173,125	100	100
Residential	1	Residential Low Income	EAU	2028	-306	721	531,978	15,660,646	308,717	8,481,843	100	99
Residential	1	Residential Low Income	EAU	2029	-425	375	139,929	15,800,575	81,204	8,563,046	99	10
Residential	1	Residential Lighting	RLGT	2010	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	1	Residential Lighting	RLGT	2011	37,120	37,120	526,565	526,565	287,505	287,505	427	100
Residential	1	Residential Lighting	RLGT	2012	0	37,120	1,882,817	2,409,382	1,028,018	1,315,523	427	100
Residential	1	Residential Lighting	RLGT	2013	0	37,120	1,882,831	4,292,214	1,028,026	2,343,549	427	100
Residential	1	Residential Lighting	RLGT	2014	0	37,120	1,882,828	6,175,041	1,028,024	3,371,573	427	100
Residential	1	Residential Lighting	RLGT	2015	0	37,120	1,882,827	8,057,868	1,028,024	4,399,596	427	100
Residential	1	Residential Lighting	RLGT	2016	0	37,120	1,882,838	9,940,707	1,028,030	5,427,626	427	100
Residential	1	Residential Lighting	RLGT	2017	0	37,120	1,882,831	11,823,538	1,028,026	6,455,652	427	100
Residential	1	Residential Lighting	RLGT	2018	0	37,120	1,882,820	13,706,357	1,028,020	7,483,671	427	100
Residential	1	Residential Lighting	RLGT	2019	0	37,120	1,882,831	15,589,189	1,028,026	8,511,697	427	100
Residential	1	Residential Lighting	RLGT	2020	-276	37,120	1,881,443	17,470,631	1,027,268	9,538,965	427	100
Residential	1	Residential Lighting	RLGT	2021	-36,844	32,878	488,673	17,959,305	266,816	9,805,780	383	100
Residential	2	Residential Home Energy Check-up	EAR1	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Home Energy Check-up	EAR1	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Home Energy Check-up	EAR1	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Home Energy Check-up	EAR1	2015	996	996	377,971	377,971	477,302	477,302	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2016	4	1,000	594,551	972,523	750,799	1,228,102	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2017	49	1,049	625,231	1,597,754	789,541	2,017,643	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	1,049	629,708	2,227,461	795,195	2,812,838	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	1,049	629,716	2,857,177	795,205	3,608,043	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	1,049	629,716	3,486,893	795,205	4,403,248	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	1,049	629,724	4,116,616	795,215	5,198,463	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2022	0	1,049	629,716	4,746,333	795,206	5,993,669	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2023	0	1,049	629,716	5,376,049	795,206	6,788,875	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2024	0	1,049	629,707	6,005,756	795,194	7,584,069	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2025	-996	1,049	253,048	6,258,804	319,549	7,903,618	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2026	-4	50	35,178	6,293,982	44,422	7,948,040	9	10
Residential	2	Residential Home Energy Check-up	EAR1	2027	-49	44	4,595	6,298,577	5,803	7,953,843	8	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Smart Cooling Rewards	AC	2010	0	10,900	56,378	56,378	56,378	56,378	976	4,649
Residential	1	Residential Smart Cooling Rewards	AC	2011	0	37,548	1,597,282	1,653,660	1,597,282	1,653,660	43,729	43,729
Residential	1	Residential Smart Cooling Rewards	AC	2012	0	69,743	1,470,111	3,123,771	1,470,111	3,123,771	74,001	74,001
Residential	1	Residential Smart Cooling Rewards	AC	2013	0	95,424	1,726,496	4,850,267	1,726,496	4,850,267	61,215	61,215
Residential	1	Residential Smart Cooling Rewards	AC	2014	0	120,343	1,643,688	6,493,955	1,643,688	6,493,955	88,030	88,030
Residential	1	Residential Smart Cooling Rewards	AC	2015	0	145,653	2,546,620	9,040,575	2,546,620	9,040,575	70,446	70,446
Residential	1	Residential Smart Cooling Rewards	AC	2016	0	153,586	4,585,124	13,625,699	4,585,124	13,625,699	104,218	104,218
Residential	1	Residential Smart Cooling Rewards	AC	2017	0	155,110	3,254,307	16,880,006	3,254,307	16,880,006	93,307	93,307
Residential	1	Residential Smart Cooling Rewards	AC	2018	0	157,767	2,712,846	19,592,852	2,712,846	19,592,852	59,981	59,981
Residential	1	Residential Smart Cooling Rewards	AC	2019	0	161,034	2,374,185	21,967,037	2,374,185	21,967,037	57,754	57,754
Residential	1	Residential Smart Cooling Rewards	AC	2020	0	161,865	1,740,423	23,707,461	1,740,423	23,707,461	70,255	70,255
Residential	1	Residential Smart Cooling Rewards	AC	2021	162,497	162,497	1,759,195	25,466,655	1,759,195	25,466,655	39,909	39,909
Residential	1	Residential Smart Cooling Rewards	AC	2022	1,803,671	166,456	1,450,852	26,917,507	1,450,852	26,917,507	35,070	35,070
Residential	1	Residential Smart Cooling Rewards	AC	2023	-1,966,168	-162,511	0	26,917,507	0	26,917,507	0	0
Residential	1	Residential Smart Cooling Rewards	AC	2024	0	0	0	26,917,507	0	26,917,507	0	0
Residential	1	Residential Low Income	EAU	2010	1,431	1,431	631,647	631,647	277,874	277,874	100	100
Residential	1	Residential Low Income	EAU	2011	4,119	5,550	4,353,241	4,984,888	1,915,078	2,192,952	1,010	110
Residential	1	Residential Low Income	EAU	2012	2,536	8,086	8,856,197	13,841,085	3,896,018	6,088,970	1,100	1,008
Residential	1	Residential Low Income	EAU	2013	2,003	10,089	10,707,779	24,548,865	4,945,462	11,034,433	1,100	1,010
Residential	1	Residential Low Income	EAU	2014	2,000	12,089	12,451,820	37,000,685	6,064,558	17,098,990	1,100	1,099
Residential	1	Residential Low Income	EAU	2015	653	12,742	13,680,729	50,681,413	6,777,719	23,876,709	1,100	1,098
Residential	1	Residential Low Income	EAU	2016	0	12,742	13,968,426	64,649,840	6,944,654	30,821,363	1,100	1,098
Residential	1	Residential Low Income	EAU	2017	0	12,742	13,968,193	78,618,032	6,944,539	37,765,902	1,100	1,098
Residential	1	Residential Low Income	EAU	2018	0	12,742	13,967,957	92,585,989	6,944,423	44,710,326	1,100	1,098
Residential	1	Residential Low Income	EAU	2019	0	12,742	13,968,167	106,554,156	6,944,527	51,654,852	1,100	1,098
Residential	1	Residential Low Income	EAU	2020	0	12,742	13,968,180	120,522,336	6,944,533	58,599,385	1,100	1,100
Residential	1	Residential Low Income	EAU	2021	0	12,742	13,968,426	134,490,762	6,944,654	65,544,039	1,100	1,098
Residential	1	Residential Low Income	EAU	2022	0	12,742	13,968,184	148,458,946	6,944,535	72,488,574	1,100	1,098
Residential	1	Residential Low Income	EAU	2023	-16	12,742	13,967,969	162,426,915	6,944,441	79,433,015	1,100	1,098
Residential	1	Residential Low Income	EAU	2024	-2,612	12,612	12,478,990	174,905,905	6,289,397	85,722,411	1,100	1,100
Residential	1	Residential Low Income	EAU	2025	-4,564	9,766	7,903,683	182,809,588	4,276,640	89,999,051	1,100	1,098
Residential	1	Residential Low Income	EAU	2026	-1,639	5,207	4,252,637	187,062,225	2,640,891	92,639,943	1,097	200
Residential	1	Residential Low Income	EAU	2027	-1,920	3,719	2,659,795	189,722,020	1,590,708	94,230,651	1,072	200
Residential	1	Residential Low Income	EAU	2028	-1,566	1,821	986,185	190,708,205	572,303	94,802,953	200	199
Residential	1	Residential Low Income	EAU	2029	-425	375	139,929	15,800,575	81,204	8,563,046	99	10
Residential	1	Residential Lighting	RLGT	2010	2,016,479	2,016,479	33,071,436	33,071,436	18,057,004	18,057,004	9,957	9,836
Residential	1	Residential Lighting	RLGT	2011	2,243,150	4,259,629	177,137,448	210,208,884	96,717,047	114,774,051	49,960	10,098
Residential	1	Residential Lighting	RLGT	2012	0	4,259,629	220,252,745	430,461,629	120,257,999	235,032,049	49,967	24,429
Residential	1	Residential Lighting	RLGT	2013	0	4,259,629	220,254,386	650,716,015	120,258,894	355,290,944	49,969	25,299
Residential	1	Residential Lighting	RLGT	2014	0	4,259,629	220,253,945	870,969,960	120,258,654	475,549,598	49,969	25,298
Residential	1	Residential Lighting	RLGT	2015	0	4,259,629	220,253,875	1,091,223,834	120,258,615	595,808,213	49,967	25,298
Residential	1	Residential Lighting	RLGT	2016	0	4,259,629	220,255,207	1,311,479,041	120,259,343	716,067,556	49,962	24,427
Residential	1	Residential Lighting	RLGT	2017	0	4,259,629	220,254,326	1,531,733,367	120,258,862	836,326,418	49,962	25,296
Residential	1	Residential Lighting	RLGT	2018	0	4,259,629	220,253,013	1,751,986,381	120,258,145	956,584,564	49,971	25,299
Residential	1	Residential Lighting	RLGT	2019	-150,903	4,259,629	219,075,699	1,971,062,080	119,615,332	1,076,199,895	48,186	25,299
Residential	1	Residential Lighting	RLGT	2020	-3,263,860	3,949,374	114,954,485	2,086,016,564	62,765,149	1,138,965,044	43,568	10,093
Residential	1	Residential Lighting	RLGT	2021	-844,866	667,904	9,364,965	2,095,381,529	5,113,271	1,144,078,315	9,293	4,965
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	100	100
Residential	2	Residential Home Energy Check-up	EAR1	2014	19,703	21,303	4,984,536	5,216,407	6,294,472	6,587,278	1,000	1,000
Residential	2	Residential Home Energy Check-up	EAR1	2015	14,856	36,159	15,467,412	20,683,819	19,532,248	26,119,526	3,906	4,906
Residential	2	Residential Home Energy Check-up	EAR1	2016	15,256	51,415	22,428,612	43,112,431	28,322,851	54,442,377	5,400	6,792
Residential	2	Residential Home Energy Check-up	EAR1	2017	1,549	52,964	26,751,238	69,863,668	33,781,463	88,223,840	7,584	9,551
Residential	2	Residential Home Energy Check-up	EAR1	2018	0	52,964	26,823,985	96,687,653	33,873,328	122,097,169	7,594	9,563
Residential	2	Residential Home Energy Check-up	EAR1	2019	0	52,964	26,824,190	123,511,843	33,873,587	155,970,755	7,594	9,563
Residential	2	Residential Home Energy Check-up	EAR1	2020	0	52,964	26,824,198	150,336,041	33,873,597	189,844,352	7,333	9,234
Residential	2	Residential Home Energy Check-up	EAR1	2021	0	52,964	26,824,404	177,160,445	33,873,857	223,718,210	7,589	9,558
Residential	2	Residential Home Energy Check-up	EAR1	2022	-31	52,964	26,822,397	203,982,841	33,871,322	257,589,532	7,589	9,558
Residential	2	Residential Home Energy Check-up	EAR1	2023	-1,569	52,911	26,596,089	230,578,930	33,585,541	291,175,073	7,577	9,542
Residential	2	Residential Home Energy Check-up	EAR1	2024	-19,703	50,823	21,865,935	252,444,865	27,612,303	318,787,376	6,937	8,734
Residential	2	Residential Home Energy Check-up	EAR1	2025	-14,856	29,832	11,376,851	263,821,717	14,366,688	333,154,064	3,912	4,914
Residential	2	Residential Home Energy Check-up	EAR1	2026	-15,256	16,065	4,415,084	268,236,801	5,575,369	338,729,432	1,007	1,010
Residential	2	Residential Home Energy Check-up	EAR1	2027	-1,549	475	75,881	268,312,682	95,823	338,825,255	108	108

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Heat Pump Tune-up	HPTU	2012	1,212	1,212	49,069	49,069	43,721	43,721	100	98
Residential	2	Residential Heat Pump Tune-up	HPTU	2013	15,633	16,845	2,360,789	2,409,858	2,103,463	2,147,184	1,000	997
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	24,687	41,532	7,457,043	9,866,901	6,644,225	8,791,409	1,000	999
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	24,114	65,646	13,898,928	23,765,829	12,383,945	21,175,354	999	1,000
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	19,008	84,654	18,215,019	41,980,848	16,229,582	37,404,935	999	1,000
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	1,260	87,126	20,774,862	62,755,709	18,510,402	55,915,337	9,504	8,468
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	-15,633	85,378	18,492,423	81,248,132	16,476,749	72,392,086	9,362	8,342
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	-24,687	69,286	13,402,813	94,650,945	11,941,906	84,333,992	6,342	999
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	-24,114	43,626	6,958,834	101,609,780	6,200,321	90,534,314	999	997
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	-19,008	19,719	2,643,546	104,253,325	2,355,399	92,889,713	998	1,000
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	-2,472	251	22,331	104,275,657	19,897	92,909,610	96	10
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	10	10
Residential	2	Residential Duct Sealing	RDUC	2014	401	517	196,048	266,821	76,851	104,594	100	10
Residential	2	Residential Duct Sealing	RDUC	2015	1,860	2,377	861,186	1,128,008	337,585	442,179	100	100
Residential	2	Residential Duct Sealing	RDUC	2016	658	3,035	1,595,280	2,723,288	625,350	1,067,529	848	100
Residential	2	Residential Duct Sealing	RDUC	2017	264	3,299	1,923,852	4,647,139	754,150	1,821,679	968	100
Residential	2	Residential Duct Sealing	RDUC	2018	0	3,299	1,934,669	6,581,809	758,390	2,580,069	989	100
Residential	2	Residential Duct Sealing	RDUC	2019	0	3,299	1,934,697	8,516,506	758,401	3,338,470	989	100
Residential	2	Residential Duct Sealing	RDUC	2020	0	3,299	1,934,696	10,451,202	758,401	4,096,871	989	100
Residential	2	Residential Duct Sealing	RDUC	2021	0	3,299	1,934,725	12,385,928	758,412	4,855,284	990	100
Residential	2	Residential Duct Sealing	RDUC	2022	0	3,299	1,934,696	14,320,624	758,401	5,613,685	990	100
Residential	2	Residential Duct Sealing	RDUC	2023	0	3,299	1,934,698	16,255,322	758,401	6,372,086	990	100
Residential	2	Residential Duct Sealing	RDUC	2024	0	3,299	1,934,669	18,189,991	758,390	7,130,476	989	100
Residential	2	Residential Duct Sealing	RDUC	2025	0	3,299	1,934,697	20,124,688	758,401	7,888,878	989	100
Residential	2	Residential Duct Sealing	RDUC	2026	0	3,299	1,934,699	22,059,387	758,402	8,647,280	990	100
Residential	2	Residential Duct Sealing	RDUC	2027	0	3,299	1,934,725	23,994,112	758,412	9,405,692	990	100
Residential	2	Residential Duct Sealing	RDUC	2028	0	3,299	1,934,698	25,928,810	758,401	10,164,093	990	100
Residential	2	Residential Duct Sealing	RDUC	2029	0	3,299	1,934,669	27,863,479	758,390	10,922,484	989	100
Residential	2	Residential Duct Sealing	RDUC	2030	-8	3,299	1,932,741	29,796,220	757,635	11,680,118	989	100
Residential	2	Residential Duct Sealing	RDUC	2031	-108	3,291	1,866,207	31,662,428	731,553	12,411,672	983	100
Residential	2	Residential Duct Sealing	RDUC	2032	-401	3,168	1,739,055	33,401,483	681,710	13,093,381	905	100
Residential	2	Residential Duct Sealing	RDUC	2033	-1,860	2,676	1,076,436	34,477,919	421,963	13,515,344	735	100
Residential	2	Residential Duct Sealing	RDUC	2034	-658	869	340,571	34,818,490	133,504	13,648,848	100	61
Residential	2	Residential Duct Sealing	RDUC	2035	-264	163	11,081	34,829,571	4,344	13,653,192	10	8
Residential	2	Residential Heat Pump Upgrade	RHEH	2012	86	86	26,016	26,016	23,595	23,595	10	10
Residential	2	Residential Heat Pump Upgrade	RHEH	2013	3,295	3,381	2,658,000	2,684,016	2,410,673	2,434,268	1,000	998
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	3,648	7,029	9,586,284	12,270,300	8,694,280	11,128,548	1,000	1,000
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	4,210	11,239	13,824,768	26,095,067	11,818,140	22,946,689	1,000	997
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	5,396	16,635	16,418,710	42,513,777	12,728,782	35,675,471	1,000	1,000
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	1,149	17,784	18,488,110	61,001,887	13,454,974	49,130,445	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	17,784	18,563,974	79,565,861	13,481,435	62,611,880	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	17,784	18,564,239	98,130,100	13,481,677	76,093,557	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	17,784	18,564,267	116,694,367	13,481,701	89,575,258	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	17,784	18,564,578	135,258,944	13,481,984	103,057,241	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	17,784	18,564,272	153,823,216	13,481,705	116,538,946	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	17,784	18,564,276	172,387,492	13,481,708	130,020,655	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	17,784	18,563,957	190,951,450	13,481,421	143,502,076	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	17,784	18,564,282	209,515,731	13,481,714	156,983,790	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	17,784	18,564,277	228,080,008	13,481,708	170,465,498	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	-86	17,784	18,538,968	246,618,976	13,458,757	183,924,255	1,000	999
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	-3,295	17,664	15,915,689	262,534,666	11,079,575	195,003,830	1,000	1,000
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	-3,648	14,119	8,989,312	271,523,978	4,797,695	199,801,525	1,000	997
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	-4,210	10,454	4,747,150	276,271,128	1,666,250	201,467,775	1,000	533
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	-5,396	6,124	2,155,722	278,426,851	756,659	202,224,434	1,000	378
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	-1,149	321	77,885	278,504,735	27,337	202,251,771	100	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Heat Pump Tune-up	HPTU	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Heat Pump Tune-up	HPTU	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	581	581	27,166	27,166	24,205	24,205	10	10
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	3,307	3,888	685,508	712,674	610,788	634,992	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	1,274	5,162	1,163,570	1,876,244	1,036,741	1,671,733	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	125	5,287	1,350,945	3,227,188	1,203,692	2,875,425	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	0	5,287	1,353,269	4,580,457	1,205,763	4,081,187	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	-581	5,287	1,326,613	5,907,070	1,182,012	5,263,199	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	-3,307	4,258	670,223	6,577,293	597,168	5,860,368	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	-1,274	1,305	190,841	6,768,134	170,039	6,030,407	100	100
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	-125	45	2,427	6,770,560	2,162	6,032,569	6	5
Residential	2	Residential Duct Sealing	RDUC	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Duct Sealing	RDUC	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Duct Sealing	RDUC	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Duct Sealing	RDUC	2015	323	323	107,676	107,676	42,209	42,209	10	10
Residential	2	Residential Duct Sealing	RDUC	2016	217	540	277,652	385,328	108,839	151,049	100	10
Residential	2	Residential Duct Sealing	RDUC	2017	14	554	338,239	723,567	132,590	283,638	100	62
Residential	2	Residential Duct Sealing	RDUC	2018	0	554	338,629	1,062,196	132,743	416,381	100	63
Residential	2	Residential Duct Sealing	RDUC	2019	0	554	338,633	1,400,829	132,744	549,125	100	63
Residential	2	Residential Duct Sealing	RDUC	2020	0	554	338,633	1,739,462	132,744	681,869	100	63
Residential	2	Residential Duct Sealing	RDUC	2021	0	554	338,637	2,078,100	132,746	814,615	100	63
Residential	2	Residential Duct Sealing	RDUC	2022	0	554	338,633	2,416,733	132,744	947,359	100	63
Residential	2	Residential Duct Sealing	RDUC	2023	0	554	338,633	2,755,366	132,744	1,080,103	100	63
Residential	2	Residential Duct Sealing	RDUC	2024	0	554	338,629	3,093,995	132,743	1,212,846	100	63
Residential	2	Residential Duct Sealing	RDUC	2025	0	554	338,633	3,432,628	132,744	1,345,590	100	63
Residential	2	Residential Duct Sealing	RDUC	2026	0	554	338,633	3,771,261	132,744	1,478,334	122	63
Residential	2	Residential Duct Sealing	RDUC	2027	0	554	338,637	4,109,898	132,746	1,611,080	100	63
Residential	2	Residential Duct Sealing	RDUC	2028	0	554	338,633	4,448,532	132,744	1,743,824	100	63
Residential	2	Residential Duct Sealing	RDUC	2029	0	554	338,629	4,787,161	132,743	1,876,567	100	63
Residential	2	Residential Duct Sealing	RDUC	2030	0	554	338,633	5,125,794	132,744	2,009,311	100	63
Residential	2	Residential Duct Sealing	RDUC	2031	0	554	338,633	5,464,427	132,744	2,142,055	100	63
Residential	2	Residential Duct Sealing	RDUC	2032	0	554	338,638	5,803,065	132,746	2,274,801	100	63
Residential	2	Residential Duct Sealing	RDUC	2033	-323	553	231,319	6,034,384	90,677	2,365,478	100	63
Residential	2	Residential Duct Sealing	RDUC	2034	-217	230	61,327	6,095,711	24,040	2,389,519	48	10
Residential	2	Residential Duct Sealing	RDUC	2035	-14	6	402	6,096,113	157	2,389,676	1	0
Residential	2	Residential Heat Pump Upgrade	RHEH	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Heat Pump Upgrade	RHEH	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	44	44	13,816	13,816	12,530	12,530	10	10
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	597	641	237,500	251,316	123,641	136,171	100	10
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	665	1,306	508,773	760,089	218,858	355,029	100	98
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	118	1,424	725,515	1,485,604	294,934	649,963	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	1,424	735,284	2,220,888	298,362	948,325	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	1,424	735,286	2,956,174	298,363	1,246,688	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	1,424	735,286	3,691,460	298,363	1,545,051	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	1,424	735,288	4,426,748	298,365	1,843,416	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	1,424	735,286	5,162,034	298,363	2,141,779	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	1,424	735,286	5,897,320	298,363	2,440,143	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	1,424	735,284	6,632,604	298,362	2,738,504	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	1,424	735,286	7,367,890	298,363	3,036,868	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	1,424	735,286	8,103,177	298,364	3,335,231	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	0	1,424	735,288	8,838,465	298,365	3,633,597	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	0	1,424	735,286	9,573,751	298,363	3,931,960	100	100
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	-44	1,424	721,572	10,295,323	285,925	4,217,885	100	99
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	-597	1,346	498,633	10,793,956	175,020	4,392,906	100	58
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	-665	760	227,390	11,021,346	79,814	4,472,719	99	40
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	-118	42	10,017	11,031,363	3,516	4,476,235	10	9

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Heat Pump Tune-up	HPTU	2012	1,212	1,212	49,069	49,069	43,721	43,721	100	98
Residential	2	Residential Heat Pump Tune-up	HPTU	2013	15,633	16,845	2,360,789	2,409,858	2,103,463	2,147,184	1,000	997
Residential	2	Residential Heat Pump Tune-up	HPTU	2014	25,268	42,113	7,484,209	9,894,067	6,668,430	8,815,613	1,010	1,009
Residential	2	Residential Heat Pump Tune-up	HPTU	2015	27,421	69,534	14,584,436	24,478,503	12,994,733	21,810,346	1,099	1,100
Residential	2	Residential Heat Pump Tune-up	HPTU	2016	20,282	89,816	19,378,588	43,857,091	17,266,322	39,076,668	1,099	1,100
Residential	2	Residential Heat Pump Tune-up	HPTU	2017	1,385	92,413	22,125,807	65,982,898	19,714,094	58,790,762	9,604	8,568
Residential	2	Residential Heat Pump Tune-up	HPTU	2018	-15,633	90,665	19,845,692	85,828,590	17,682,511	76,473,273	9,462	8,441
Residential	2	Residential Heat Pump Tune-up	HPTU	2019	-25,268	74,573	14,729,426	100,558,015	13,123,918	89,597,192	6,442	1,099
Residential	2	Residential Heat Pump Tune-up	HPTU	2020	-27,421	47,884	7,629,057	108,187,072	6,797,490	96,394,682	1,099	1,097
Residential	2	Residential Heat Pump Tune-up	HPTU	2021	-20,282	21,024	2,834,386	111,021,459	2,525,438	98,920,120	1,098	1,099
Residential	2	Residential Heat Pump Tune-up	HPTU	2022	-2,597	296	24,758	111,046,217	22,059	98,942,179	102	15
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	10	10
Residential	2	Residential Duct Sealing	RDUC	2014	401	517	196,048	266,821	76,851	104,594	100	10
Residential	2	Residential Duct Sealing	RDUC	2015	2,183	2,700	968,863	1,235,684	379,794	484,388	110	110
Residential	2	Residential Duct Sealing	RDUC	2016	875	3,575	1,872,932	3,108,616	734,189	1,218,577	947	110
Residential	2	Residential Duct Sealing	RDUC	2017	278	3,853	2,262,091	5,370,706	886,740	2,105,317	1,068	162
Residential	2	Residential Duct Sealing	RDUC	2018	0	3,853	2,273,298	7,644,005	891,133	2,996,450	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2019	0	3,853	2,273,331	9,917,335	891,146	3,887,595	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2020	0	3,853	2,273,329	12,190,665	891,145	4,778,740	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2021	0	3,853	2,273,363	14,464,027	891,158	5,669,899	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2022	0	3,853	2,273,329	16,737,357	891,145	6,561,044	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2023	0	3,853	2,273,331	19,010,688	891,146	7,452,190	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2024	0	3,853	2,273,298	21,283,986	891,133	8,343,322	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2025	0	3,853	2,273,330	23,557,316	891,145	9,234,468	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2026	0	3,853	2,273,332	25,830,648	891,146	10,125,614	1,112	163
Residential	2	Residential Duct Sealing	RDUC	2027	0	3,853	2,273,363	28,104,011	891,158	11,016,772	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2028	0	3,853	2,273,331	30,377,342	891,146	11,907,918	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2029	0	3,853	2,273,298	32,650,640	891,133	12,799,051	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2030	-8	3,853	2,271,375	34,922,014	890,379	13,689,430	1,089	163
Residential	2	Residential Duct Sealing	RDUC	2031	-108	3,845	2,204,840	37,126,855	864,297	14,553,727	1,083	163
Residential	2	Residential Duct Sealing	RDUC	2032	-401	3,722	2,077,693	39,204,548	814,456	15,368,183	1,005	163
Residential	2	Residential Duct Sealing	RDUC	2033	-2,183	3,229	1,307,755	40,512,303	512,640	15,880,823	835	163
Residential	2	Residential Duct Sealing	RDUC	2034	-875	1,099	401,898	40,914,201	157,544	16,038,367	148	71
Residential	2	Residential Duct Sealing	RDUC	2035	-278	169	11,483	40,925,684	4,501	16,042,868	11	9
Residential	2	Residential Heat Pump Upgrade	RHEH	2012	86	86	26,016	26,016	23,595	23,595	10	10
Residential	2	Residential Heat Pump Upgrade	RHEH	2013	3,295	3,381	2,658,000	2,684,016	2,410,673	2,434,268	1,000	998
Residential	2	Residential Heat Pump Upgrade	RHEH	2014	3,692	7,073	9,600,099	12,284,115	8,706,810	11,141,078	1,010	1,010
Residential	2	Residential Heat Pump Upgrade	RHEH	2015	4,807	11,880	14,062,268	26,346,383	11,941,781	23,082,859	1,100	1,007
Residential	2	Residential Heat Pump Upgrade	RHEH	2016	6,061	17,941	16,927,483	43,273,866	12,947,641	36,030,500	1,100	1,098
Residential	2	Residential Heat Pump Upgrade	RHEH	2017	1,267	19,208	19,213,626	62,487,491	13,749,908	49,780,408	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2018	0	19,208	19,299,258	81,786,749	13,779,796	63,560,204	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2019	0	19,208	19,299,524	101,086,274	13,780,040	77,340,245	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2020	0	19,208	19,299,553	120,385,827	13,780,064	91,120,309	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2021	0	19,208	19,299,866	139,685,693	13,780,349	104,900,657	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2022	0	19,208	19,299,558	158,985,251	13,780,068	118,680,726	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2023	0	19,208	19,299,562	178,284,813	13,780,072	132,460,798	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2024	0	19,208	19,299,241	197,584,054	13,779,783	146,240,580	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2025	0	19,208	19,299,568	216,883,621	13,780,077	160,020,658	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2026	0	19,208	19,299,563	236,183,185	13,780,072	173,800,730	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2027	-86	19,208	19,274,256	255,457,441	13,757,122	187,557,852	1,100	1,099
Residential	2	Residential Heat Pump Upgrade	RHEH	2028	-3,295	19,088	16,650,975	272,108,416	11,377,938	198,935,790	1,100	1,100
Residential	2	Residential Heat Pump Upgrade	RHEH	2029	-3,692	15,543	9,710,884	281,819,300	5,083,621	204,019,411	1,100	1,096
Residential	2	Residential Heat Pump Upgrade	RHEH	2030	-4,807	11,800	5,245,784	287,065,084	1,841,270	205,860,681	1,100	591
Residential	2	Residential Heat Pump Upgrade	RHEH	2031	-6,061	6,884	2,383,112	289,448,197	836,472	206,697,153	1,099	418
Residential	2	Residential Heat Pump Upgrade	RHEH	2032	-1,267	363	87,901	289,536,098	30,853	206,728,007	110	19

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	110,248	110,248	115,761	115,761	100	100
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	8,403	9,926	2,250,924	2,361,172	2,363,470	2,479,231	933	979
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2017	5,970	15,896	5,785,012	8,146,184	6,074,263	8,553,493	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2018	1,141	17,037	7,066,134	15,212,318	7,419,441	15,972,934	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	5,897	22,934	7,907,531	23,119,849	8,302,907	24,275,841	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	1,047	23,981	9,026,935	32,146,784	9,478,282	33,754,123	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	1,867	25,848	9,414,978	41,561,762	9,814,119	43,568,243	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	25,848	9,587,699	51,149,461	9,952,293	53,520,536	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	25,848	9,587,700	60,737,161	9,952,295	63,472,831	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	25,848	9,587,678	70,324,840	9,952,273	73,425,103	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	25,848	9,587,699	79,912,539	9,952,294	83,377,397	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	25,848	9,587,701	89,500,240	9,952,295	93,329,692	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	25,848	9,587,715	99,087,955	9,952,309	103,282,001	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	25,848	9,587,701	108,675,656	9,952,295	113,234,296	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	-1,521	25,848	9,478,681	118,154,337	9,837,826	123,072,122	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	-8,404	24,218	7,347,003	125,501,339	7,599,562	130,671,684	1,000	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	-5,971	15,495	3,810,012	129,311,351	3,885,722	134,557,406	999	1,000
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	9,952	2,584,080	131,895,431	2,598,492	137,155,898	693	697
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	-1,136	9,950	2,522,953	134,418,384	2,534,310	139,690,208	693	697
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	-5,902	8,736	1,683,925	136,102,309	1,653,330	141,343,538	568	566
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	-1,047	2,910	561,573	136,663,881	474,862	141,818,400	100	100
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	-1,867	1,867	173,707	136,837,589	138,966	141,957,366	100	99
Residential	4	Residential Appliance Recycling	RARC	2015	3,141	3,141	635,580	635,580	489,397	489,397	436	336
Residential	4	Residential Appliance Recycling	RARC	2016	7,734	10,875	6,878,886	7,514,466	5,296,742	5,786,139	1,000	999
Residential	4	Residential Appliance Recycling	RARC	2017	3,129	14,004	13,545,281	21,059,747	10,429,867	16,216,005	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2018	0	14,004	14,186,938	35,246,685	10,923,942	27,139,947	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2019	0	14,004	14,186,915	49,433,600	10,923,924	38,063,872	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2020	0	14,004	14,186,920	63,620,520	10,923,929	48,987,800	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2021	0	14,004	14,186,862	77,807,382	10,923,883	59,911,684	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2022	0	14,004	14,186,900	91,994,282	10,923,913	70,835,597	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2023	-3,141	14,004	13,560,542	105,554,823	10,441,617	81,277,214	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2024	-7,734	10,657	7,329,079	112,883,903	5,643,391	86,920,605	1,000	1,000
Residential	4	Residential Appliance Recycling	RARC	2025	-3,129	2,314	649,506	113,533,409	500,120	87,420,725	361	278
Residential	5	Residential Retail LED	RLED	2017	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2018	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2019	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	5	Residential Retail LED	RLED	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	157	157	20,187	20,187	21,196	21,196	10	10
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	217,155	412,916	228,013	433,562	64	67
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	132	420	244,140	657,056	256,347	689,909	64	67
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	19	439	286,433	943,490	300,755	990,664	84	88
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	69	508	299,353	1,242,843	312,063	1,302,727	88	93
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	508	304,286	1,547,129	316,009	1,618,736	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	508	304,286	1,851,415	316,009	1,934,745	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	508	304,285	2,155,701	316,008	2,250,753	91	94
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	508	304,286	2,459,987	316,009	2,566,762	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	508	304,286	2,764,273	316,009	2,882,771	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	508	304,287	3,068,561	316,010	3,198,781	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	508	304,286	3,372,847	316,009	3,514,790	91	94
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	0	508	304,285	3,677,132	316,008	3,830,798	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	-157	508	284,472	3,961,604	295,204	4,126,002	92	96
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	-130	309	129,093	4,090,697	132,056	4,258,058	57	59
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	221	87,807	4,178,503	88,705	4,346,763	30	31
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	-1	220	87,133	4,265,636	87,998	4,434,761	30	31
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	-130	220	60,248	4,325,884	59,769	4,494,530	30	30
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	-19	89	17,876	4,343,760	15,278	4,509,808	7	6
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	-71	71	4,963	4,348,723	3,971	4,513,779	4	3
Residential	4	Residential Appliance Recycling	RARC	2015	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2016	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2017	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2018	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2019	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	4	Residential Appliance Recycling	RARC	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
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	4,606,556	4,950,591	3,915,573	4,208,003	997	998
Residential	5	Residential Retail LED	RLED	2019	0	334,497	8,133,344	13,083,936	6,913,343	11,121,346	999	998
Residential	5	Residential Retail LED	RLED	2020	0	334,497	8,133,334	21,217,270	6,913,334	18,034,680	999	998
Residential	5	Residential Retail LED	RLED	2021	0	334,497	8,133,386	29,350,656	6,913,378	24,948,058	999	998
Residential	5	Residential Retail LED	RLED	2022	0	334,497	8,133,345	37,484,001	6,913,343	31,861,401	999	998
Residential	5	Residential Retail LED	RLED	2023	0	334,497	8,133,342	45,617,343	6,913,341	38,774,742	999	998
Residential	5	Residential Retail LED	RLED	2024	0	334,497	8,133,291	53,750,634	6,913,297	45,688,039	999	998
Residential	5	Residential Retail LED	RLED	2025	0	334,497	8,133,328	61,883,963	6,913,329	52,601,368	999	998
Residential	5	Residential Retail LED	RLED	2026	0	334,497	8,133,326	70,017,288	6,913,327	59,514,695	999	998
Residential	5	Residential Retail LED	RLED	2027	0	334,497	8,133,386	78,150,674	6,913,378	66,428,073	999	998
Residential	5	Residential Retail LED	RLED	2028	0	334,497	8,133,344	86,284,019	6,913,342	73,341,416	999	998
Residential	5	Residential Retail LED	RLED	2029	0	334,497	8,133,294	94,417,312	6,913,300	80,254,715	999	998
Residential	5	Residential Retail LED	RLED	2030	0	334,497	8,133,344	102,550,657	6,913,343	87,168,058	999	998
Residential	5	Residential Retail LED	RLED	2031	0	334,497	8,133,328	110,683,985	6,913,329	94,081,387	999	998
Residential	5	Residential Retail LED	RLED	2032	0	334,497	8,133,375	118,817,359	6,913,368	100,994,756	999	998
Residential	5	Residential Retail LED	RLED	2033	0	334,497	8,133,345	126,950,704	6,913,343	107,908,098	999	998
Residential	5	Residential Retail LED	RLED	2034	0	334,497	8,133,342	135,084,046	6,913,341	114,821,439	999	998
Residential	5	Residential Retail LED	RLED	2035	0	334,497	8,133,294	143,217,340	6,913,300	121,734,739	999	998
Residential	5	Residential Retail LED	RLED	2036	0	334,497	8,133,346	151,350,686	6,913,344	128,648,083	999	998
Residential	5	Residential Retail LED	RLED	2037	-70,261	334,497	7,795,922	159,146,608	6,626,533	135,274,617	1,000	1,000
Residential	5	Residential Retail LED	RLED	2038	-264,236	251,754	3,543,792	162,690,400	3,012,223	138,286,840	953	999

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	110,248	110,248	115,761	115,761	100	100
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2016	8,560	10,083	2,271,111	2,381,359	2,384,666	2,500,427	943	989
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2017	6,100	16,183	5,960,586	8,341,945	6,258,615	8,759,042	1,047	1,049
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2018	1,142	17,325	7,283,290	15,625,234	7,647,454	16,406,496	1,064	1,067
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2019	6,029	23,354	8,151,671	23,776,905	8,559,254	24,965,750	1,064	1,067
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2020	1,066	24,420	9,313,369	33,090,274	9,779,037	34,744,788	1,084	1,088
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2021	1,936	26,356	9,714,331	42,804,605	10,126,182	44,870,970	1,087	1,092
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2022	0	26,356	9,891,985	52,696,590	10,268,302	55,139,272	1,091	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2023	0	26,356	9,891,987	62,588,577	10,268,304	65,407,576	1,091	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2024	0	26,356	9,891,963	72,480,540	10,268,281	75,675,856	1,090	1,094
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2025	0	26,356	9,891,986	82,372,526	10,268,303	85,944,159	1,092	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2026	0	26,356	9,891,987	92,264,513	10,268,304	96,212,463	1,091	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2027	0	26,356	9,892,002	102,156,515	10,268,319	106,480,782	1,091	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2028	0	26,356	9,891,987	112,048,503	10,268,304	116,749,087	1,090	1,094
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2029	-1,521	26,356	9,782,966	121,831,469	10,153,833	126,902,920	1,092	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2030	-8,561	24,726	7,631,475	129,462,943	7,894,766	134,797,686	1,092	1,096
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2031	-6,101	15,804	3,939,104	133,402,048	4,017,777	138,815,464	1,056	1,059
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2032	0	10,173	2,671,886	136,073,934	2,687,197	141,502,661	723	727
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2033	-1,137	10,170	2,610,085	138,684,020	2,622,308	144,124,969	723	727
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2034	-6,032	8,956	1,744,173	140,428,193	1,713,099	145,838,068	598	596
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2035	-1,066	2,999	579,449	141,007,641	490,140	146,328,208	107	106
Residential	4	Residential Income and Age Qualifying Home Improvement	EAL3	2036	-1,938	1,938	178,671	141,186,312	142,937	146,471,145	104	102
Residential	4	Residential Appliance Recycling	RARC	2015	3,141	3,141	635,580	635,580	489,397	489,397	436	336
Residential	4	Residential Appliance Recycling	RARC	2016	7,734	10,875	6,878,886	7,514,466	5,296,742	5,786,139	1,000	999
Residential	4	Residential Appliance Recycling	RARC	2017	3,129	14,004	13,545,281	21,059,747	10,429,867	16,216,005	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2018	0	14,004	14,186,938	35,246,685	10,923,942	27,139,947	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2019	0	14,004	14,186,915	49,433,600	10,923,924	38,063,872	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2020	0	14,004	14,186,920	63,620,520	10,923,929	48,987,800	2,227	1,715
Residential	4	Residential Appliance Recycling	RARC	2021	0	14,004	14,186,862	77,807,382	10,923,883	59,911,684	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2022	0	14,004	14,186,900	91,994,282	10,923,913	70,835,597	2,226	1,714
Residential	4	Residential Appliance Recycling	RARC	2023	-3,141	14,004	13,560,542	105,554,823	10,441,617	81,277,214	2,227	1,714
Residential	4	Residential Appliance Recycling	RARC	2024	-7,734	10,657	7,329,079	112,883,903	5,643,391	86,920,605	1,000	1,000
Residential	4	Residential Appliance Recycling	RARC	2025	-3,129	2,314	649,506	113,533,409	500,120	87,420,725	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	4,606,556	4,950,591	3,915,573	4,208,003	997	998
Residential	5	Residential Retail LED	RLED	2019	0	334,497	8,133,344	13,083,936	6,913,343	11,121,346	999	998
Residential	5	Residential Retail LED	RLED	2020	0	334,497	8,133,334	21,217,270	6,913,334	18,034,680	999	998
Residential	5	Residential Retail LED	RLED	2021	0	334,497	8,133,386	29,350,656	6,913,378	24,948,058	999	998
Residential	5	Residential Retail LED	RLED	2022	0	334,497	8,133,345	37,484,001	6,913,343	31,861,401	999	998
Residential	5	Residential Retail LED	RLED	2023	0	334,497	8,133,342	45,617,343	6,913,341	38,774,742	999	998
Residential	5	Residential Retail LED	RLED	2024	0	334,497	8,133,291	53,750,634	6,913,297	45,688,039	999	998
Residential	5	Residential Retail LED	RLED	2025	0	334,497	8,133,328	61,883,963	6,913,329	52,601,368	999	998
Residential	5	Residential Retail LED	RLED	2026	0	334,497	8,133,326	70,017,288	6,913,327	59,514,695	999	998
Residential	5	Residential Retail LED	RLED	2027	0	334,497	8,133,386	78,150,674	6,913,378	66,428,073	999	998
Residential	5	Residential Retail LED	RLED	2028	0	334,497	8,133,344	86,284,019	6,913,342	73,341,416	999	998
Residential	5	Residential Retail LED	RLED	2029	0	334,497	8,133,294	94,417,312	6,913,300	80,254,715	999	998
Residential	5	Residential Retail LED	RLED	2030	0	334,497	8,133,344	102,550,657	6,913,343	87,168,058	999	998
Residential	5	Residential Retail LED	RLED	2031	0	334,497	8,133,328	110,683,985	6,913,329	94,081,387	999	998
Residential	5	Residential Retail LED	RLED	2032	0	334,497	8,133,375	118,817,359	6,913,368	100,994,756	999	998
Residential	5	Residential Retail LED	RLED	2033	0	334,497	8,133,345	126,950,704	6,913,343	107,908,098	999	998
Residential	5	Residential Retail LED	RLED	2034	0	334,497	8,133,342	135,084,046	6,913,341	114,821,439	999	998
Residential	5	Residential Retail LED	RLED	2035	0	334,497	8,133,294	143,217,340	6,913,300	121,734,739	999	998
Residential	5	Residential Retail LED	RLED	2036	0	334,497	8,133,346	151,350,686	6,913,344	128,648,083	999	998
Residential	5	Residential Retail LED	RLED	2037	-70,261	334,497	7,795,922	159,146,608	6,626,533	135,274,617	1,000	1,000
Residential	5	Residential Retail LED	RLED	2038	-264,236	251,754	3,543,792	162,690,400	3,012,223	138,286,840	953	999

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	7	Residential Appliance Recycling	RAR2	2019	1,579	1,579	198,849	198,849	119,309	119,309	100	89
Residential	7	Residential Appliance Recycling	RAR2	2020	972	2,551	1,811,918	2,010,767	1,087,151	1,206,460	286	172
Residential	7	Residential Appliance Recycling	RAR2	2021	0	2,551	2,123,600	4,134,367	1,274,160	2,480,620	331	198
Residential	7	Residential Appliance Recycling	RAR2	2022	2,478	5,029	2,847,709	6,982,076	1,708,625	4,189,246	460	276
Residential	7	Residential Appliance Recycling	RAR2	2023	1,532	6,561	4,321,924	11,304,000	2,593,154	6,782,400	701	421
Residential	7	Residential Appliance Recycling	RAR2	2024	0	6,561	4,580,164	15,884,164	2,748,098	9,530,498	714	428
Residential	7	Residential Appliance Recycling	RAR2	2025	0	6,561	4,580,151	20,464,315	2,748,091	12,278,589	714	428
Residential	7	Residential Appliance Recycling	RAR2	2026	0	6,561	4,580,150	25,044,464	2,748,090	15,026,679	714	428
Residential	7	Residential Appliance Recycling	RAR2	2027	-1,579	6,561	4,384,603	29,429,067	2,630,762	17,657,440	714	428
Residential	7	Residential Appliance Recycling	RAR2	2028	-972	4,694	2,770,473	32,199,540	1,662,284	19,319,724	439	263
Residential	7	Residential Appliance Recycling	RAR2	2029	0	4,010	2,456,554	34,656,094	1,473,932	20,793,656	383	230
Residential	7	Residential Appliance Recycling	RAR2	2030	-2,478	3,840	1,736,382	36,392,476	1,041,829	21,835,486	294	176
Residential	7	Residential Appliance Recycling	RAR2	2031	-1,532	1,220	260,846	36,653,322	156,508	21,991,994	100	71
Residential	7	Residential Efficient Products Marketplace	REEC	2019	2,785,850	2,785,850	15,325,702	15,325,702	10,727,983	10,727,983	9,998	9,969
Residential	7	Residential Efficient Products Marketplace	REEC	2020	2,596,966	5,382,816	126,115,902	141,441,604	86,994,809	97,722,792	42,794	9,999
Residential	7	Residential Efficient Products Marketplace	REEC	2021	4,263,855	9,646,671	230,117,681	371,559,286	145,892,149	243,614,941	76,463	45,861
Residential	7	Residential Efficient Products Marketplace	REEC	2022	5,163,385	14,810,056	368,091,550	739,650,835	214,758,326	458,373,267	99,629	66,817
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	14,810,056	443,637,537	1,183,288,372	252,747,248	711,120,514	99,966	67,353
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	14,810,056	443,634,581	1,626,922,953	252,745,558	963,866,073	99,988	67,367
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	14,810,056	443,637,145	2,070,560,098	252,747,012	1,216,613,085	99,983	67,363
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	14,810,056	443,637,680	2,514,197,778	252,747,298	1,469,360,383	99,979	67,361
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	14,810,056	443,640,282	2,957,838,060	252,748,812	1,722,109,195	99,958	67,347
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	14,810,056	443,637,771	3,401,475,831	252,747,379	1,974,856,573	99,958	67,346
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	14,810,056	443,634,442	3,845,110,273	252,745,489	2,227,602,062	99,983	67,365
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	14,810,056	443,637,725	4,288,747,997	252,747,354	2,480,349,416	99,983	67,365
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	14,810,056	443,637,137	4,732,385,135	252,747,007	2,733,096,423	99,983	67,363
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	14,810,056	443,640,623	5,176,025,758	252,748,980	2,985,845,403	99,970	67,355
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	14,810,056	443,637,587	5,619,663,345	252,747,279	3,238,592,682	99,958	67,347
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	14,810,056	443,637,537	6,063,300,882	252,747,248	3,491,339,929	99,966	67,353
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	14,810,056	443,634,436	6,506,935,318	252,745,486	3,744,085,415	99,983	67,365
Residential	7	Residential Efficient Products Marketplace	REEC	2036	-3,928,547	14,810,056	388,288,166	6,895,223,485	214,229,348	3,958,314,763	99,594	63,445
Residential	7	Residential Efficient Products Marketplace	REEC	2037	-3,201,828	10,698,035	278,260,917	7,173,484,402	141,518,801	4,099,833,565	84,704	44,485
Residential	7	Residential Efficient Products Marketplace	REEC	2038	-4,687,051	7,401,725	160,037,622	7,333,522,024	80,308,988	4,180,142,553	58,588	10,000
Residential	7	Residential Efficient Products Marketplace	REEC	2039	-2,992,630	2,592,482	27,010,872	7,360,532,895	13,582,772	4,193,725,325	9,962	9,997
Residential	7	Residential Home Energy Assessment	RTHO	2020	2,738	2,738	2,181,855	2,181,855	480,008	480,008	991	100
Residential	7	Residential Home Energy Assessment	RTHO	2021	9,917	12,655	16,774,406	18,956,261	3,808,506	4,288,514	9,949	999
Residential	7	Residential Home Energy Assessment	RTHO	2022	6,509	19,164	34,248,497	53,204,758	8,964,291	13,252,805	10,000	1,000
Residential	7	Residential Home Energy Assessment	RTHO	2023	4,101	23,265	43,472,734	96,677,492	12,654,003	25,906,809	1,000	989
Residential	7	Residential Home Energy Assessment	RTHO	2024	234	23,499	45,310,498	141,987,989	13,389,138	39,295,947	999	912
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	23,499	45,311,140	187,299,129	13,389,327	52,685,273	999	920
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	23,499	45,311,139	232,610,268	13,389,327	66,074,600	999	920
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	23,499	45,311,381	277,921,649	13,389,398	79,463,998	1,000	919
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	23,499	45,311,054	323,232,703	13,389,302	92,853,300	1,000	912
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	23,499	45,310,709	368,543,412	13,389,200	106,242,500	999	920
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	23,499	45,311,136	413,854,548	13,389,326	119,631,825	999	920
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	23,499	45,311,139	459,165,687	13,389,327	133,021,152	999	920
Residential	7	Residential Home Energy Assessment	RTHO	2032	-962	23,499	44,680,198	503,845,885	13,250,523	146,271,675	13,037	912
Residential	7	Residential Home Energy Assessment	RTHO	2033	-6,799	22,427	38,489,737	542,335,622	11,860,763	158,132,438	9,993	1,000
Residential	7	Residential Home Energy Assessment	RTHO	2034	-8,301	14,839	18,336,753	560,672,375	6,934,779	165,067,216	9,984	1,000
Residential	7	Residential Home Energy Assessment	RTHO	2035	-5,857	7,080	5,548,487	566,220,861	2,219,395	167,286,611	1,000	996
Residential	7	Residential Home Energy Assessment	RTHO	2036	-1,337	1,172	293,932	566,514,793	117,573	167,404,184	100	100
Residential	8	Residential Customer Engagement	RCEB	2021	286,456	302,983	33,621,980	33,621,980	2,689,758	2,689,758	9,980	976
Residential	8	Residential Customer Engagement	RCEB	2022	263,463	285,071	40,816,692	74,438,672	6,169,951	8,859,710	9,997	1,000
Residential	8	Residential Customer Engagement	RCEB	2023	256,468	262,304	32,718,813	107,157,484	5,562,198	14,421,908	9,960	998
Residential	8	Residential Customer Engagement	RCEB	2024	0	256,468	7,397,654	115,393,978	1,257,601	15,822,112	9,970	1,000
Residential	8	Residential Electric Vehicle Rewards	REVDR	2021	0	0	0	0	0	0	0	0
Residential	8	Residential Electric Vehicle Rewards	REVDR	2022	3,592	686	0	0	0	0	0	0
Residential	8	Residential Electric Vehicle Rewards	REVDR	2023	9,169	809	7,704	7,704	7,704	7,704	90	90
Residential	8	Residential Electric Vehicle Rewards	REVDR	2024	803	803	0	7,704	0	7,704	0	0
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2021	95	95	2,372	2,372	1,898	1,898	5	4
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2022	205	300	23,770	26,142	19,016	20,914	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2023	338	638	59,344	85,487	47,475	68,389	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2024	224	862	83,024	168,510	66,419	134,808	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2025	0	862	83,008	251,518	66,406	201,215	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2026	0	862	83,008	334,527	66,407	267,621	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2027	0	862	82,993	417,519	66,394	334,015	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2028	0	862	83,008	500,527	66,406	400,422	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2029	0	862	83,023	583,551	66,419	466,841	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2030	0	862	83,008	666,559	66,407	533,247	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2031	-94	862	80,671	747,230	64,537	597,784	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2032	-206	745	59,310	806,540	47,448	645,232	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2033	-338	527	23,738	830,278	18,990	664,223	10	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	7	Residential Appliance Recycling	RAR2	2019	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	7	Residential Appliance Recycling	RAR2	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	7	Residential Appliance Recycling	RAR2	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	7	Residential Appliance Recycling	RAR2	2022	19	19	7,666	7,666	4,600	4,600	2	1
Residential	7	Residential Appliance Recycling	RAR2	2023	22	41	25,944	33,610	15,567	20,166	4	3
Residential	7	Residential Appliance Recycling	RAR2	2024	0	41	29,319	62,930	17,592	37,758	5	3
Residential	7	Residential Appliance Recycling	RAR2	2025	0	41	29,319	92,249	17,592	55,349	5	3
Residential	7	Residential Appliance Recycling	RAR2	2026	0	41	29,319	121,568	17,592	72,941	5	3
Residential	7	Residential Appliance Recycling	RAR2	2027	0	41	29,319	150,887	17,592	90,532	5	3
Residential	7	Residential Appliance Recycling	RAR2	2028	0	41	29,319	180,207	17,592	108,124	5	3
Residential	7	Residential Appliance Recycling	RAR2	2029	0	41	29,319	209,526	17,592	125,716	5	3
Residential	7	Residential Appliance Recycling	RAR2	2030	-19	41	21,694	231,220	13,017	138,732	4	2
Residential	7	Residential Appliance Recycling	RAR2	2031	-22	19	3,415	234,635	2,049	140,781	2	1
Residential	7	Residential Efficient Products Marketplace	REEC	2019	0	0	0	0	0	0	0	0
Residential	7	Residential Efficient Products Marketplace	REEC	2020	86,493	86,493	1,224,965	1,224,966	816,795	816,795	729	485
Residential	7	Residential Efficient Products Marketplace	REEC	2021	116,668	203,161	4,593,412	5,818,377	2,676,150	3,492,945	1,000	961
Residential	7	Residential Efficient Products Marketplace	REEC	2022	84,301	287,462	7,486,144	13,304,521	4,023,031	7,515,976	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	287,462	9,118,084	22,422,604	4,799,762	12,315,738	1,000	999
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	287,462	9,118,022	31,540,626	4,799,729	17,115,467	999	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	287,462	9,118,077	40,658,704	4,799,758	21,915,225	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	287,462	9,118,091	49,776,795	4,799,766	26,714,991	1,000	999
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	287,462	9,118,141	58,894,936	4,799,793	31,514,784	1,000	999
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	287,462	9,118,089	68,013,025	4,799,765	36,314,548	1,000	999
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	287,462	9,118,018	77,131,043	4,799,727	41,114,275	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	287,462	9,118,088	86,249,131	4,799,764	45,914,039	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	287,462	9,118,077	95,367,208	4,799,758	50,713,797	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	287,462	9,118,153	104,485,361	4,799,799	55,513,596	999	999
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	287,462	9,118,084	113,603,445	4,799,762	60,313,358	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	287,462	9,118,084	122,721,529	4,799,762	65,113,120	1,000	999
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	287,462	9,118,018	131,839,547	4,799,727	69,912,847	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2036	-33,035	287,462	8,938,169	140,777,716	4,677,997	74,590,844	1,000	1,000
Residential	7	Residential Efficient Products Marketplace	REEC	2037	-111,445	247,417	6,585,474	147,363,190	3,190,499	77,781,343	1,000	997
Residential	7	Residential Efficient Products Marketplace	REEC	2038	-89,998	135,015	3,198,712	150,561,901	1,506,656	79,287,998	1,000	567
Residential	7	Residential Efficient Products Marketplace	REEC	2039	-52,983	48,080	666,000	151,227,901	319,864	79,607,863	488	100
Residential	7	Residential Home Energy Assessment	RTHO	2020	17	17	3,864	3,864	850	850	8	2
Residential	7	Residential Home Energy Assessment	RTHO	2021	32	49	54,551	58,415	12,353	13,203	10	8
Residential	7	Residential Home Energy Assessment	RTHO	2022	18	67	99,883	158,298	24,417	37,620	10	10
Residential	7	Residential Home Energy Assessment	RTHO	2023	8	75	126,428	284,726	35,035	72,655	8	10
Residential	7	Residential Home Energy Assessment	RTHO	2024	0	75	128,165	412,891	35,730	108,386	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	75	128,167	541,059	35,731	144,117	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	75	128,167	669,226	35,731	179,848	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	75	128,168	797,394	35,731	215,579	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	75	128,167	925,561	35,731	251,310	48	10
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	75	128,166	1,053,727	35,731	287,040	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	75	128,167	1,181,894	35,731	322,771	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	75	128,167	1,310,061	35,731	358,502	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2032	-9	75	127,865	1,437,927	35,665	394,167	9	10
Residential	7	Residential Home Energy Assessment	RTHO	2033	-24	66	108,282	1,546,209	31,289	425,455	10	10
Residential	7	Residential Home Energy Assessment	RTHO	2034	-23	37	43,455	1,589,664	16,168	441,623	10	9
Residential	7	Residential Home Energy Assessment	RTHO	2035	-19	19	12,892	1,602,555	5,157	446,780	10	5
Residential	7	Residential Home Energy Assessment	RTHO	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Customer Engagement	RCEB	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Customer Engagement	RCEB	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Customer Engagement	RCEB	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Customer Engagement	RCEB	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Rewards	REVDR	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Rewards	REVDR	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Rewards	REVDR	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Rewards	REVDR	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	7	Residential Appliance Recycling	RAR2	2019	1,579	1,579	198,849	198,849	119,309	119,309	100	89
Residential	7	Residential Appliance Recycling	RAR2	2020	972	2,551	1,811,918	2,010,767	1,087,151	1,206,460	286	172
Residential	7	Residential Appliance Recycling	RAR2	2021	0	2,551	2,123,600	4,134,367	1,274,160	2,480,620	331	198
Residential	7	Residential Appliance Recycling	RAR2	2022	2,497	5,048	2,855,375	6,989,742	1,713,225	4,193,845	462	277
Residential	7	Residential Appliance Recycling	RAR2	2023	1,554	6,602	4,347,868	11,337,610	2,608,721	6,802,566	705	423
Residential	7	Residential Appliance Recycling	RAR2	2024	0	6,602	4,609,483	15,947,093	2,765,690	9,568,256	718	431
Residential	7	Residential Appliance Recycling	RAR2	2025	0	6,602	4,609,470	20,556,564	2,765,682	12,333,938	718	431
Residential	7	Residential Appliance Recycling	RAR2	2026	0	6,602	4,609,469	25,166,032	2,765,681	15,099,620	718	431
Residential	7	Residential Appliance Recycling	RAR2	2027	-1,579	6,602	4,413,922	29,579,955	2,648,353	17,747,973	718	431
Residential	7	Residential Appliance Recycling	RAR2	2028	-972	4,735	2,799,792	32,379,747	1,679,875	19,427,848	443	266
Residential	7	Residential Appliance Recycling	RAR2	2029	0	4,051	2,485,873	34,865,620	1,491,524	20,919,372	388	233
Residential	7	Residential Appliance Recycling	RAR2	2030	-2,497	3,881	1,758,077	36,623,696	1,054,846	21,974,218	298	179
Residential	7	Residential Appliance Recycling	RAR2	2031	-1,554	1,239	264,262	36,887,958	158,557	22,132,775	102	72
Residential	7	Residential Efficient Products Marketplace	REEC	2019	2,785,850	2,785,850	15,325,702	15,325,702	10,727,983	10,727,983	9,999	9,969
Residential	7	Residential Efficient Products Marketplace	REEC	2020	2,683,459	5,469,309	127,340,868	142,666,570	87,811,604	98,539,587	43,523	10,483
Residential	7	Residential Efficient Products Marketplace	REEC	2021	4,380,523	9,849,832	234,711,093	377,377,663	148,568,299	247,107,886	77,462	46,822
Residential	7	Residential Efficient Products Marketplace	REEC	2022	5,247,686	15,097,518	375,577,693	752,955,356	218,781,357	465,889,243	100,629	67,816
Residential	7	Residential Efficient Products Marketplace	REEC	2023	0	15,097,518	452,755,620	1,205,710,976	257,547,010	723,436,252	100,966	68,353
Residential	7	Residential Efficient Products Marketplace	REEC	2024	0	15,097,518	452,752,603	1,658,463,579	257,545,287	980,981,540	100,987	68,367
Residential	7	Residential Efficient Products Marketplace	REEC	2025	0	15,097,518	452,755,223	2,111,218,802	257,546,770	1,238,528,310	100,982	68,363
Residential	7	Residential Efficient Products Marketplace	REEC	2026	0	15,097,518	452,755,771	2,563,974,573	257,547,064	1,496,075,374	100,978	68,360
Residential	7	Residential Efficient Products Marketplace	REEC	2027	0	15,097,518	452,758,423	3,016,732,996	257,548,604	1,753,623,978	100,958	68,346
Residential	7	Residential Efficient Products Marketplace	REEC	2028	0	15,097,518	452,755,860	3,469,488,856	257,547,143	2,011,171,122	100,958	68,346
Residential	7	Residential Efficient Products Marketplace	REEC	2029	0	15,097,518	452,752,460	3,922,241,316	257,545,216	2,268,716,337	100,983	68,365
Residential	7	Residential Efficient Products Marketplace	REEC	2030	0	15,097,518	452,755,813	4,374,997,128	257,547,117	2,526,263,455	100,983	68,364
Residential	7	Residential Efficient Products Marketplace	REEC	2031	0	15,097,518	452,755,214	4,827,752,343	257,546,766	2,783,810,221	100,982	68,363
Residential	7	Residential Efficient Products Marketplace	REEC	2032	0	15,097,518	452,758,776	5,280,511,119	257,548,778	3,041,358,999	100,969	68,355
Residential	7	Residential Efficient Products Marketplace	REEC	2033	0	15,097,518	452,755,672	5,733,266,791	257,547,041	3,298,906,040	100,958	68,347
Residential	7	Residential Efficient Products Marketplace	REEC	2034	0	15,097,518	452,755,620	6,186,022,411	257,547,010	3,556,453,049	100,966	68,353
Residential	7	Residential Efficient Products Marketplace	REEC	2035	0	15,097,518	452,752,454	6,638,774,865	257,545,213	3,813,998,262	100,983	68,365
Residential	7	Residential Efficient Products Marketplace	REEC	2036	-3,961,582	15,097,518	397,226,335	7,036,001,200	218,907,345	4,032,905,607	100,594	64,445
Residential	7	Residential Efficient Products Marketplace	REEC	2037	-3,313,273	10,945,453	284,846,391	7,320,847,591	144,709,300	4,177,614,907	85,703	45,482
Residential	7	Residential Efficient Products Marketplace	REEC	2038	-4,777,049	7,536,741	163,236,334	7,484,083,925	81,815,644	4,259,430,551	59,588	10,566
Residential	7	Residential Efficient Products Marketplace	REEC	2039	-3,045,614	2,640,561	27,676,871	7,511,760,796	13,902,637	4,273,333,188	10,450	10,097
Residential	7	Residential Home Energy Assessment	RTHO	2020	2,755	2,755	2,185,719	2,185,719	480,858	480,858	999	102
Residential	7	Residential Home Energy Assessment	RTHO	2021	9,949	12,704	16,828,957	19,014,676	3,820,859	4,301,717	9,959	1,007
Residential	7	Residential Home Energy Assessment	RTHO	2022	6,527	19,231	34,348,380	53,363,056	8,988,708	13,290,425	10,010	1,010
Residential	7	Residential Home Energy Assessment	RTHO	2023	4,109	23,340	43,599,162	96,962,218	12,689,039	25,979,464	1,008	999
Residential	7	Residential Home Energy Assessment	RTHO	2024	234	23,574	45,438,663	142,400,881	13,424,868	39,404,332	1,008	922
Residential	7	Residential Home Energy Assessment	RTHO	2025	0	23,574	45,439,307	187,840,188	13,425,058	52,829,390	1,008	930
Residential	7	Residential Home Energy Assessment	RTHO	2026	0	23,574	45,439,306	233,279,494	13,425,058	66,254,448	1,008	930
Residential	7	Residential Home Energy Assessment	RTHO	2027	0	23,574	45,439,549	278,719,043	13,425,129	79,679,577	1,009	929
Residential	7	Residential Home Energy Assessment	RTHO	2028	0	23,574	45,439,221	324,158,264	13,425,033	93,104,610	1,048	922
Residential	7	Residential Home Energy Assessment	RTHO	2029	0	23,574	45,438,875	369,597,139	13,424,930	106,529,540	1,008	930
Residential	7	Residential Home Energy Assessment	RTHO	2030	0	23,574	45,439,303	415,036,442	13,425,057	119,954,597	1,008	930
Residential	7	Residential Home Energy Assessment	RTHO	2031	0	23,574	45,439,306	460,475,749	13,425,058	133,379,654	1,008	930
Residential	7	Residential Home Energy Assessment	RTHO	2032	-971	23,574	44,808,064	505,283,812	13,286,188	146,665,842	13,046	922
Residential	7	Residential Home Energy Assessment	RTHO	2033	-6,823	22,493	38,598,019	543,881,831	11,892,051	158,557,893	10,003	1,010
Residential	7	Residential Home Energy Assessment	RTHO	2034	-8,324	14,876	18,380,207	562,262,038	6,950,946	165,508,839	9,994	1,008
Residential	7	Residential Home Energy Assessment	RTHO	2035	-5,876	7,099	5,561,378	567,823,417	2,224,551	167,733,391	1,010	1,001
Residential	7	Residential Home Energy Assessment	RTHO	2036	-1,337	1,172	293,932	566,514,793	117,573	167,404,184	100	100
Residential	8	Residential Customer Engagement	RCEB	2021	286,456	302,983	33,621,980	33,621,980	2,689,758	2,689,758	9,980	976
Residential	8	Residential Customer Engagement	RCEB	2022	263,463	285,071	40,816,692	74,438,672	6,169,951	8,859,710	9,997	1,000
Residential	8	Residential Customer Engagement	RCEB	2023	256,468	262,304	32,718,813	107,157,484	5,562,198	14,421,908	9,960	998
Residential	8	Residential Customer Engagement	RCEB	2024	0	256,468	7,397,654	115,393,978	1,257,601	15,822,112	9,970	1,000
Residential	8	Residential Electric Vehicle Rewards	REVDR	2021	0	0	0	0	0	0	0	0
Residential	8	Residential Electric Vehicle Rewards	REVDR	2022	3,592	686	0	0	0	0	0	0
Residential	8	Residential Electric Vehicle Rewards	REVDR	2023	9,169	809	7,704	7,704	7,704	7,704	90	90
Residential	8	Residential Electric Vehicle Rewards	REVDR	2024	803	803	0	7,704	0	7,704	0	0
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2021	95	95	2,372	2,372	1,898	1,898	5	4
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2022	205	300	23,770	26,142	19,016	20,914	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2023	338	638	59,344	85,487	47,475	68,389	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2024	224	862	83,024	168,510	66,419	134,808	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2025	0	862	83,008	251,518	66,406	201,215	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2026	0	862	83,008	334,527	66,407	267,621	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2027	0	862	82,993	417,519	66,394	334,015	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2028	0	862	83,008	500,527	66,406	400,422	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2029	0	862	83,023	583,551	66,419	466,841	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2030	0	862	83,008	666,559	66,407	533,247	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2031	-94	862	80,671	747,230	64,537	597,784	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2032	-206	745	59,310	806,540	47,448	645,232	10	10
Residential	8	Residential Electric Vehicle Energy Efficiency	REVEE	2033	-338	527	23,738	830,278	18,990	664,223	10	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Home Retrofit	RHRF	2021	99	99	40,700	40,700	36,630	36,630	47	42
Residential	8	Residential Home Retrofit	RHRF	2022	50	149	262,936	303,637	236,643	273,273	98	78
Residential	8	Residential Home Retrofit	RHRF	2023	44	193	373,373	677,010	336,036	609,309	100	99
Residential	8	Residential Home Retrofit	RHRF	2024	20	213	441,918	1,118,928	397,726	1,007,035	100	100
Residential	8	Residential Home Retrofit	RHRF	2025	0	213	441,924	1,560,851	397,731	1,404,766	100	100
Residential	8	Residential Home Retrofit	RHRF	2026	0	213	441,924	2,002,775	397,731	1,802,498	100	100
Residential	8	Residential Home Retrofit	RHRF	2027	0	213	440,518	2,443,293	396,466	2,198,964	100	100
Residential	8	Residential Home Retrofit	RHRF	2028	0	213	439,264	2,882,557	395,338	2,594,301	100	99
Residential	8	Residential Home Retrofit	RHRF	2029	0	213	439,113	3,321,670	395,202	2,989,503	100	100
Residential	8	Residential Home Retrofit	RHRF	2030	0	213	438,575	3,760,245	394,717	3,384,221	100	100
Residential	8	Residential Home Retrofit	RHRF	2031	0	213	438,428	4,198,673	394,585	3,778,806	100	100
Residential	8	Residential Home Retrofit	RHRF	2032	-1	213	437,648	4,636,321	393,883	4,172,689	100	99
Residential	8	Residential Home Retrofit	RHRF	2033	0	212	437,068	5,073,389	393,361	4,566,050	100	100
Residential	8	Residential Home Retrofit	RHRF	2034	0	212	437,068	5,510,457	393,361	4,959,411	100	100
Residential	8	Residential Home Retrofit	RHRF	2035	0	212	437,062	5,947,519	393,356	5,352,767	100	100
Residential	8	Residential Home Retrofit	RHRF	2036	-1	212	433,595	6,381,114	390,235	5,743,003	100	100
Residential	8	Residential Home Retrofit	RHRF	2037	-2	211	417,705	6,798,820	375,935	6,118,938	100	100
Residential	8	Residential Home Retrofit	RHRF	2038	-1	209	400,096	7,198,915	360,086	6,479,024	100	100
Residential	8	Residential Home Retrofit	RHRF	2039	0	208	388,302	7,587,217	349,472	6,828,496	100	100
Residential	8	Residential Home Retrofit	RHRF	2040	0	208	387,074	7,974,292	348,367	7,176,863	99	99
Residential	8	Residential Home Retrofit	RHRF	2041	-10	208	380,407	8,354,699	342,367	7,519,229	99	99
Residential	8	Residential Home Retrofit	RHRF	2042	0	198	345,189	8,699,888	310,670	7,829,899	100	100
Residential	8	Residential Home Retrofit	RHRF	2043	-1	198	332,588	9,032,475	299,329	8,129,228	100	99
Residential	8	Residential Home Retrofit	RHRF	2044	0	197	328,447	9,360,923	295,602	8,424,830	100	100
Residential	8	Residential Home Retrofit	RHRF	2045	0	197	328,443	9,689,366	295,599	8,720,429	100	100
Residential	8	Residential Home Retrofit	RHRF	2046	-88	197	296,175	9,985,541	266,558	8,986,987	100	100
Residential	8	Residential Home Retrofit	RHRF	2047	-46	107	128,071	10,113,612	115,264	9,102,251	69	62
Residential	8	Residential Home Retrofit	RHRF	2048	-43	60	52,130	10,165,742	46,917	9,149,168	10	10
Residential	8	Residential HVAC Health and Safety	RHVC	2021	3,350	3,350	282,874	282,874	226,299	226,299	100	100
Residential	8	Residential HVAC Health and Safety	RHVC	2022	3,654	7,004	1,790,615	2,073,488	1,432,492	1,658,791	984	100
Residential	8	Residential HVAC Health and Safety	RHVC	2023	3,692	10,696	2,686,048	4,759,537	2,148,839	3,807,629	999	980
Residential	8	Residential HVAC Health and Safety	RHVC	2024	0	10,696	3,136,687	7,896,223	2,509,349	6,316,979	997	1,000
Residential	8	Residential HVAC Health and Safety	RHVC	2025	0	10,696	3,136,789	11,033,012	2,509,431	8,826,409	998	1,000
Residential	8	Residential HVAC Health and Safety	RHVC	2026	0	10,696	3,136,788	14,169,800	2,509,431	11,335,840	999	991
Residential	8	Residential HVAC Health and Safety	RHVC	2027	-4	10,696	3,135,505	17,305,306	2,508,404	13,844,244	999	992
Residential	8	Residential HVAC Health and Safety	RHVC	2028	-331	10,692	3,102,666	20,407,971	2,482,133	16,326,377	1,000	998
Residential	8	Residential HVAC Health and Safety	RHVC	2029	-1,983	10,357	2,664,388	23,072,360	2,131,511	18,457,888	1,000	997
Residential	8	Residential HVAC Health and Safety	RHVC	2030	-2,798	7,767	1,994,072	25,066,432	1,595,258	20,053,145	994	795
Residential	8	Residential HVAC Health and Safety	RHVC	2031	-1,837	5,195	1,725,612	26,792,044	1,380,490	21,433,635	688	550
Residential	8	Residential HVAC Health and Safety	RHVC	2032	0	3,743	1,640,379	28,432,423	1,312,303	22,745,939	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2033	0	3,743	1,640,361	30,072,785	1,312,289	24,058,228	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2034	0	3,743	1,640,363	31,713,148	1,312,291	25,370,518	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2035	0	3,743	1,640,344	33,353,492	1,312,275	26,682,794	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2036	-37	3,743	1,632,936	34,986,428	1,306,349	27,989,143	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2037	-19	3,706	1,604,103	36,590,532	1,283,283	29,272,425	531	425
Residential	8	Residential HVAC Health and Safety	RHVC	2038	-24	3,687	1,580,586	38,171,118	1,264,469	30,536,894	517	414
Residential	8	Residential HVAC Health and Safety	RHVC	2039	-594	3,663	1,527,330	39,698,448	1,221,864	31,758,759	506	405
Residential	8	Residential HVAC Health and Safety	RHVC	2040	-1,122	3,063	1,156,237	40,854,685	924,989	32,683,748	424	339
Residential	8	Residential HVAC Health and Safety	RHVC	2041	-1,010	1,942	762,813	41,617,498	610,250	33,293,998	100	100
Residential	8	Residential HVAC Health and Safety	RHVC	2042	-272	927	265,067	41,882,565	212,054	33,506,052	99	97
Residential	8	Residential HVAC Health and Safety	RHVC	2043	-32	661	136,568	42,019,133	109,255	33,615,306	70	56
Residential	8	Residential HVAC Health and Safety	RHVC	2044	0	633	117,849	42,136,982	94,279	33,709,586	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2045	0	633	117,848	42,254,830	94,278	33,803,864	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2046	-456	633	96,088	42,350,918	76,870	33,880,734	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2047	-129	164	21,011	42,371,930	16,809	33,897,544	10	10
Residential	8	Residential HVAC Health and Safety	RHVC	2048	-48	42	5,864	42,377,793	4,691	33,902,234	5	4

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Home Retrofit	RHRF	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2044	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2045	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2046	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2047	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Home Retrofit	RHRF	2048	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2044	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2045	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2046	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2047	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential HVAC Health and Safety	RHVC	2048	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Home Retrofit	RHRF	2021	99	99	40,700	40,700	36,630	36,630	47	42
Residential	8	Residential Home Retrofit	RHRF	2022	50	149	262,936	303,637	236,643	273,273	98	78
Residential	8	Residential Home Retrofit	RHRF	2023	44	193	373,373	677,010	336,036	609,309	100	99
Residential	8	Residential Home Retrofit	RHRF	2024	20	213	441,918	1,118,928	397,726	1,007,035	100	100
Residential	8	Residential Home Retrofit	RHRF	2025	0	213	441,924	1,560,851	397,731	1,404,766	100	100
Residential	8	Residential Home Retrofit	RHRF	2026	0	213	441,924	2,002,775	397,731	1,802,498	100	100
Residential	8	Residential Home Retrofit	RHRF	2027	0	213	440,518	2,443,293	396,466	2,198,964	100	100
Residential	8	Residential Home Retrofit	RHRF	2028	0	213	439,264	2,882,557	395,338	2,594,301	100	99
Residential	8	Residential Home Retrofit	RHRF	2029	0	213	439,113	3,321,670	395,202	2,989,503	100	100
Residential	8	Residential Home Retrofit	RHRF	2030	0	213	438,575	3,760,245	394,717	3,384,221	100	100
Residential	8	Residential Home Retrofit	RHRF	2031	0	213	438,428	4,198,673	394,585	3,778,806	100	100
Residential	8	Residential Home Retrofit	RHRF	2032	-1	213	437,648	4,636,321	393,883	4,172,689	100	99
Residential	8	Residential Home Retrofit	RHRF	2033	0	212	437,068	5,073,389	393,361	4,566,050	100	100
Residential	8	Residential Home Retrofit	RHRF	2034	0	212	437,068	5,510,457	393,361	4,959,411	100	100
Residential	8	Residential Home Retrofit	RHRF	2035	0	212	437,062	5,947,519	393,356	5,352,767	100	100
Residential	8	Residential Home Retrofit	RHRF	2036	-1	212	433,595	6,381,114	390,235	5,743,003	100	100
Residential	8	Residential Home Retrofit	RHRF	2037	-2	211	417,705	6,798,820	375,935	6,118,938	100	100
Residential	8	Residential Home Retrofit	RHRF	2038	-1	209	400,096	7,198,915	360,086	6,479,024	100	100
Residential	8	Residential Home Retrofit	RHRF	2039	0	208	388,302	7,587,217	349,472	6,828,496	100	100
Residential	8	Residential Home Retrofit	RHRF	2040	0	208	387,074	7,974,292	348,367	7,176,863	99	99
Residential	8	Residential Home Retrofit	RHRF	2041	-10	208	380,407	8,354,699	342,367	7,519,229	99	99
Residential	8	Residential Home Retrofit	RHRF	2042	0	198	345,189	8,699,888	310,670	7,829,899	100	100
Residential	8	Residential Home Retrofit	RHRF	2043	-1	198	332,588	9,032,475	299,329	8,129,228	100	99
Residential	8	Residential Home Retrofit	RHRF	2044	0	197	328,447	9,360,923	295,602	8,424,830	100	100
Residential	8	Residential Home Retrofit	RHRF	2045	0	197	328,443	9,689,366	295,599	8,720,429	100	100
Residential	8	Residential Home Retrofit	RHRF	2046	-88	197	296,175	9,985,541	266,558	8,986,987	100	100
Residential	8	Residential Home Retrofit	RHRF	2047	-46	107	128,071	10,113,612	115,264	9,102,251	69	62
Residential	8	Residential Home Retrofit	RHRF	2048	-43	60	52,130	10,165,742	46,917	9,149,168	10	10
Residential	8	Residential HVAC Health and Safety	RHVC	2021	3,350	3,350	282,874	282,874	226,299	226,299	100	100
Residential	8	Residential HVAC Health and Safety	RHVC	2022	3,654	7,004	1,790,615	2,073,488	1,432,492	1,658,791	984	100
Residential	8	Residential HVAC Health and Safety	RHVC	2023	3,692	10,696	2,686,048	4,759,537	2,148,839	3,807,629	999	980
Residential	8	Residential HVAC Health and Safety	RHVC	2024	0	10,696	3,136,687	7,896,223	2,509,349	6,316,979	997	1,000
Residential	8	Residential HVAC Health and Safety	RHVC	2025	0	10,696	3,136,789	11,033,012	2,509,431	8,826,409	998	1,000
Residential	8	Residential HVAC Health and Safety	RHVC	2026	0	10,696	3,136,788	14,169,800	2,509,431	11,335,840	999	991
Residential	8	Residential HVAC Health and Safety	RHVC	2027	-4	10,696	3,135,505	17,305,306	2,508,404	13,844,244	999	992
Residential	8	Residential HVAC Health and Safety	RHVC	2028	-331	10,692	3,102,666	20,407,971	2,482,133	16,326,377	1,000	998
Residential	8	Residential HVAC Health and Safety	RHVC	2029	-1,983	10,357	2,664,388	23,072,360	2,131,511	18,457,888	1,000	997
Residential	8	Residential HVAC Health and Safety	RHVC	2030	-2,798	7,767	1,994,072	25,066,432	1,595,258	20,053,145	994	795
Residential	8	Residential HVAC Health and Safety	RHVC	2031	-1,837	5,195	1,725,612	26,792,044	1,380,490	21,433,635	688	550
Residential	8	Residential HVAC Health and Safety	RHVC	2032	0	3,743	1,640,379	28,432,423	1,312,303	22,745,939	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2033	0	3,743	1,640,361	30,072,785	1,312,289	24,058,228	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2034	0	3,743	1,640,363	31,713,148	1,312,291	25,370,518	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2035	0	3,743	1,640,344	33,353,492	1,312,275	26,682,794	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2036	-37	3,743	1,632,936	34,986,428	1,306,349	27,989,143	543	434
Residential	8	Residential HVAC Health and Safety	RHVC	2037	-19	3,706	1,604,103	36,590,532	1,283,283	29,272,425	531	425
Residential	8	Residential HVAC Health and Safety	RHVC	2038	-24	3,687	1,580,586	38,171,118	1,264,469	30,536,894	517	414
Residential	8	Residential HVAC Health and Safety	RHVC	2039	-594	3,663	1,527,330	39,698,448	1,221,864	31,758,759	506	405
Residential	8	Residential HVAC Health and Safety	RHVC	2040	-1,122	3,063	1,156,237	40,854,685	924,989	32,683,748	424	339
Residential	8	Residential HVAC Health and Safety	RHVC	2041	-1,010	1,942	762,813	41,617,498	610,250	33,293,998	100	100
Residential	8	Residential HVAC Health and Safety	RHVC	2042	-272	927	265,067	41,882,565	212,054	33,506,052	99	97
Residential	8	Residential HVAC Health and Safety	RHVC	2043	-32	661	136,568	42,019,133	109,255	33,615,306	70	56
Residential	8	Residential HVAC Health and Safety	RHVC	2044	0	633	117,849	42,136,982	94,279	33,709,586	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2045	0	633	117,848	42,254,830	94,278	33,803,864	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2046	-456	633	96,088	42,350,918	76,870	33,880,734	50	40
Residential	8	Residential HVAC Health and Safety	RHVC	2047	-129	164	21,011	42,371,930	16,809	33,897,544	10	10
Residential	8	Residential HVAC Health and Safety	RHVC	2048	-48	42	5,864	42,377,793	4,691	33,902,234	5	4

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Kits	RKTS	2021	28,113	28,113	960,622	960,622	576,373	576,373	950	570
Residential	8	Residential Kits	RKTS	2022	26,790	54,903	4,927,531	5,888,153	2,956,519	3,532,892	999	999
Residential	8	Residential Kits	RKTS	2023	31,398	86,301	8,349,893	14,238,046	5,009,936	8,542,827	1,000	999
Residential	8	Residential Kits	RKTS	2024	5,336	91,637	10,604,359	24,842,404	6,362,615	14,905,443	1,000	1,000
Residential	8	Residential Kits	RKTS	2025	0	91,637	10,604,427	35,446,831	6,362,656	21,268,099	1,000	999
Residential	8	Residential Kits	RKTS	2026	-27,261	91,637	9,714,562	45,161,393	5,828,737	27,096,836	1,000	999
Residential	8	Residential Kits	RKTS	2027	-26,178	64,376	6,182,867	51,344,260	3,709,720	30,806,556	999	1,000
Residential	8	Residential Kits	RKTS	2028	-30,977	35,838	3,051,653	54,395,913	1,830,992	32,637,548	1,000	678
Residential	8	Residential Kits	RKTS	2029	-5,349	7,221	846,367	55,242,280	507,820	33,145,368	100	100
Residential	8	Residential Kits	RKTS	2030	-67	1,870	810,090	56,052,371	486,054	33,631,422	100	100
Residential	8	Residential Kits	RKTS	2031	0	1,805	782,813	56,835,184	469,688	34,101,110	100	100
Residential	8	Residential Kits	RKTS	2032	0	1,805	629,746	57,464,930	377,847	34,478,958	100	100
Residential	8	Residential Kits	RKTS	2033	0	1,805	506,915	57,971,845	304,149	34,783,107	100	76
Residential	8	Residential Kits	RKTS	2034	0	1,805	478,298	58,450,144	286,979	35,070,086	100	67
Residential	8	Residential Kits	RKTS	2035	0	1,805	478,295	58,928,438	286,977	35,357,063	100	67
Residential	8	Residential Kits	RKTS	2036	-197	1,805	461,392	59,389,831	276,835	35,633,898	100	67
Residential	8	Residential Kits	RKTS	2037	-315	1,571	352,812	59,742,642	211,687	35,845,585	95	57
Residential	8	Residential Kits	RKTS	2038	-316	1,197	286,155	60,028,797	171,693	36,017,278	79	48
Residential	8	Residential Kits	RKTS	2039	-132	885	271,110	60,299,907	162,666	36,179,944	76	46
Residential	8	Residential Kits	RKTS	2040	0	845	271,108	60,571,014	162,665	36,342,609	76	46
Residential	8	Residential Kits	RKTS	2041	-398	845	223,275	60,794,289	133,965	36,476,573	73	44
Residential	8	Residential Kits	RKTS	2042	-447	349	48,349	60,842,638	29,010	36,505,583	10	10
Residential	8	Residential Multifamily	RMFP	2021	9	9	17	17	15	15	0	0
Residential	8	Residential Multifamily	RMFP	2022	1,634	1,643	175,309	175,326	157,778	157,793	84	75
Residential	8	Residential Multifamily	RMFP	2023	1,273	2,916	528,373	703,699	475,535	633,329	100	100
Residential	8	Residential Multifamily	RMFP	2024	360	3,276	643,224	1,346,923	578,902	1,212,231	100	100
Residential	8	Residential Multifamily	RMFP	2025	0	3,276	630,151	1,977,074	567,136	1,779,366	141	100
Residential	8	Residential Multifamily	RMFP	2026	0	3,276	628,486	2,605,560	565,638	2,345,004	100	100
Residential	8	Residential Multifamily	RMFP	2027	-310	3,276	530,825	3,136,385	477,743	2,822,747	100	100
Residential	8	Residential Multifamily	RMFP	2028	-78	2,910	346,886	3,483,271	312,197	3,134,944	100	100
Residential	8	Residential Multifamily	RMFP	2029	-109	2,888	334,828	3,818,099	301,345	3,436,289	100	99
Residential	8	Residential Multifamily	RMFP	2030	-256	2,779	324,079	4,142,178	291,671	3,727,960	100	100
Residential	8	Residential Multifamily	RMFP	2031	-1,352	2,335	222,782	4,364,960	200,504	3,928,464	100	99
Residential	8	Residential Multifamily	RMFP	2032	0	1,171	144,458	4,509,418	130,012	4,058,476	31	26
Residential	8	Residential Multifamily	RMFP	2033	0	1,171	144,439	4,653,857	129,995	4,188,471	31	26
Residential	8	Residential Multifamily	RMFP	2034	0	1,171	144,439	4,798,296	129,995	4,318,466	31	26
Residential	8	Residential Multifamily	RMFP	2035	0	1,171	144,438	4,942,734	129,994	4,448,460	31	26
Residential	8	Residential Multifamily	RMFP	2036	-3	1,171	144,427	5,087,161	129,985	4,578,445	31	26
Residential	8	Residential Multifamily	RMFP	2037	-351	1,164	135,101	5,222,262	121,591	4,700,036	29	26
Residential	8	Residential Multifamily	RMFP	2038	-45	817	114,657	5,336,919	103,191	4,803,227	25	10
Residential	8	Residential Multifamily	RMFP	2039	0	772	88,028	5,424,948	79,226	4,882,453	10	10
Residential	8	Residential Multifamily	RMFP	2040	0	772	84,235	5,509,183	75,812	4,958,265	10	10
Residential	8	Residential Multifamily	RMFP	2041	-474	772	56,890	5,566,073	51,201	5,009,466	10	10
Residential	8	Residential Multifamily	RMFP	2042	-298	263	6,127	5,572,200	5,514	5,014,980	3	3
Residential	8	Residential Manufactured Housing	RMHP	2021	3	3	66	66	60	60	0	0
Residential	8	Residential Manufactured Housing	RMHP	2022	3	6	1,043	1,109	938	998	0	0
Residential	8	Residential Manufactured Housing	RMHP	2023	554	560	48,674	49,782	43,806	44,804	10	10
Residential	8	Residential Manufactured Housing	RMHP	2024	103	663	120,035	169,818	108,032	152,836	37	33
Residential	8	Residential Manufactured Housing	RMHP	2025	0	663	120,037	289,854	108,033	260,869	37	33
Residential	8	Residential Manufactured Housing	RMHP	2026	0	663	119,601	409,455	107,641	368,510	37	33
Residential	8	Residential Manufactured Housing	RMHP	2027	0	663	118,518	527,974	106,667	475,176	37	33
Residential	8	Residential Manufactured Housing	RMHP	2028	-537	663	79,157	607,131	71,242	546,418	37	33
Residential	8	Residential Manufactured Housing	RMHP	2029	-108	51	9,403	616,534	8,463	554,881	3	3
Residential	8	Residential Manufactured Housing	RMHP	2030	0	18	8,573	625,108	7,716	562,597	3	3
Residential	8	Residential Manufactured Housing	RMHP	2031	-2	18	8,282	633,389	7,454	570,050	3	3
Residential	8	Residential Manufactured Housing	RMHP	2032	-1	15	8,190	641,579	7,371	577,421	3	2
Residential	8	Residential Manufactured Housing	RMHP	2033	-8	14	2,712	644,291	2,441	579,862	3	2
Residential	8	Residential Manufactured Housing	RMHP	2034	0	7	1,645	645,936	1,480	581,342	1	0
Residential	8	Residential Manufactured Housing	RMHP	2035	0	7	1,645	647,581	1,480	582,823	1	0
Residential	8	Residential Manufactured Housing	RMHP	2036	0	7	1,626	649,207	1,464	584,286	1	0
Residential	8	Residential Manufactured Housing	RMHP	2037	0	7	1,391	650,598	1,252	585,538	1	0
Residential	8	Residential Manufactured Housing	RMHP	2038	0	7	1,350	651,949	1,215	586,753	0	0
Residential	8	Residential Manufactured Housing	RMHP	2039	0	7	1,251	653,200	1,126	587,880	0	0
Residential	8	Residential Manufactured Housing	RMHP	2040	0	7	1,244	654,444	1,119	588,999	0	0
Residential	8	Residential Manufactured Housing	RMHP	2041	-5	7	818	655,261	736	589,735	0	0
Residential	8	Residential Manufactured Housing	RMHP	2042	-2	2	32	655,293	29	589,764	0	0

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Kits	RKTS	2021	1,264	1,264	47,618	47,618	28,571	28,571	10	10
Residential	8	Residential Kits	RKTS	2022	1,453	2,717	236,666	284,284	142,000	170,570	94	56
Residential	8	Residential Kits	RKTS	2023	1,551	4,268	408,886	693,170	245,332	415,902	100	86
Residential	8	Residential Kits	RKTS	2024	179	4,447	522,336	1,215,506	313,401	729,303	100	86
Residential	8	Residential Kits	RKTS	2025	0	4,447	522,339	1,737,845	313,403	1,042,707	100	86
Residential	8	Residential Kits	RKTS	2026	-1,217	4,447	479,479	2,217,324	287,687	1,330,394	100	83
Residential	8	Residential Kits	RKTS	2027	-1,428	3,230	312,167	2,529,491	187,300	1,517,694	99	60
Residential	8	Residential Kits	RKTS	2028	-1,538	1,689	151,968	2,681,459	91,181	1,608,875	55	10
Residential	8	Residential Kits	RKTS	2029	-178	264	40,092	2,721,551	24,055	1,632,931	10	6
Residential	8	Residential Kits	RKTS	2030	-2	86	39,194	2,760,745	23,516	1,656,447	10	6
Residential	8	Residential Kits	RKTS	2031	0	84	37,757	2,798,501	22,654	1,679,101	10	6
Residential	8	Residential Kits	RKTS	2032	0	84	29,585	2,828,086	17,751	1,696,852	8	5
Residential	8	Residential Kits	RKTS	2033	0	84	25,052	2,853,139	15,031	1,711,883	6	4
Residential	8	Residential Kits	RKTS	2034	0	84	23,517	2,876,656	14,110	1,725,993	5	3
Residential	8	Residential Kits	RKTS	2035	0	84	23,517	2,900,173	14,110	1,740,104	5	3
Residential	8	Residential Kits	RKTS	2036	-9	84	22,358	2,922,530	13,415	1,753,518	5	3
Residential	8	Residential Kits	RKTS	2037	-15	75	16,839	2,939,369	10,103	1,763,622	5	3
Residential	8	Residential Kits	RKTS	2038	-8	57	13,993	2,953,363	8,396	1,772,018	4	2
Residential	8	Residential Kits	RKTS	2039	-9	47	13,431	2,966,793	8,058	1,780,076	4	2
Residential	8	Residential Kits	RKTS	2040	0	43	13,430	2,980,224	8,058	1,788,134	4	2
Residential	8	Residential Kits	RKTS	2041	-21	43	10,683	2,990,907	6,410	1,794,544	4	2
Residential	8	Residential Kits	RKTS	2042	-22	21	2,589	2,993,495	1,553	1,796,097	2	1
Residential	8	Residential Multifamily	RMFP	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Multifamily	RMFP	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Manufactured Housing	RMHP	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Kits	RKTS	2021	29,377	29,377	1,008,240	1,008,240	604,944	604,944	960	580
Residential	8	Residential Kits	RKTS	2022	28,243	57,620	5,164,197	6,172,437	3,098,518	3,703,462	1,093	1,055
Residential	8	Residential Kits	RKTS	2023	32,949	90,569	8,758,779	14,931,216	5,255,267	8,958,729	1,099	1,085
Residential	8	Residential Kits	RKTS	2024	5,515	96,084	11,126,694	26,057,910	6,676,017	15,634,746	1,100	1,086
Residential	8	Residential Kits	RKTS	2025	0	96,084	11,126,766	37,184,676	6,676,060	22,310,806	1,100	1,086
Residential	8	Residential Kits	RKTS	2026	-28,478	96,084	10,194,041	47,378,717	6,116,425	28,427,230	1,100	1,082
Residential	8	Residential Kits	RKTS	2027	-27,606	67,606	6,495,034	53,873,751	3,897,020	32,324,251	1,099	1,060
Residential	8	Residential Kits	RKTS	2028	-32,515	37,527	3,203,621	57,077,372	1,922,173	34,246,423	1,055	688
Residential	8	Residential Kits	RKTS	2029	-5,527	7,485	886,459	57,963,831	531,876	34,778,299	110	106
Residential	8	Residential Kits	RKTS	2030	-69	1,956	849,284	58,813,116	509,570	35,287,869	110	106
Residential	8	Residential Kits	RKTS	2031	0	1,889	820,570	59,633,685	492,342	35,780,211	110	106
Residential	8	Residential Kits	RKTS	2032	0	1,889	659,331	60,293,016	395,598	36,175,810	108	105
Residential	8	Residential Kits	RKTS	2033	0	1,889	531,968	60,824,984	319,181	36,494,990	106	80
Residential	8	Residential Kits	RKTS	2034	0	1,889	501,815	61,326,799	301,089	36,796,080	105	70
Residential	8	Residential Kits	RKTS	2035	0	1,889	501,811	61,828,611	301,087	37,097,166	105	70
Residential	8	Residential Kits	RKTS	2036	-206	1,889	483,750	62,312,361	290,250	37,387,417	105	70
Residential	8	Residential Kits	RKTS	2037	-330	1,646	369,651	62,682,012	221,790	37,609,207	100	60
Residential	8	Residential Kits	RKTS	2038	-324	1,254	300,148	62,982,160	180,089	37,789,296	83	50
Residential	8	Residential Kits	RKTS	2039	-141	932	284,540	63,266,700	170,724	37,960,020	80	48
Residential	8	Residential Kits	RKTS	2040	0	888	284,538	63,551,238	170,723	38,130,743	80	48
Residential	8	Residential Kits	RKTS	2041	-419	888	233,956	63,785,196	140,375	38,271,118	77	46
Residential	8	Residential Kits	RKTS	2042	-469	370	50,938	63,836,134	30,563	38,301,680	12	11
Residential	8	Residential Multifamily	RMFP	2021	9	9	17	17	15	15	0	0
Residential	8	Residential Multifamily	RMFP	2022	1,634	1,643	175,309	175,326	157,778	157,793	84	75
Residential	8	Residential Multifamily	RMFP	2023	1,273	2,916	528,373	703,699	475,535	633,329	100	100
Residential	8	Residential Multifamily	RMFP	2024	360	3,276	643,224	1,346,923	578,902	1,212,231	100	100
Residential	8	Residential Multifamily	RMFP	2025	0	3,276	630,151	1,977,074	567,136	1,779,366	141	100
Residential	8	Residential Multifamily	RMFP	2026	0	3,276	628,486	2,605,560	565,638	2,345,004	100	100
Residential	8	Residential Multifamily	RMFP	2027	-310	3,276	530,825	3,136,385	477,743	2,822,747	100	100
Residential	8	Residential Multifamily	RMFP	2028	-78	2,910	346,886	3,483,271	312,197	3,134,944	100	100
Residential	8	Residential Multifamily	RMFP	2029	-109	2,888	334,828	3,818,099	301,345	3,436,289	100	99
Residential	8	Residential Multifamily	RMFP	2030	-256	2,779	324,079	4,142,178	291,671	3,727,960	100	100
Residential	8	Residential Multifamily	RMFP	2031	-1,352	2,335	222,782	4,364,960	200,504	3,928,464	100	99
Residential	8	Residential Multifamily	RMFP	2032	0	1,171	144,458	4,509,418	130,012	4,058,476	31	26
Residential	8	Residential Multifamily	RMFP	2033	0	1,171	144,439	4,653,857	129,995	4,188,471	31	26
Residential	8	Residential Multifamily	RMFP	2034	0	1,171	144,439	4,798,296	129,995	4,318,466	31	26
Residential	8	Residential Multifamily	RMFP	2035	0	1,171	144,438	4,942,734	129,994	4,448,460	31	26
Residential	8	Residential Multifamily	RMFP	2036	-3	1,171	144,427	5,087,161	129,985	4,578,445	31	26
Residential	8	Residential Multifamily	RMFP	2037	-351	1,164	135,101	5,222,262	121,591	4,700,036	29	26
Residential	8	Residential Multifamily	RMFP	2038	-45	817	114,657	5,336,919	103,191	4,803,227	25	10
Residential	8	Residential Multifamily	RMFP	2039	0	772	88,028	5,424,948	79,226	4,882,453	10	10
Residential	8	Residential Multifamily	RMFP	2040	0	772	84,235	5,509,183	75,812	4,958,265	10	10
Residential	8	Residential Multifamily	RMFP	2041	-474	772	56,890	5,566,073	51,201	5,009,466	10	10
Residential	8	Residential Multifamily	RMFP	2042	-298	263	6,127	5,572,200	5,514	5,014,980	3	3
Residential	8	Residential Manufactured Housing	RMHP	2021	3	3	66	66	60	60	0	0
Residential	8	Residential Manufactured Housing	RMHP	2022	3	6	1,043	1,109	938	998	0	0
Residential	8	Residential Manufactured Housing	RMHP	2023	554	560	48,674	49,782	43,806	44,804	10	10
Residential	8	Residential Manufactured Housing	RMHP	2024	103	663	120,035	169,818	108,032	152,836	37	33
Residential	8	Residential Manufactured Housing	RMHP	2025	0	663	120,037	289,854	108,033	260,869	37	33
Residential	8	Residential Manufactured Housing	RMHP	2026	0	663	119,601	409,455	107,641	368,510	37	33
Residential	8	Residential Manufactured Housing	RMHP	2027	0	663	118,518	527,974	106,667	475,176	37	33
Residential	8	Residential Manufactured Housing	RMHP	2028	-537	663	79,157	607,131	71,242	546,418	37	33
Residential	8	Residential Manufactured Housing	RMHP	2029	-108	51	9,403	616,534	8,463	554,881	3	3
Residential	8	Residential Manufactured Housing	RMHP	2030	0	18	8,573	625,108	7,716	562,597	3	3
Residential	8	Residential Manufactured Housing	RMHP	2031	-2	18	8,282	633,389	7,454	570,050	3	3
Residential	8	Residential Manufactured Housing	RMHP	2032	-1	15	8,190	641,579	7,371	577,421	3	2
Residential	8	Residential Manufactured Housing	RMHP	2033	-8	14	2,712	644,291	2,441	579,862	3	2
Residential	8	Residential Manufactured Housing	RMHP	2034	0	7	1,645	645,936	1,480	581,342	1	0
Residential	8	Residential Manufactured Housing	RMHP	2035	0	7	1,645	647,581	1,480	582,823	1	0
Residential	8	Residential Manufactured Housing	RMHP	2036	0	7	1,626	649,207	1,464	584,286	1	0
Residential	8	Residential Manufactured Housing	RMHP	2037	0	7	1,391	650,598	1,252	585,538	1	0
Residential	8	Residential Manufactured Housing	RMHP	2038	0	7	1,350	651,949	1,215	586,753	0	0
Residential	8	Residential Manufactured Housing	RMHP	2039	0	7	1,251	653,200	1,126	587,880	0	0
Residential	8	Residential Manufactured Housing	RMHP	2040	0	7	1,244	654,444	1,119	588,999	0	0
Residential	8	Residential Manufactured Housing	RMHP	2041	-5	7	818	655,261	736	589,735	0	0
Residential	8	Residential Manufactured Housing	RMHP	2042	-2	2	32	655,293	29	589,764	0	0

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	100	100
Residential	8	Residential New Construction	RNCR	2022	2,560	3,578	4,500,958	4,998,045	3,915,833	4,348,299	999	1,000
Residential	8	Residential New Construction	RNCR	2023	2,925	6,503	10,866,317	15,864,362	9,453,696	13,801,995	1,000	1,000
Residential	8	Residential New Construction	RNCR	2024	1,072	7,575	14,430,029	30,294,391	12,554,125	26,356,120	1,000	1,000
Residential	8	Residential New Construction	RNCR	2025	0	7,575	14,430,039	44,724,430	12,554,134	38,910,254	999	1,000
Residential	8	Residential New Construction	RNCR	2026	0	7,575	14,430,046	59,154,475	12,554,140	51,464,394	1,000	1,000
Residential	8	Residential New Construction	RNCR	2027	0	7,575	14,430,053	73,584,529	12,554,146	64,018,540	999	1,000
Residential	8	Residential New Construction	RNCR	2028	0	7,575	14,430,028	88,014,557	12,554,125	76,572,665	1,000	1,000
Residential	8	Residential New Construction	RNCR	2029	0	7,575	14,430,023	102,444,580	12,554,120	89,126,785	999	1,000
Residential	8	Residential New Construction	RNCR	2030	0	7,575	14,430,038	116,874,618	12,554,133	101,680,918	999	1,000
Residential	8	Residential New Construction	RNCR	2031	0	7,575	14,430,039	131,304,657	12,554,134	114,235,052	999	1,000
Residential	8	Residential New Construction	RNCR	2032	0	7,575	14,430,055	145,734,713	12,554,148	126,789,200	1,000	1,000
Residential	8	Residential New Construction	RNCR	2033	0	7,575	14,430,047	160,164,760	12,554,141	139,343,341	999	1,000
Residential	8	Residential New Construction	RNCR	2034	0	7,575	14,430,037	174,594,797	12,554,132	151,897,473	999	1,000
Residential	8	Residential New Construction	RNCR	2035	0	7,575	14,430,023	189,024,820	12,554,120	164,451,593	999	1,000
Residential	8	Residential New Construction	RNCR	2036	0	7,575	14,430,041	203,454,861	12,554,136	177,005,729	1,000	1,000
Residential	8	Residential New Construction	RNCR	2037	0	7,575	14,430,046	217,884,907	12,554,140	189,559,869	1,000	1,000
Residential	8	Residential New Construction	RNCR	2038	0	7,575	14,430,053	232,314,960	12,554,146	202,114,015	999	1,000
Residential	8	Residential New Construction	RNCR	2039	0	7,575	14,430,047	246,745,007	12,554,141	214,668,156	999	1,000
Residential	8	Residential New Construction	RNCR	2040	0	7,575	14,430,023	261,175,030	12,554,120	227,222,276	1,000	1,000
Residential	8	Residential New Construction	RNCR	2041	0	7,575	14,430,038	275,605,069	12,554,133	239,776,410	999	1,000
Residential	8	Residential New Construction	RNCR	2042	0	7,575	14,430,039	290,035,108	12,554,134	252,330,544	999	1,000
Residential	8	Residential New Construction	RNCR	2043	0	7,575	14,430,046	304,465,153	12,554,140	264,884,683	1,000	1,000
Residential	8	Residential New Construction	RNCR	2044	0	7,575	14,430,048	318,895,201	12,554,142	277,438,825	1,000	1,000
Residential	8	Residential New Construction	RNCR	2045	0	7,575	14,430,037	333,325,238	12,554,132	289,992,957	999	1,000
Residential	8	Residential New Construction	RNCR	2046	-1,018	7,575	13,938,027	347,263,265	12,126,083	302,119,041	999	999
Residential	8	Residential New Construction	RNCR	2047	-2,560	6,324	9,941,116	357,204,381	8,648,771	310,767,812	1,000	999
Residential	8	Residential New Construction	RNCR	2048	-2,925	3,690	3,582,161	360,786,542	3,116,480	313,884,291	1,000	999
Residential	8	Residential Smart Thermostat Rewards	RTDR	2020	0	0	0	0	0	0	0	0
Residential	8	Residential Smart Thermostat Rewards	RTDR	2021	38,637	6,329	80,931	80,931	80,931	80,931	6,021	6,021
Residential	8	Residential Smart Thermostat Rewards	RTDR	2022	78,722	7,305	137,331	218,262	137,331	218,262	9,805	9,805
Residential	8	Residential Smart Thermostat Rewards	RTDR	2023	169,989	26,733	232,065	450,327	232,065	450,327	31,629	31,629
Residential	8	Residential Smart Thermostat Rewards	RTDR	2024	27,860	27,860	0	450,327	0	450,327	0	0
Residential	8	Residential WeatherSmart	RTEB	2021	1,467	1,467	114,558	114,558	108,830	108,830	99	100
Residential	8	Residential WeatherSmart	RTEB	2022	1,943	3,410	347,157	461,715	329,799	438,630	100	100
Residential	8	Residential WeatherSmart	RTEB	2023	3,415	6,825	432,956	894,671	411,308	849,938	100	100
Residential	8	Residential WeatherSmart	RTEB	2024	913	7,738	166,727	1,061,399	158,391	1,008,329	100	100
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2021	3,854	3,854	455,830	455,830	364,664	364,664	100	99
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2022	5,695	9,549	1,913,541	2,369,371	1,530,833	1,895,497	999	994
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2023	2,962	12,511	3,276,295	5,645,667	2,621,036	4,516,533	998	1,000
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2024	997	13,508	3,685,679	9,331,346	2,948,543	7,465,077	999	983
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2025	0	13,508	3,685,894	13,017,240	2,948,715	10,413,792	999	999
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2026	0	13,508	3,685,896	16,703,136	2,948,717	13,362,509	999	1,000
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2027	0	13,508	3,686,109	20,389,245	2,948,887	16,311,396	1,000	984
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2028	-1,118	13,508	3,608,320	23,997,565	2,886,656	19,198,052	997	999
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2029	-4,929	12,115	2,675,965	26,673,530	2,140,772	21,338,824	997	1,000
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2030	-5,012	7,035	1,161,802	27,835,332	929,441	22,268,265	999	991
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2031	-1,452	2,198	161,814	27,997,146	129,451	22,397,717	99	100
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2022	4,733	4,733	1,092,772	1,092,772	874,218	874,218	696	556
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2023	5,148	9,881	4,546,257	5,639,029	3,637,005	4,511,223	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2024	0	9,881	7,186,156	12,825,185	5,748,925	10,260,148	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2025	0	9,881	7,186,242	20,011,427	5,748,994	16,009,142	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2026	0	9,881	7,186,244	27,197,671	5,748,995	21,758,137	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2027	-112	9,881	7,167,987	34,365,658	5,734,390	27,492,527	998	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2028	-1,155	9,769	7,016,846	41,382,504	5,613,477	33,106,003	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2029	-387	8,490	6,567,431	47,949,935	5,253,945	38,359,948	999	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2030	0	8,227	6,544,756	54,494,691	5,235,805	43,595,753	1,000	998
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2031	0	8,227	6,544,754	61,039,445	5,235,803	48,831,556	1,000	998
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2032	-64	8,227	6,475,068	67,514,512	5,180,054	54,011,610	1,000	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2033	-455	8,163	6,255,915	73,770,427	5,004,732	59,016,342	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2034	-262	7,708	6,135,738	79,906,165	4,908,590	63,924,932	1,060	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2035	-6	7,444	6,121,465	86,027,630	4,897,172	68,822,104	999	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2036	0	7,440	6,121,424	92,149,054	4,897,139	73,719,243	997	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2037	-104	7,440	6,098,862	98,247,916	4,879,090	78,598,333	999	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2038	-226	7,336	5,994,967	104,242,883	4,795,974	83,394,307	1,000	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2039	0	7,110	5,934,298	110,177,181	4,747,438	88,141,745	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2040	0	7,110	5,934,217	116,111,398	4,747,374	92,889,119	999	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2041	0	7,110	5,934,299	122,045,698	4,747,440	97,636,558	999	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2042	-2,332	7,110	5,735,653	127,781,351	4,588,523	102,225,081	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2043	-25	4,778	5,265,686	133,047,037	4,212,549	106,437,630	1,000	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2044	0	4,753	5,201,560	138,248,597	4,161,248	110,598,877	999	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2045	0	4,753	5,201,493	143,450,090	4,161,194	114,760,072	999	1,000
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2046	0	4,753	5,201,421	148,651,510	4,161,137	118,921,208	1,000	999
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2047	-1,859	4,753	4,425,031	153,076,542	3,540,025	122,461,233	998	997
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2048	-2,894	2,879	2,012,383	155,088,925	1,609,907	124,071,140	1,000	981

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2044	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2045	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2046	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2047	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential New Construction	RNCR	2048	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Smart Thermostat Rewards	RTDR	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	8	Residential Smart Thermostat Rewards	RTDR	2021	405	86	1,095	1,095	1,095	1,095	79	79
Residential	8	Residential Smart Thermostat Rewards	RTDR	2022	1,575	159	2,257	3,352	2,257	3,352	99	99
Residential	8	Residential Smart Thermostat Rewards	RTDR	2023	2,956	415	4,016	7,368	4,016	7,368	516	516
Residential	8	Residential Smart Thermostat Rewards	RTDR	2024	454	454	0	7,368	0	7,368	0	0
Residential	8	Residential WeatherSmart	RTEB	2021	27	27	2,764	2,764	2,625	2,625	4	4
Residential	8	Residential WeatherSmart	RTEB	2022	50	77	10,987	13,751	10,438	13,063	9	8
Residential	8	Residential WeatherSmart	RTEB	2023	120	197	25,003	38,754	23,753	36,816	10	10
Residential	8	Residential WeatherSmart	RTEB	2024	3	218	13,824	52,578	13,132	49,949	10	10
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2021	44	44	3,128	3,128	2,502	2,502	7	6
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2022	215	259	37,910	41,038	30,328	32,830	10	10
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2023	110	369	99,717	140,754	79,773	112,604	10	10
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2024	40	409	116,703	257,458	93,363	205,966	99	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2025	0	409	116,710	374,168	93,368	299,334	99	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2026	0	409	116,710	490,878	93,368	392,702	99	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2027	0	409	116,717	607,594	93,373	486,075	100	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2028	0	409	116,710	724,304	93,368	579,443	99	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2029	-87	407	107,005	831,309	85,604	665,047	99	85
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2030	-243	310	53,273	884,582	42,618	707,666	10	10
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2031	-39	69	4,620	889,202	3,696	711,362	9	8
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2022	26	26	19,705	19,705	15,764	15,764	10	8
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2023	14	40	66,355	86,059	53,084	68,848	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2024	4	44	82,597	168,657	66,078	134,925	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2025	0	44	82,598	251,255	66,079	201,004	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2026	0	44	82,598	333,853	66,079	267,082	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2027	0	44	81,061	414,914	64,849	331,931	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2028	0	44	76,349	491,263	61,079	393,011	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2029	0	44	73,594	564,857	58,875	451,886	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2030	0	44	73,595	638,452	58,876	510,762	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2031	0	44	73,595	712,046	58,876	569,637	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2032	0	44	72,074	784,120	57,659	627,297	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2033	0	44	68,135	852,256	54,508	681,805	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2034	-4	44	67,212	919,468	53,770	735,575	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2035	0	40	67,092	986,560	53,674	789,249	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2036	0	40	67,070	1,053,631	53,656	842,905	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2037	0	40	65,553	1,119,184	52,443	895,348	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2038	0	40	61,431	1,180,615	49,145	944,492	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2039	0	40	59,600	1,240,215	47,680	992,173	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2040	0	40	59,600	1,299,815	47,680	1,039,852	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2041	0	40	59,600	1,359,415	47,680	1,087,533	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2042	-2	40	51,864	1,411,279	41,491	1,129,024	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2043	0	38	40,631	1,451,910	32,505	1,161,528	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2044	0	38	39,149	1,491,060	31,320	1,192,848	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2045	0	38	39,149	1,530,208	31,319	1,224,167	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2046	0	38	39,148	1,569,357	31,319	1,255,486	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2047	-20	38	32,073	1,601,430	25,658	1,281,144	10	10
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2048	-14	17	10,209	1,611,639	8,167	1,289,312	8	6

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	100	100
Residential	8	Residential New Construction	RNCR	2022	2,560	3,578	4,500,958	4,998,045	3,915,833	4,348,299	999	1,000
Residential	8	Residential New Construction	RNCR	2023	2,925	6,503	10,866,317	15,864,362	9,453,696	13,801,995	1,000	1,000
Residential	8	Residential New Construction	RNCR	2024	1,072	7,575	14,430,029	30,294,391	12,554,125	26,356,120	1,000	1,000
Residential	8	Residential New Construction	RNCR	2025	0	7,575	14,430,039	44,724,430	12,554,134	38,910,254	999	1,000
Residential	8	Residential New Construction	RNCR	2026	0	7,575	14,430,046	59,154,475	12,554,140	51,464,394	1,000	1,000
Residential	8	Residential New Construction	RNCR	2027	0	7,575	14,430,053	73,584,529	12,554,146	64,018,540	999	1,000
Residential	8	Residential New Construction	RNCR	2028	0	7,575	14,430,028	88,014,557	12,554,125	76,572,665	1,000	1,000
Residential	8	Residential New Construction	RNCR	2029	0	7,575	14,430,023	102,444,580	12,554,120	89,126,785	999	1,000
Residential	8	Residential New Construction	RNCR	2030	0	7,575	14,430,038	116,874,618	12,554,133	101,680,918	999	1,000
Residential	8	Residential New Construction	RNCR	2031	0	7,575	14,430,039	131,304,657	12,554,134	114,235,052	999	1,000
Residential	8	Residential New Construction	RNCR	2032	0	7,575	14,430,055	145,734,713	12,554,148	126,789,200	1,000	1,000
Residential	8	Residential New Construction	RNCR	2033	0	7,575	14,430,047	160,164,760	12,554,141	139,343,341	999	1,000
Residential	8	Residential New Construction	RNCR	2034	0	7,575	14,430,037	174,594,797	12,554,132	151,897,473	999	1,000
Residential	8	Residential New Construction	RNCR	2035	0	7,575	14,430,023	189,024,820	12,554,120	164,451,593	999	1,000
Residential	8	Residential New Construction	RNCR	2036	0	7,575	14,430,041	203,454,861	12,554,136	177,005,729	1,000	1,000
Residential	8	Residential New Construction	RNCR	2037	0	7,575	14,430,046	217,884,907	12,554,140	189,559,869	1,000	1,000
Residential	8	Residential New Construction	RNCR	2038	0	7,575	14,430,053	232,314,960	12,554,146	202,114,015	999	1,000
Residential	8	Residential New Construction	RNCR	2039	0	7,575	14,430,047	246,745,007	12,554,141	214,668,156	999	1,000
Residential	8	Residential New Construction	RNCR	2040	0	7,575	14,430,023	261,175,030	12,554,120	227,222,276	1,000	1,000
Residential	8	Residential New Construction	RNCR	2041	0	7,575	14,430,038	275,605,069	12,554,133	239,776,410	999	1,000
Residential	8	Residential New Construction	RNCR	2042	0	7,575	14,430,039	290,035,108	12,554,134	252,330,544	999	1,000
Residential	8	Residential New Construction	RNCR	2043	0	7,575	14,430,046	304,465,153	12,554,140	264,884,683	1,000	1,000
Residential	8	Residential New Construction	RNCR	2044	0	7,575	14,430,048	318,895,201	12,554,142	277,438,825	1,000	1,000
Residential	8	Residential New Construction	RNCR	2045	0	7,575	14,430,037	333,325,238	12,554,132	289,992,957	999	1,000
Residential	8	Residential New Construction	RNCR	2046	-1,018	7,575	13,938,027	347,263,265	12,126,083	302,119,041	999	999
Residential	8	Residential New Construction	RNCR	2047	-2,560	6,324	9,941,116	357,204,381	8,648,771	310,767,812	1,000	999
Residential	8	Residential New Construction	RNCR	2048	-2,925	3,690	3,582,161	360,786,542	3,116,480	313,884,291	1,000	999
Residential	8	Residential Smart Thermostat Rewards	RTDR	2020	0	0	0	0	0	0	0	0
Residential	8	Residential Smart Thermostat Rewards	RTDR	2021	39,042	6,415	82,026	82,026	82,026	82,026	6,100	6,100
Residential	8	Residential Smart Thermostat Rewards	RTDR	2022	80,297	7,464	139,588	221,614	139,588	221,614	9,904	9,904
Residential	8	Residential Smart Thermostat Rewards	RTDR	2023	172,945	27,148	236,081	457,695	236,081	457,695	32,144	32,144
Residential	8	Residential Smart Thermostat Rewards	RTDR	2024	28,314	28,314	0	457,695	0	457,695	0	0
Residential	8	Residential WeatherSmart	RTEB	2021	1,494	1,494	117,322	117,322	111,456	111,456	103	104
Residential	8	Residential WeatherSmart	RTEB	2022	1,993	3,487	358,145	475,466	340,237	451,693	109	108
Residential	8	Residential WeatherSmart	RTEB	2023	3,535	7,022	457,959	933,425	435,061	886,754	110	110
Residential	8	Residential WeatherSmart	RTEB	2024	916	7,956	180,551	1,113,976	171,523	1,058,277	110	110
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2021	3,898	3,898	458,958	458,958	367,167	367,167	107	105
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2022	5,910	9,808	1,951,451	2,410,409	1,561,160	1,928,327	1,009	1,004
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2023	3,072	12,880	3,376,012	5,786,421	2,700,810	4,629,137	1,008	1,010
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2024	1,037	13,917	3,802,382	9,588,803	3,041,906	7,671,043	1,098	1,068
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2025	0	13,917	3,802,604	13,391,408	3,042,083	10,713,126	1,098	1,084
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2026	0	13,917	3,802,606	17,194,014	3,042,085	13,755,211	1,099	1,085
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2027	0	13,917	3,802,826	20,996,839	3,042,260	16,797,471	1,099	1,069
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2028	-1,118	13,917	3,725,030	24,721,869	2,980,024	19,777,495	1,096	1,084
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2029	-5,016	12,522	2,782,970	27,504,839	2,226,376	22,003,871	1,097	1,085
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2030	-5,255	7,345	1,215,075	28,719,914	972,060	22,975,931	1,009	1,001
Residential	8	Residential Thermostat Purchase and WeatherSmart	RTEE	2031	-1,491	2,267	166,435	28,886,348	133,148	23,109,079	109	108
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2022	4,759	4,759	1,112,477	1,112,477	889,982	889,982	706	564
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2023	5,162	9,921	4,612,611	5,725,089	3,690,089	4,580,071	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2024	4	9,925	7,268,753	12,993,842	5,815,002	10,395,073	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2025	0	9,925	7,268,840	20,262,682	5,815,072	16,210,145	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2026	0	9,925	7,268,842	27,531,524	5,815,074	22,025,219	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2027	-112	9,925	7,249,048	34,780,572	5,799,239	27,824,458	1,008	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2028	-1,155	9,813	7,093,195	41,873,767	5,674,556	33,499,014	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2029	-387	8,534	6,641,025	48,514,792	5,312,820	38,811,834	1,009	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2030	0	8,271	6,618,351	55,133,143	5,294,680	44,106,515	1,010	1,008
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2031	0	8,271	6,618,348	61,751,491	5,294,679	49,401,193	1,010	1,008
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2032	-64	8,271	6,547,142	68,298,633	5,237,713	54,638,906	1,010	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2033	-455	8,207	6,324,050	74,622,683	5,059,240	59,698,147	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2034	-266	7,752	6,202,950	80,825,633	4,962,360	64,660,507	1,070	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2035	-6	7,484	6,188,557	87,014,191	4,950,846	69,611,353	1,009	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2036	0	7,480	6,188,494	93,202,685	4,950,795	74,562,148	1,007	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2037	-104	7,480	6,164,415	99,367,100	4,931,532	79,493,680	1,009	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2038	-226	7,376	6,056,398	105,423,498	4,845,118	84,338,799	1,010	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2039	0	7,150	5,993,898	111,417,396	4,795,119	89,133,918	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2040	0	7,150	5,993,817	117,411,213	4,795,053	93,928,971	1,009	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2041	0	7,150	5,993,900	123,405,113	4,795,120	98,724,091	1,009	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2042	-2,334	7,150	5,787,517	129,192,630	4,630,014	103,354,105	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2043	-25	4,816	5,306,317	134,498,947	4,245,054	107,599,158	1,010	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2044	0	4,791	5,240,709	139,739,656	4,192,567	111,791,725	1,009	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2045	0	4,791	5,240,642	144,980,298	4,192,514	115,984,239	1,009	1,010
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2046	0	4,791	5,240,569	150,220,867	4,192,455	120,176,694	1,010	1,009
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2047	-1,879	4,791	4,457,104	154,677,972	3,565,683	123,742,378	1,008	1,007
Residential	9	Residential Income and Age Qualifying Energy Efficiency	EAL4	2048	-2,908	2,896	2,022,592	156,700,564	1,618,074	125,360,451	1,008	987

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	9	Income and Age Qualifying Solar Program	EALS	2022	7	7	2,285	2,285	1,828	1,828	10	9
Residential	9	Income and Age Qualifying Solar Program	EALS	2023	130	137	391,971	394,256	313,577	315,405	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2024	56	193	857,428	1,251,684	685,942	1,001,347	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2025	0	193	857,428	2,109,112	685,942	1,687,290	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2026	0	193	857,428	2,966,540	685,943	2,373,232	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2027	0	193	857,428	3,823,969	685,943	3,059,175	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2028	0	193	857,428	4,681,397	685,943	3,745,117	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2029	0	193	857,428	5,538,825	685,942	4,431,060	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2030	0	193	857,428	6,396,253	685,942	5,117,002	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2031	0	193	857,428	7,253,681	685,942	5,802,945	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2032	0	193	857,428	8,111,109	685,943	6,488,887	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2033	0	193	857,428	8,968,537	685,943	7,174,830	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2034	0	193	857,428	9,825,966	685,943	7,860,773	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2035	0	193	857,428	10,683,394	685,942	8,546,715	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2036	0	193	857,428	11,540,821	685,942	9,232,657	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2037	0	193	857,428	12,398,250	685,943	9,918,600	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2038	0	193	857,428	13,255,678	685,943	10,604,543	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2039	0	193	857,428	14,113,106	685,943	11,290,485	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2040	0	193	857,428	14,970,534	685,942	11,976,428	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2041	0	193	857,428	15,827,962	685,942	12,662,370	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2042	0	193	857,428	16,685,390	685,942	13,348,313	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2043	0	193	857,428	17,542,819	685,943	14,034,255	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2044	0	193	857,428	18,400,247	685,943	14,720,198	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2045	0	193	857,428	19,257,675	685,943	15,406,140	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2046	0	193	857,428	20,115,103	685,942	16,092,083	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2047	-7	193	855,197	20,970,300	684,158	16,776,241	99	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2048	-130	184	468,145	21,438,445	374,516	17,150,757	100	100
Residential	9	Residential Smart Home	RSMH	2022	15	15	1,778	1,778	1,511	1,511	1	1
Residential	9	Residential Smart Home	RSMH	2023	47	62	16,161	17,939	13,737	15,248	6	5
Residential	9	Residential Smart Home	RSMH	2024	83	145	30,703	48,642	26,098	41,346	7	6
Residential	9	Residential Smart Home	RSMH	2025	0	145	30,703	79,345	26,098	67,444	7	6
Residential	9	Residential Smart Home	RSMH	2026	0	145	30,703	110,048	26,098	93,541	7	6
Residential	9	Residential Smart Home	RSMH	2027	0	145	29,658	139,706	25,209	118,750	6	5
Residential	9	Residential Smart Home	RSMH	2028	0	145	21,054	160,760	17,896	136,646	5	4
Residential	9	Residential Smart Home	RSMH	2029	-1	145	13,753	174,513	11,690	148,336	4	3
Residential	9	Residential Smart Home	RSMH	2030	0	144	11,802	186,315	10,032	158,368	4	3
Residential	9	Residential Smart Home	RSMH	2031	-76	144	5,124	191,439	4,356	162,724	3	2
Residential	9	Residential Smart Home	RSMH	2032	0	68	1,407	192,846	1,196	163,919	0	0
Residential	9	Residential Smart Home	RSMH	2033	-2	68	326	193,173	277	164,197	0	0
Residential	9	Residential Smart Home	RSMH	2034	-2	66	26	193,198	22	164,219	0	0
Residential	9	Residential Smart Home	RSMH	2035	0	64	26	193,224	22	164,241	0	0
Residential	9	Residential Smart Home	RSMH	2036	0	64	26	193,250	22	164,263	0	0
Residential	9	Residential Smart Home	RSMH	2037	-15	64	24	193,274	20	164,283	0	0
Residential	9	Residential Smart Home	RSMH	2038	-23	46	8	193,282	7	164,290	0	0
Residential	9	Residential Virtual Energy Audit	RVAU	2022	2,149	2,149	600,438	600,438	360,263	360,263	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2023	8,044	10,193	4,284,275	4,884,712	2,570,565	2,930,827	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2024	8,344	18,537	7,932,693	12,817,406	4,759,616	7,690,443	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2025	0	18,537	7,932,728	20,750,134	4,759,637	12,450,080	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2026	0	18,537	7,932,729	28,682,863	4,759,637	17,209,718	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2027	-108	18,537	7,860,857	36,543,720	4,716,514	21,926,232	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2028	-458	18,411	7,359,711	43,903,431	4,415,827	26,342,059	1,000	1,000
Residential	9	Residential Virtual Energy Audit	RVAU	2029	-721	17,620	6,759,705	50,663,136	4,055,823	30,397,882	1,000	999
Residential	9	Residential Virtual Energy Audit	RVAU	2030	-3,973	17,211	5,607,317	56,270,453	3,364,390	33,762,272	1,000	998
Residential	9	Residential Virtual Energy Audit	RVAU	2031	0	13,277	5,005,648	61,276,101	3,003,389	36,765,661	998	967
Residential	9	Residential Virtual Energy Audit	RVAU	2032	0	13,277	4,793,046	66,069,148	2,875,828	39,641,489	999	933
Residential	9	Residential Virtual Energy Audit	RVAU	2033	0	13,277	3,382,376	69,451,523	2,029,425	41,670,914	998	100
Residential	9	Residential Virtual Energy Audit	RVAU	2034	0	13,277	1,987,427	71,438,951	1,192,456	42,863,370	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2035	0	13,277	1,987,412	73,426,363	1,192,447	44,055,818	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2036	0	13,277	1,987,426	75,413,789	1,192,456	45,248,273	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2037	-191	13,277	1,897,836	77,311,625	1,138,701	46,386,975	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2038	-5,225	12,868	1,316,413	78,628,038	789,848	47,176,823	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2039	-6,011	5,089	706,260	79,334,298	423,756	47,600,579	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2040	0	1,850	706,255	80,040,552	423,753	48,024,331	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2041	0	1,850	706,260	80,746,812	423,756	48,448,087	100	100
Residential	9	Residential Virtual Energy Audit	RVAU	2042	-1,850	1,850	374,188	81,121,000	224,513	48,672,600	100	100
Residential	9	Residential Water Savings	RWEE	2022	62	62	13,201	13,201	11,881	11,881	10	10
Residential	9	Residential Water Savings	RWEE	2023	368	430	352,045	365,247	316,841	328,722	100	100
Residential	9	Residential Water Savings	RWEE	2024	135	565	611,311	976,558	550,180	878,902	100	100
Residential	9	Residential Water Savings	RWEE	2025	0	565	611,314	1,587,872	550,183	1,429,085	100	100
Residential	9	Residential Water Savings	RWEE	2026	0	565	611,314	2,199,186	550,183	1,979,268	100	100
Residential	9	Residential Water Savings	RWEE	2027	0	565	611,317	2,810,503	550,185	2,529,453	100	100
Residential	9	Residential Water Savings	RWEE	2028	0	565	611,315	3,421,818	550,183	3,079,636	100	100
Residential	9	Residential Water Savings	RWEE	2029	0	565	611,311	4,033,129	550,180	3,629,816	100	100
Residential	9	Residential Water Savings	RWEE	2030	0	565	611,314	4,644,443	550,182	4,179,998	100	100
Residential	9	Residential Water Savings	RWEE	2031	0	565	611,314	5,255,757	550,183	4,730,181	100	100
Residential	9	Residential Water Savings	RWEE	2032	-20	565	606,140	5,861,897	545,526	5,275,707	100	100
Residential	9	Residential Water Savings	RWEE	2033	-188	544	431,963	6,293,860	388,767	5,664,474	100	100
Residential	9	Residential Water Savings	RWEE	2034	-32	348	288,451	6,582,311	259,606	5,924,080	10	10
Residential	9	Residential Water Savings	RWEE	2035	-42	325	280,680	6,862,991	252,612	6,176,692	10	10
Residential	9	Residential Water Savings	RWEE	2036	-180	271	117,280	6,980,271	105,552	6,282,244	10	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	9	Income and Age Qualifying Solar Program	EALS	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2044	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2045	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2046	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2047	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Income and Age Qualifying Solar Program	EALS	2048	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Residential Smart Home	RSMH	2022	1	1	42	42	36	36	0	0
Residential	9	Residential Smart Home	RSMH	2023	1	2	428	470	364	399	0	0
Residential	9	Residential Smart Home	RSMH	2024	4	6	679	1,149	577	976	0	0
Residential	9	Residential Smart Home	RSMH	2025	0	6	679	1,827	577	1,553	0	0
Residential	9	Residential Smart Home	RSMH	2026	0	6	679	2,506	577	2,130	0	0
Residential	9	Residential Smart Home	RSMH	2027	0	6	643	3,149	546	2,676	0	0
Residential	9	Residential Smart Home	RSMH	2028	0	6	309	3,458	263	2,939	0	0
Residential	9	Residential Smart Home	RSMH	2029	0	6	117	3,575	100	3,039	0	0
Residential	9	Residential Smart Home	RSMH	2030	0	6	117	3,693	100	3,139	0	0
Residential	9	Residential Smart Home	RSMH	2031	-2	6	80	3,772	68	3,207	0	0
Residential	9	Residential Smart Home	RSMH	2032	0	4	42	3,814	35	3,242	0	0
Residential	9	Residential Smart Home	RSMH	2033	0	4	0	3,815	0	3,242	0	0
Residential	9	Residential Smart Home	RSMH	2034	-1	4	0	3,815	0	3,243	0	0
Residential	9	Residential Smart Home	RSMH	2035	0	3	0	3,815	0	3,243	0	0
Residential	9	Residential Smart Home	RSMH	2036	0	3	0	3,816	0	3,243	0	0
Residential	9	Residential Smart Home	RSMH	2037	-1	3	0	3,816	0	3,244	0	0
Residential	9	Residential Smart Home	RSMH	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Residential Virtual Energy Audit	RVAU	2022	39	39	13,115	13,115	7,869	7,869	10	6
Residential	9	Residential Virtual Energy Audit	RVAU	2023	377	416	143,821	156,936	86,293	94,162	99	63
Residential	9	Residential Virtual Energy Audit	RVAU	2024	525	941	396,567	553,503	237,940	332,102	100	64
Residential	9	Residential Virtual Energy Audit	RVAU	2025	0	941	396,569	950,072	237,941	570,043	100	66
Residential	9	Residential Virtual Energy Audit	RVAU	2026	0	941	396,569	1,346,641	237,941	807,985	100	66
Residential	9	Residential Virtual Energy Audit	RVAU	2027	-1	941	395,236	1,741,877	237,142	1,045,126	100	66
Residential	9	Residential Virtual Energy Audit	RVAU	2028	-5	940	380,446	2,122,323	228,267	1,273,394	100	64
Residential	9	Residential Virtual Energy Audit	RVAU	2029	-6	932	349,996	2,472,318	209,997	1,483,391	100	62
Residential	9	Residential Virtual Energy Audit	RVAU	2030	-68	929	300,691	2,773,010	180,415	1,663,806	100	10
Residential	9	Residential Virtual Energy Audit	RVAU	2031	0	861	265,684	3,038,694	159,410	1,823,216	91	10
Residential	9	Residential Virtual Energy Audit	RVAU	2032	0	861	260,507	3,299,201	156,304	1,979,520	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2033	0	861	204,668	3,503,869	122,801	2,102,321	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2034	0	861	90,380	3,594,248	54,228	2,156,549	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2035	0	861	90,379	3,684,627	54,227	2,210,776	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2036	0	861	90,379	3,775,007	54,228	2,265,004	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2037	-1	861	88,145	3,863,152	52,887	2,317,891	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2038	-343	854	62,878	3,926,030	37,727	2,355,618	10	10
Residential	9	Residential Virtual Energy Audit	RVAU	2039	-480	294	12,960	3,938,989	7,776	2,363,394	4	2
Residential	9	Residential Virtual Energy Audit	RVAU	2040	0	37	12,960	3,951,949	7,776	2,371,169	4	2
Residential	9	Residential Virtual Energy Audit	RVAU	2041	0	37	12,960	3,964,908	7,776	2,378,945	4	2
Residential	9	Residential Virtual Energy Audit	RVAU	2042	-37	37	6,675	3,971,583	4,005	2,382,950	4	2
Residential	9	Residential Water Savings	RWEE	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	9	Residential Water Savings	RWEE	2023	11	11	4,886	4,886	4,397	4,397	3	3
Residential	9	Residential Water Savings	RWEE	2024	4	15	14,129	19,015	12,716	17,113	4	3
Residential	9	Residential Water Savings	RWEE	2025	0	15	14,129	33,143	12,716	29,829	4	3
Residential	9	Residential Water Savings	RWEE	2026	0	15	14,129	47,272	12,716	42,545	4	3
Residential	9	Residential Water Savings	RWEE	2027	0	15	14,129	61,401	12,716	55,261	4	3
Residential	9	Residential Water Savings	RWEE	2028	0	15	14,129	75,530	12,716	67,977	4	3
Residential	9	Residential Water Savings	RWEE	2029	0	15	14,129	89,659	12,716	80,693	4	3
Residential	9	Residential Water Savings	RWEE	2030	0	15	14,129	103,788	12,716	93,409	4	3
Residential	9	Residential Water Savings	RWEE	2031	0	15	14,129	117,916	12,716	106,125	4	3
Residential	9	Residential Water Savings	RWEE	2032	0	15	14,129	132,045	12,716	118,841	4	3
Residential	9	Residential Water Savings	RWEE	2033	-7	15	11,111	143,157	10,000	128,841	4	3
Residential	9	Residential Water Savings	RWEE	2034	-1	8	6,607	149,764	5,946	134,787	2	2
Residential	9	Residential Water Savings	RWEE	2035	0	7	6,607	156,370	5,946	140,733	2	2
Residential	9	Residential Water Savings	RWEE	2036	-4	7	4,778	161,148	4,300	145,034	2	2

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions

Total

Program_sector	DSM_Pha	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	9	Income and Age Qualifying Solar Program	EALS	2022	7	7	2,285	2,285	1,828	1,828	10	9
Residential	9	Income and Age Qualifying Solar Program	EALS	2023	130	137	391,971	394,256	313,577	315,405	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2024	56	193	857,428	1,251,684	685,942	1,001,347	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2025	0	193	857,428	2,109,112	685,942	1,687,290	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2026	0	193	857,428	2,966,540	685,943	2,373,232	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2027	0	193	857,428	3,823,969	685,943	3,059,175	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2028	0	193	857,428	4,681,397	685,943	3,745,117	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2029	0	193	857,428	5,538,825	685,942	4,431,060	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2030	0	193	857,428	6,396,253	685,942	5,117,002	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2031	0	193	857,428	7,253,681	685,942	5,802,945	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2032	0	193	857,428	8,111,109	685,943	6,488,887	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2033	0	193	857,428	8,968,537	685,943	7,174,830	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2034	0	193	857,428	9,825,966	685,943	7,860,773	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2035	0	193	857,428	10,683,394	685,942	8,546,715	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2036	0	193	857,428	11,540,821	685,942	9,232,657	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2037	0	193	857,428	12,398,250	685,943	9,918,600	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2038	0	193	857,428	13,255,678	685,943	10,604,543	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2039	0	193	857,428	14,113,106	685,943	11,290,485	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2040	0	193	857,428	14,970,534	685,942	11,976,428	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2041	0	193	857,428	15,827,962	685,942	12,662,370	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2042	0	193	857,428	16,685,390	685,942	13,348,313	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2043	0	193	857,428	17,542,819	685,943	14,034,255	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2044	0	193	857,428	18,400,247	685,943	14,720,198	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2045	0	193	857,428	19,257,675	685,943	15,406,140	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2046	0	193	857,428	20,115,103	685,942	16,092,083	100	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2047	-7	193	855,197	20,970,300	684,158	16,776,241	99	100
Residential	9	Income and Age Qualifying Solar Program	EALS	2048	-130	184	468,145	21,438,445	374,516	17,150,757	100	100
Residential	9	Residential Smart Home	RSMH	2022	16	16	1,820	1,820	1,547	1,547	1	1
Residential	9	Residential Smart Home	RSMH	2023	48	64	16,589	18,409	14,101	15,648	6	5
Residential	9	Residential Smart Home	RSMH	2024	87	151	31,382	49,791	26,675	42,322	7	6
Residential	9	Residential Smart Home	RSMH	2025	0	151	31,382	81,173	26,674	68,997	7	6
Residential	9	Residential Smart Home	RSMH	2026	0	151	31,382	112,554	26,674	95,671	7	6
Residential	9	Residential Smart Home	RSMH	2027	0	151	30,300	142,855	25,755	121,426	7	6
Residential	9	Residential Smart Home	RSMH	2028	0	151	21,363	164,218	18,159	139,585	5	5
Residential	9	Residential Smart Home	RSMH	2029	-1	151	13,871	178,088	11,790	151,375	4	3
Residential	9	Residential Smart Home	RSMH	2030	0	150	11,920	190,008	10,132	161,507	4	3
Residential	9	Residential Smart Home	RSMH	2031	-78	150	5,204	195,212	4,423	165,930	3	2
Residential	9	Residential Smart Home	RSMH	2032	0	72	1,449	196,661	1,231	167,161	0	0
Residential	9	Residential Smart Home	RSMH	2033	-2	72	327	196,987	278	167,439	0	0
Residential	9	Residential Smart Home	RSMH	2034	-3	70	26	197,013	22	167,461	0	0
Residential	9	Residential Smart Home	RSMH	2035	0	67	26	197,040	22	167,484	0	0
Residential	9	Residential Smart Home	RSMH	2036	0	67	26	197,066	22	167,506	0	0
Residential	9	Residential Smart Home	RSMH	2037	-16	67	24	197,090	20	167,527	0	0
Residential	9	Residential Smart Home	RSMH	2038	-23	46	8	193,282	7	164,290	0	0
Residential	9	Residential Virtual Energy Audit	RVAU	2022	2,188	2,188	613,553	613,553	368,132	368,132	110	106
Residential	9	Residential Virtual Energy Audit	RVAU	2023	8,421	10,609	4,428,096	5,041,649	2,656,857	3,024,989	1,099	1,061
Residential	9	Residential Virtual Energy Audit	RVAU	2024	8,869	19,478	8,329,260	13,370,909	4,997,556	8,022,545	1,100	1,062
Residential	9	Residential Virtual Energy Audit	RVAU	2025	0	19,478	8,329,297	21,700,206	4,997,578	13,020,124	1,100	1,064
Residential	9	Residential Virtual Energy Audit	RVAU	2026	0	19,478	8,329,298	30,029,504	4,997,579	18,017,702	1,100	1,064
Residential	9	Residential Virtual Energy Audit	RVAU	2027	-109	19,478	8,256,093	38,285,597	4,953,656	22,971,358	1,099	1,064
Residential	9	Residential Virtual Energy Audit	RVAU	2028	-463	19,351	7,740,157	46,025,754	4,644,094	27,615,452	1,100	1,063
Residential	9	Residential Virtual Energy Audit	RVAU	2029	-727	18,552	7,109,701	53,135,454	4,265,820	31,881,273	1,099	1,061
Residential	9	Residential Virtual Energy Audit	RVAU	2030	-4,041	18,140	5,908,008	59,043,463	3,544,805	35,426,078	1,100	1,008
Residential	9	Residential Virtual Energy Audit	RVAU	2031	0	14,138	5,271,332	64,314,795	3,162,799	38,588,877	1,089	977
Residential	9	Residential Virtual Energy Audit	RVAU	2032	0	14,138	5,053,553	69,368,348	3,032,132	41,621,009	1,009	943
Residential	9	Residential Virtual Energy Audit	RVAU	2033	0	14,138	3,587,044	72,955,392	2,152,226	43,773,235	1,008	110
Residential	9	Residential Virtual Energy Audit	RVAU	2034	0	14,138	2,077,807	75,033,199	1,246,684	45,019,919	110	110
Residential	9	Residential Virtual Energy Audit	RVAU	2035	0	14,138	2,077,791	77,110,990	1,246,675	46,266,594	110	110
Residential	9	Residential Virtual Energy Audit	RVAU	2036	0	14,138	2,077,805	79,188,796	1,246,683	47,513,277	110	110
Residential	9	Residential Virtual Energy Audit	RVAU	2037	-192	14,138	1,985,981	81,174,777	1,191,589	48,704,866	110	110
Residential	9	Residential Virtual Energy Audit	RVAU	2038	-5,568	13,722	1,379,291	82,554,068	827,574	49,532,441	110	110
Residential	9	Residential Virtual Energy Audit	RVAU	2039	-6,491	5,383	719,219	83,273,287	431,532	49,963,972	104	102
Residential	9	Residential Virtual Energy Audit	RVAU	2040	0	1,887	719,214	83,992,501	431,529	50,395,501	104	102
Residential	9	Residential Virtual Energy Audit	RVAU	2041	0	1,887	719,220	84,711,721	431,532	50,827,032	103	102
Residential	9	Residential Virtual Energy Audit	RVAU	2042	-1,887	1,887	380,863	85,092,584	228,518	51,055,550	103	102
Residential	9	Residential Water Savings	RWEE	2022	62	62	13,201	13,201	11,881	11,881	10	10
Residential	9	Residential Water Savings	RWEE	2023	379	441	356,931	370,132	321,238	333,119	103	103
Residential	9	Residential Water Savings	RWEE	2024	139	580	625,440	995,573	562,896	896,015	104	103
Residential	9	Residential Water Savings	RWEE	2025	0	580	625,443	1,621,015	562,899	1,458,914	104	103
Residential	9	Residential Water Savings	RWEE	2026	0	580	625,443	2,246,458	562,899	2,021,813	104	103
Residential	9	Residential Water Savings	RWEE	2027	0	580	625,446	2,871,905	562,901	2,584,714	104	103
Residential	9	Residential Water Savings	RWEE	2028	0	580	625,444	3,497,348	562,899	3,147,613	104	103
Residential	9	Residential Water Savings	RWEE	2029	0	580	625,440	4,122,788	562,896	3,710,509	104	103
Residential	9	Residential Water Savings	RWEE	2030	0	580	625,443	4,748,230	562,898	4,273,407	104	103
Residential	9	Residential Water Savings	RWEE	2031	0	580	625,443	5,373,673	562,899	4,836,306	104	103
Residential	9	Residential Water Savings	RWEE	2032	-20	580	620,269	5,993,942	558,242	5,394,548	104	103
Residential	9	Residential Water Savings	RWEE	2033	-195	559	443,074	6,437,016	398,767	5,793,315	104	103
Residential	9	Residential Water Savings	RWEE	2034	-33	356	295,058	6,732,075	265,552	6,058,867	12	12
Residential	9	Residential Water Savings	RWEE	2035	-42	332	287,287	7,019,361	258,558	6,317,425	12	12
Residential	9	Residential Water Savings	RWEE	2036	-184	278	122,058	7,141,419	109,852	6,427,277	12	12

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	10	Residential Efficient Products Marketplace	REE2	2023	19,118	19,118	1,235,303	1,235,303	472,882	472,882	100	100
Residential	10	Residential Efficient Products Marketplace	REE2	2024	3,187	22,305	2,608,645	3,843,947	996,489	1,469,371	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2025	0	22,305	2,608,641	6,452,588	996,488	2,465,859	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2026	0	22,305	2,608,641	9,061,229	996,488	3,462,347	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2027	0	22,305	2,608,633	11,669,862	996,485	4,458,833	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2028	0	22,305	2,608,638	14,278,501	996,487	5,455,320	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2029	0	22,305	2,608,639	16,887,140	996,487	6,451,807	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2030	0	22,305	2,608,638	19,495,778	996,487	7,448,294	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2031	0	22,305	2,608,641	22,104,419	996,488	8,444,782	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2032	0	22,305	2,608,634	24,713,053	996,486	9,441,268	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2033	0	22,305	2,608,638	27,321,692	996,487	10,437,755	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2034	0	22,305	2,608,638	29,930,330	996,487	11,434,242	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2035	0	22,305	2,608,639	32,538,969	996,487	12,430,730	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2036	0	22,305	2,608,639	35,147,608	996,488	13,427,217	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2037	0	22,305	2,608,641	37,756,249	996,488	14,423,705	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2038	0	22,305	2,608,633	40,364,883	996,485	15,420,191	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2039	-7,714	22,305	2,378,198	42,743,081	909,406	16,329,597	522	100
Residential	10	Residential Efficient Products Marketplace	REE2	2040	-11,404	13,350	515,930	43,259,010	193,491	16,523,088	100	100
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2023	3	3	274	274	271	271	0	0
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2024	0	3	1,661	1,935	1,644	1,915	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2025	0	3	1,661	3,596	1,644	3,560	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2026	0	3	1,661	5,257	1,644	5,204	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2027	0	3	1,661	6,918	1,644	6,848	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2028	0	3	1,661	8,579	1,644	8,493	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2029	0	3	1,661	10,239	1,644	10,137	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2030	0	3	1,661	11,900	1,644	11,781	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2031	0	3	1,661	13,561	1,644	13,426	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2032	0	3	1,661	15,222	1,644	15,070	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2033	0	3	1,661	16,883	1,644	16,714	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2034	0	3	1,661	18,544	1,644	18,359	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2035	0	3	1,661	20,205	1,644	20,003	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2036	0	3	1,661	21,866	1,644	21,647	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2037	0	3	1,661	23,527	1,644	23,292	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2038	0	3	1,661	25,188	1,644	24,936	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2039	0	3	1,661	26,849	1,644	26,581	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2040	0	3	1,661	28,510	1,644	28,225	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2041	0	3	1,661	30,171	1,644	29,869	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2042	0	3	1,661	31,832	1,644	31,514	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2043	-3	3	1,390	33,222	1,376	32,890	1	1
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2010	28	28	381,647	381,647	73,200	73,200	437	99
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2011	59	87	7,878,624	8,260,270	1,928,028	2,001,228	4,195	989
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2012	36	123	22,285,957	30,546,228	5,545,157	7,546,385	9,975	998
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2013	0	123	23,944,518	54,490,746	5,825,377	13,371,762	9,972	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2014	0	123	23,944,517	78,435,263	5,825,377	19,197,139	9,970	1,000
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2015	0	123	23,944,525	102,379,788	5,825,379	25,022,518	9,966	1,000
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2016	0	123	23,944,700	126,324,488	5,825,421	30,847,939	9,971	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2017	0	123	23,944,527	150,269,015	5,825,379	36,673,319	9,975	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2018	0	123	23,944,366	174,213,381	5,825,340	42,498,659	9,971	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2019	0	123	23,944,517	198,157,898	5,825,377	48,324,036	9,972	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2020	0	123	23,944,536	222,102,434	5,825,382	54,149,417	9,964	1,000
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2021	0	123	23,944,696	246,047,131	5,825,421	59,974,838	9,990	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2022	0	123	23,944,512	269,991,643	5,825,376	65,800,214	9,988	998
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2023	0	123	23,944,527	293,936,170	5,825,379	71,625,593	9,975	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2024	0	123	23,944,359	317,880,529	5,825,338	77,450,931	9,970	999
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2025	-28	123	23,568,740	341,449,269	5,753,375	83,204,306	9,970	1,000
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2026	-59	92	16,111,977	357,561,246	3,908,290	87,112,597	5,684	1,000
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2027	-36	30	1,685,531	359,246,776	284,766	87,397,362	996	100

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	10	Residential Efficient Products Marketplace	REE2	2023	542	542	30,114	30,114	11,222	11,222	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2024	75	617	65,245	95,359	24,084	35,305	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2025	0	617	65,245	160,604	24,084	59,389	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2026	0	617	65,245	225,850	24,084	83,472	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2027	0	617	65,245	291,095	24,083	107,556	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2028	0	617	65,245	356,340	24,083	131,639	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2029	0	617	65,245	421,585	24,083	155,723	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2030	0	617	65,245	486,831	24,083	179,806	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2031	0	617	65,245	552,076	24,084	203,890	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2032	0	617	65,245	617,321	24,083	227,973	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2033	0	617	65,245	682,566	24,083	252,057	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2034	0	617	65,245	747,811	24,083	276,140	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2035	0	617	65,245	813,057	24,083	300,224	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2036	0	617	65,245	878,302	24,083	324,307	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2037	0	617	65,245	943,547	24,084	348,391	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2038	0	617	65,245	1,008,792	24,083	372,474	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2039	-241	617	60,237	1,069,030	22,249	394,723	10	5
Residential	10	Residential Efficient Products Marketplace	REE2	2040	-301	360	13,067	1,082,097	4,697	399,420	8	3
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2010	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2011	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2012	4	4	173,061	173,061	49,297	49,297	84	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2013	0	4	388,155	561,216	110,566	159,862	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2014	0	4	388,155	949,370	110,566	270,428	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2015	0	4	388,155	1,337,525	110,566	380,994	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2016	0	4	388,157	1,725,682	110,567	491,561	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2017	0	4	388,155	2,113,837	110,566	602,127	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2018	0	4	388,152	2,501,989	110,565	712,692	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2019	0	4	388,155	2,890,144	110,566	823,257	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2020	0	4	388,155	3,278,299	110,566	933,823	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2021	0	4	388,157	3,666,456	110,567	1,044,390	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2022	0	4	388,154	4,054,610	110,566	1,154,956	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2023	0	4	388,155	4,442,765	110,566	1,265,522	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2024	0	4	388,152	4,830,917	110,565	1,376,087	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2025	0	4	388,155	5,219,072	110,566	1,486,653	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2026	0	4	388,155	5,607,226	110,566	1,597,218	100	10
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2027	-4	2	215,872	5,823,099	61,491	1,658,710	100	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	10	Residential Efficient Products Marketplace	REE2	2023	19,660	19,660	1,265,416	1,265,416	484,104	484,104	110	105
Residential	10	Residential Efficient Products Marketplace	REE2	2024	3,262	22,922	2,673,890	3,939,306	1,020,573	1,504,677	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2025	0	22,922	2,673,886	6,613,192	1,020,571	2,525,248	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2026	0	22,922	2,673,886	9,287,078	1,020,572	3,545,820	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2027	0	22,922	2,673,879	11,960,957	1,020,569	4,566,388	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2028	0	22,922	2,673,884	14,634,841	1,020,571	5,586,959	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2029	0	22,922	2,673,885	17,308,725	1,020,571	6,607,530	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2030	0	22,922	2,673,884	19,982,609	1,020,571	7,628,101	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2031	0	22,922	2,673,886	22,656,495	1,020,571	8,648,672	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2032	0	22,922	2,673,879	25,330,374	1,020,569	9,669,242	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2033	0	22,922	2,673,883	28,004,258	1,020,571	10,689,812	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2034	0	22,922	2,673,884	30,678,141	1,020,571	11,710,383	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2035	0	22,922	2,673,885	33,352,026	1,020,571	12,730,954	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2036	0	22,922	2,673,884	36,025,910	1,020,571	13,751,525	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2037	0	22,922	2,673,886	38,699,797	1,020,572	14,772,096	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2038	0	22,922	2,673,879	41,373,675	1,020,569	15,792,665	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2039	-7,955	22,922	2,438,435	43,812,111	931,654	16,724,319	532	105
Residential	10	Residential Efficient Products Marketplace	REE2	2040	-11,705	13,710	528,997	44,341,107	198,188	16,922,507	108	103
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2023	3	3	274	274	271	271	0	0
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2024	0	3	1,661	1,935	1,644	1,915	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2025	0	3	1,661	3,596	1,644	3,560	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2026	0	3	1,661	5,257	1,644	5,204	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2027	0	3	1,661	6,918	1,644	6,848	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2028	0	3	1,661	8,579	1,644	8,493	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2029	0	3	1,661	10,239	1,644	10,137	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2030	0	3	1,661	11,900	1,644	11,781	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2031	0	3	1,661	13,561	1,644	13,426	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2032	0	3	1,661	15,222	1,644	15,070	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2033	0	3	1,661	16,883	1,644	16,714	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2034	0	3	1,661	18,544	1,644	18,359	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2035	0	3	1,661	20,205	1,644	20,003	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2036	0	3	1,661	21,866	1,644	21,647	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2037	0	3	1,661	23,527	1,644	23,292	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2038	0	3	1,661	25,188	1,644	24,936	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2039	0	3	1,661	26,849	1,644	26,581	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2040	0	3	1,661	28,510	1,644	28,225	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2041	0	3	1,661	30,171	1,644	29,869	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2042	0	3	1,661	31,832	1,644	31,514	1	1
Residential	10	Residential Income and Age Qualifying Home Improvement Enhanced	RIAQ	2043	-3	3	1,390	33,222	1,376	32,890	1	1
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2010	28	28	381,647	381,647	73,200	73,200	437	99
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2011	59	87	7,878,624	8,260,270	1,928,028	2,001,228	4,195	989
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2012	40	127	22,459,019	30,719,289	5,594,453	7,595,681	10,059	1,008
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2013	0	127	24,332,673	55,051,962	5,935,943	13,531,624	10,072	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2014	0	127	24,332,672	79,384,633	5,935,943	19,467,567	10,070	1,010
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2015	0	127	24,332,679	103,717,313	5,935,945	25,403,512	10,066	1,010
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2016	0	127	24,332,857	128,050,170	5,935,988	31,339,500	10,071	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2017	0	127	24,332,682	152,382,852	5,935,945	37,275,445	10,074	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2018	0	127	24,332,518	176,715,370	5,935,905	43,211,350	10,071	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2019	0	127	24,332,671	201,048,042	5,935,943	49,147,293	10,072	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2020	0	127	24,332,691	225,380,733	5,935,947	55,083,241	10,063	1,010
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2021	0	127	24,332,854	249,713,587	5,935,987	61,019,228	10,090	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2022	0	127	24,332,667	274,046,253	5,935,942	66,955,169	10,088	1,008
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2023	0	127	24,332,682	298,378,936	5,935,945	72,891,115	10,074	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2024	0	127	24,332,511	322,711,446	5,935,903	78,827,018	10,070	1,009
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2025	-28	127	23,956,894	346,668,340	5,863,941	84,690,959	10,070	1,010
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2026	-59	96	16,500,132	363,168,472	4,018,856	88,709,815	5,783	1,010
Non-Residential	1	Commercial HVAC Upgrade	CHVAC	2027	-40	32	1,901,403	365,069,875	346,257	89,056,072	1,096	110

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	1	Commercial Lighting	CL	2010	399	399	3,722,995	3,722,995	3,324,215	3,324,215	994	999
Non-Residential	1	Commercial Lighting	CL	2011	1,307	1,706	32,971,266	36,694,262	29,318,385	32,642,600	9,993	9,999
Non-Residential	1	Commercial Lighting	CL	2012	703	2,409	72,218,599	108,912,860	64,208,851	96,851,451	9,944	9,995
Non-Residential	1	Commercial Lighting	CL	2013	0	2,409	79,455,919	188,368,780	70,673,326	167,524,776	9,975	9,998
Non-Residential	1	Commercial Lighting	CL	2014	0	2,409	79,455,822	267,824,601	70,673,238	238,198,015	9,975	9,998
Non-Residential	1	Commercial Lighting	CL	2015	0	2,409	79,455,891	347,280,492	70,673,300	308,871,315	9,975	9,998
Non-Residential	1	Commercial Lighting	CL	2016	0	2,409	79,455,594	426,736,086	70,673,036	379,544,351	9,988	9,916
Non-Residential	1	Commercial Lighting	CL	2017	0	2,409	79,455,835	506,191,921	70,673,251	450,217,601	9,994	9,922
Non-Residential	1	Commercial Lighting	CL	2018	0	2,409	79,456,171	585,648,093	70,673,549	520,891,151	9,974	9,998
Non-Residential	1	Commercial Lighting	CL	2019	0	2,409	79,455,917	665,104,010	70,673,324	591,564,475	9,975	9,998
Non-Residential	1	Commercial Lighting	CL	2020	-399	2,409	75,764,004	740,868,014	67,376,822	658,941,297	9,998	9,997
Non-Residential	1	Commercial Lighting	CL	2021	-1,307	1,959	46,623,718	787,491,733	41,478,531	700,419,828	9,998	10,000
Non-Residential	1	Commercial Lighting	CL	2022	-703	547	7,312,909	794,804,641	6,531,874	706,951,702	1,000	999
Non-Residential	1	Commercial Lighting	CL	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	1	Commercial Lighting	CL	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2012	11	11	5,424	5,424	4,577	4,577	10	10
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2013	357	368	449,891	455,314	379,663	384,240	100	100
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2014	1,700	2,068	11,785,208	12,240,522	9,945,537	10,329,776	8,278	6,986
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2015	1,655	3,723	40,445,673	52,686,195	34,132,104	44,461,880	9,987	9,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2016	640	4,363	64,222,326	116,908,521	54,197,221	98,659,101	9,994	9,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2017	81	4,444	80,739,485	197,648,006	68,136,051	166,795,152	9,997	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2018	0	4,444	81,404,663	279,052,669	68,697,395	235,492,547	9,999	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2019	0	4,444	81,405,821	360,458,490	68,698,372	304,190,920	9,998	10,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2020	0	4,444	81,405,879	441,864,369	68,698,421	372,889,341	9,991	9,994
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2021	0	4,444	81,407,146	523,271,515	68,699,491	441,588,831	9,996	9,999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2022	0	4,444	81,405,823	604,677,338	68,698,374	510,287,205	9,995	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2023	0	4,444	81,405,860	686,083,198	68,698,405	578,985,611	9,990	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2024	0	4,444	81,404,587	767,487,785	68,697,331	647,682,942	9,998	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2025	0	4,444	81,405,850	848,893,636	68,698,397	716,381,339	9,997	10,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2026	0	4,444	81,405,906	930,299,542	68,698,444	785,079,784	9,994	9,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2027	0	4,444	81,407,141	1,011,706,683	68,699,486	853,779,269	9,996	9,999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2028	0	4,444	81,405,891	1,093,112,573	68,698,431	922,477,701	9,997	9,990
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2029	0	4,444	81,404,663	1,174,517,236	68,697,395	991,175,095	9,999	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2030	0	4,444	81,405,826	1,255,923,062	68,698,377	1,059,873,472	9,998	10,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2031	0	4,444	81,405,856	1,337,328,918	68,698,402	1,128,571,874	9,997	10,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2032	0	4,444	81,407,135	1,418,736,053	68,699,481	1,197,271,355	10,000	10,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2033	0	4,444	81,405,823	1,500,141,876	68,698,374	1,265,969,729	9,995	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2034	0	4,444	81,405,862	1,581,547,738	68,698,407	1,334,668,136	9,990	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2035	0	4,444	81,404,663	1,662,952,401	68,697,396	1,403,365,531	9,999	9,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2036	0	4,444	81,405,863	1,744,358,265	68,698,408	1,472,063,939	9,999	9,993
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2037	-11	4,444	81,400,505	1,825,758,769	68,693,886	1,540,757,825	9,994	9,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2038	-356	4,431	80,961,942	1,906,720,712	68,323,783	1,609,081,609	10,000	9,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2039	-1,697	4,056	69,702,247	1,976,422,959	58,821,726	1,667,903,335	9,995	9,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2040	-1,655	2,280	41,036,614	2,017,459,573	34,630,799	1,702,534,134	9,971	9,987
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2041	-641	675	17,296,656	2,034,756,229	14,596,648	1,717,130,782	9,925	9,971
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2042	-84	40	713,395	2,035,469,624	602,034	1,717,732,816	985	998

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	1	Commercial Lighting	CL	2010	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	1	Commercial Lighting	CL	2011	1	1	25,801	25,801	22,834	22,834	93	96
Non-Residential	1	Commercial Lighting	CL	2012	25	26	2,006,712	2,032,513	1,777,135	1,799,969	100	100
Non-Residential	1	Commercial Lighting	CL	2013	0	26	2,197,220	4,229,734	1,946,810	3,746,779	100	100
Non-Residential	1	Commercial Lighting	CL	2014	21	47	2,501,579	6,731,313	2,216,168	5,962,947	785	695
Non-Residential	1	Commercial Lighting	CL	2015	0	47	3,092,875	9,824,188	2,739,464	8,702,411	833	738
Non-Residential	1	Commercial Lighting	CL	2016	0	47	3,092,865	12,917,053	2,739,456	11,441,866	835	739
Non-Residential	1	Commercial Lighting	CL	2017	0	47	3,092,873	16,009,926	2,739,463	14,181,329	835	740
Non-Residential	1	Commercial Lighting	CL	2018	0	47	3,092,885	19,102,812	2,739,473	16,920,802	833	738
Non-Residential	1	Commercial Lighting	CL	2019	0	47	3,092,877	22,195,689	2,739,466	19,660,268	833	738
Non-Residential	1	Commercial Lighting	CL	2020	0	47	3,092,880	25,288,568	2,739,469	22,399,737	833	738
Non-Residential	1	Commercial Lighting	CL	2021	-1	47	3,072,938	28,361,507	2,721,820	25,121,557	837	741
Non-Residential	1	Commercial Lighting	CL	2022	-25	45	1,086,954	29,448,461	963,035	26,084,592	100	100
Non-Residential	1	Commercial Lighting	CL	2023	0	21	895,656	30,344,117	792,655	26,877,247	100	100
Non-Residential	1	Commercial Lighting	CL	2024	-21	21	594,448	30,938,565	526,087	27,403,334	100	100
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2014	60	60	71,583	71,583	60,408	60,408	99	97
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2015	152	212	2,216,234	2,287,817	1,870,280	1,930,688	1,000	994
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2016	33	245	3,208,869	5,496,686	2,707,965	4,638,653	997	1,000
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2017	5	250	3,658,197	9,154,883	3,087,152	7,725,806	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2018	0	250	3,731,046	12,885,929	3,148,629	10,874,435	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2019	0	250	3,731,096	16,617,025	3,148,672	14,023,107	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2020	0	250	3,731,099	20,348,124	3,148,675	17,171,782	999	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2021	0	250	3,731,153	24,079,277	3,148,720	20,320,502	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2022	0	250	3,731,096	27,810,373	3,148,672	23,469,174	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2023	0	250	3,731,098	31,541,471	3,148,674	26,617,848	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2024	0	250	3,731,044	35,272,515	3,148,628	29,766,475	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2025	0	250	3,731,097	39,003,612	3,148,673	32,915,148	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2026	0	250	3,731,099	42,734,711	3,148,675	36,063,823	999	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2027	0	250	3,731,153	46,465,864	3,148,720	39,212,543	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2028	0	250	3,731,099	50,196,963	3,148,674	42,361,217	992	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2029	0	250	3,731,046	53,928,008	3,148,629	45,509,846	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2030	0	250	3,731,097	57,659,105	3,148,672	48,658,519	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2031	0	250	3,731,097	61,390,202	3,148,673	51,807,192	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2032	0	250	3,731,152	65,121,354	3,148,719	54,955,911	1,000	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2033	0	250	3,731,096	68,852,450	3,148,672	58,104,583	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2034	0	250	3,731,098	72,583,549	3,148,674	61,253,257	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2035	0	250	3,731,046	76,314,594	3,148,629	64,401,886	1,000	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2036	0	250	3,731,098	80,045,692	3,148,673	67,550,560	991	998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2037	0	250	3,731,099	83,776,791	3,148,675	70,699,234	999	997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2038	0	250	3,731,153	87,507,944	3,148,720	73,847,954	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2039	-60	250	3,660,550	91,168,494	3,089,138	76,937,092	993	999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2040	-152	178	1,524,068	92,692,562	1,286,161	78,223,253	950	892
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2041	-33	38	525,193	93,217,756	443,211	78,666,464	100	100
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2042	-5	2	73,488	93,291,244	62,016	78,728,481	98	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	1	Commercial Lighting	CL	2010	399	399	3,722,995	3,722,995	3,324,215	3,324,215	994	999
Non-Residential	1	Commercial Lighting	CL	2011	1,308	1,707	32,997,067	36,720,063	29,341,219	32,665,434	10,086	10,095
Non-Residential	1	Commercial Lighting	CL	2012	728	2,435	74,225,311	110,945,374	65,985,986	98,651,420	10,044	10,095
Non-Residential	1	Commercial Lighting	CL	2013	0	2,435	81,653,140	192,598,513	72,620,135	171,271,555	10,075	10,098
Non-Residential	1	Commercial Lighting	CL	2014	21	2,456	81,957,401	274,555,914	72,889,406	244,160,961	10,760	10,693
Non-Residential	1	Commercial Lighting	CL	2015	0	2,456	82,548,766	357,104,680	73,412,764	317,573,725	10,809	10,736
Non-Residential	1	Commercial Lighting	CL	2016	0	2,456	82,548,459	439,653,139	73,412,492	390,986,217	10,822	10,656
Non-Residential	1	Commercial Lighting	CL	2017	0	2,456	82,548,709	522,201,848	73,412,714	464,398,931	10,829	10,662
Non-Residential	1	Commercial Lighting	CL	2018	0	2,456	82,549,056	604,750,904	73,413,023	537,811,953	10,808	10,736
Non-Residential	1	Commercial Lighting	CL	2019	0	2,456	82,548,794	687,299,699	73,412,790	611,224,743	10,808	10,736
Non-Residential	1	Commercial Lighting	CL	2020	-399	2,456	78,856,884	766,156,583	70,116,291	681,341,034	10,830	10,735
Non-Residential	1	Commercial Lighting	CL	2021	-1,308	2,006	49,696,657	815,853,239	44,200,351	725,541,385	10,835	10,741
Non-Residential	1	Commercial Lighting	CL	2022	-728	592	8,399,863	824,253,102	7,494,909	733,036,294	1,100	1,099
Non-Residential	1	Commercial Lighting	CL	2023	0	21	895,656	30,344,117	792,655	26,877,247	100	100
Non-Residential	1	Commercial Lighting	CL	2024	-21	21	594,448	30,938,565	526,087	27,403,334	100	100
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2012	11	11	5,424	5,424	4,577	4,577	10	10
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2013	357	368	449,891	455,314	379,663	384,240	100	100
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2014	1,760	2,128	11,856,790	12,312,104	10,005,945	10,390,185	8,376	7,083
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2015	1,807	3,935	42,661,907	54,974,012	36,002,384	46,392,569	10,987	10,990
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2016	673	4,608	67,431,195	122,405,207	56,905,186	103,297,754	10,991	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2017	86	4,694	84,397,682	206,802,889	71,223,204	174,520,958	10,988	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2018	0	4,694	85,135,708	291,938,597	71,846,024	246,366,982	10,999	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2019	0	4,694	85,136,918	377,075,515	71,847,045	318,214,027	10,989	10,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2020	0	4,694	85,136,978	462,212,493	71,847,096	390,061,123	10,991	10,990
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2021	0	4,694	85,138,299	547,350,792	71,848,211	461,909,333	10,989	10,999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2022	0	4,694	85,136,919	632,487,711	71,847,046	533,756,379	10,988	10,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2023	0	4,694	85,136,958	717,624,669	71,847,079	605,603,458	10,981	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2024	0	4,694	85,135,631	802,760,300	71,845,959	677,449,417	10,998	10,995
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2025	0	4,694	85,136,947	887,897,248	71,847,070	749,296,487	10,997	10,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2026	0	4,694	85,137,006	973,034,253	71,847,119	821,143,606	10,993	10,993
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2027	0	4,694	85,138,293	1,058,172,547	71,848,206	892,991,812	10,989	10,999
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2028	0	4,694	85,136,989	1,143,309,536	71,847,105	964,838,917	10,988	10,989
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2029	0	4,694	85,135,708	1,228,445,244	71,846,024	1,036,684,941	10,999	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2030	0	4,694	85,136,923	1,313,582,167	71,847,049	1,108,531,990	10,989	10,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2031	0	4,694	85,136,953	1,398,719,120	71,847,075	1,180,379,065	10,997	10,997
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2032	0	4,694	85,138,287	1,483,857,407	71,848,201	1,252,227,266	11,000	10,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2033	0	4,694	85,136,919	1,568,994,326	71,847,046	1,324,074,312	10,988	10,998
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2034	0	4,694	85,136,960	1,654,131,286	71,847,081	1,395,921,392	10,981	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2035	0	4,694	85,135,709	1,739,266,995	71,846,025	1,467,767,417	10,999	10,996
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2036	0	4,694	85,136,961	1,824,403,957	71,847,082	1,539,614,499	10,990	10,991
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2037	-11	4,694	85,131,604	1,909,535,561	71,842,560	1,611,457,060	10,993	10,993
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2038	-356	4,681	84,693,095	1,994,228,656	71,472,503	1,682,929,563	10,993	10,995
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2039	-1,757	4,306	73,362,797	2,067,591,453	61,910,864	1,744,840,427	10,988	10,995
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2040	-1,807	2,458	42,560,683	2,110,152,136	35,916,960	1,780,757,387	10,921	10,879
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2041	-674	713	17,821,849	2,127,973,985	15,039,858	1,795,797,246	10,025	10,071
Non-Residential	2	Non-Residential Duct Testing and Sealing	CDUC	2042	-89	42	786,883	2,128,760,868	664,051	1,796,461,296	1,083	1,097

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Distributed Generation	DG	2012	0	19	0	0	0	0	0	0
Non-Residential	2	Non-Residential Distributed Generation	DG	2013	0	19	432,092	432,092	432,092	432,092	15,068	15,068
Non-Residential	2	Non-Residential Distributed Generation	DG	2014	0	19	1,100,014	1,532,106	1,100,014	1,532,106	15,283	15,283
Non-Residential	2	Non-Residential Distributed Generation	DG	2015	0	6	611,171	2,143,276	611,171	2,143,276	7,098	7,098
Non-Residential	2	Non-Residential Distributed Generation	DG	2016	0	7	657,334	2,800,611	657,334	2,800,611	8,148	8,148
Non-Residential	2	Non-Residential Distributed Generation	DG	2017	0	6	526,655	3,327,266	526,655	3,327,266	7,120	7,120
Non-Residential	2	Non-Residential Distributed Generation	DG	2018	0	6	519,138	3,846,403	519,138	3,846,403	7,090	7,090
Non-Residential	2	Non-Residential Distributed Generation	DG	2019	0	6	490,355	4,336,759	490,355	4,336,759	7,515	7,515
Non-Residential	2	Non-Residential Distributed Generation	DG	2020	0	6	484,549	4,821,308	484,549	4,821,308	7,284	7,284
Non-Residential	2	Non-Residential Distributed Generation	DG	2021	0	6	340,973	5,162,281	340,973	5,162,281	7,095	7,095
Non-Residential	2	Non-Residential Distributed Generation	DG	2022	0	6	310,421	5,472,702	310,421	5,472,702	6,510	6,510
Non-Residential	2	Non-Residential Distributed Generation	DG	2023	0	6	298,369	5,771,071	298,369	5,771,071	6,607	6,607
Non-Residential	2	Non-Residential Distributed Generation	DG	2024	0	6	0	5,771,071	0	5,771,071	0	0
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	833,281	834,729	655,333	656,744	844	683
Non-Residential	2	Non-Residential Energy Audit	EACI	2014	1,116	1,419	16,964,082	17,798,810	14,564,802	15,221,546	4,566	4,125
Non-Residential	2	Non-Residential Energy Audit	EACI	2015	73	1,492	36,718,639	54,517,449	33,071,000	48,292,546	6,056	5,457
Non-Residential	2	Non-Residential Energy Audit	EACI	2016	125	1,617	38,854,851	93,372,300	35,046,625	83,339,171	6,484	5,851
Non-Residential	2	Non-Residential Energy Audit	EACI	2017	15	1,632	43,736,425	137,108,725	39,550,510	122,889,681	7,163	6,478
Non-Residential	2	Non-Residential Energy Audit	EACI	2018	0	1,632	43,751,078	180,859,803	39,562,825	162,452,506	7,161	6,476
Non-Residential	2	Non-Residential Energy Audit	EACI	2019	0	1,632	43,749,807	224,609,610	39,561,573	202,014,078	7,161	6,476
Non-Residential	2	Non-Residential Energy Audit	EACI	2020	-205	1,632	42,932,350	267,541,961	38,918,415	240,932,493	7,109	6,430
Non-Residential	2	Non-Residential Energy Audit	EACI	2021	-924	1,393	26,873,579	294,415,539	25,078,100	266,010,593	4,497	4,161
Non-Residential	2	Non-Residential Energy Audit	EACI	2022	-78	483	7,034,135	301,449,674	6,493,461	272,504,054	999	998
Non-Residential	2	Non-Residential Energy Audit	EACI	2023	-406	419	4,915,674	306,365,348	4,534,146	277,038,200	980	904
Non-Residential	2	Non-Residential Energy Audit	EACI	2024	-19	2	15,396	306,380,745	12,934	277,051,134	10	10
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2014	6	6	100,564	100,564	70,395	70,395	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2015	114	120	6,594,654	6,695,217	4,616,258	4,686,652	1,000	1,000
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2016	89	209	18,415,362	25,110,579	12,890,753	17,577,406	8,705	3,943
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2017	103	312	29,538,703	54,649,282	20,677,092	38,254,498	9,999	8,776
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2018	77	389	37,503,514	92,152,796	26,252,460	64,506,957	9,991	9,960
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2019	17	406	45,990,624	138,143,420	32,193,437	96,700,394	9,980	9,984
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2020	0	406	46,907,966	185,051,387	32,835,576	129,535,971	9,971	9,975
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2021	0	406	46,909,904	231,961,291	32,836,933	162,372,904	9,996	9,969
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2022	0	406	46,907,888	278,869,178	32,835,521	195,208,425	9,995	9,968
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2023	0	406	46,907,934	325,777,112	32,835,554	228,043,979	9,990	9,993
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2024	0	406	46,905,991	372,683,103	32,834,193	260,878,172	9,977	9,980
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2025	0	406	46,907,927	419,591,030	32,835,549	293,713,721	9,976	9,980
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2026	0	406	46,907,925	466,498,955	32,835,547	326,549,269	9,976	9,983
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2027	0	406	46,909,901	513,408,856	32,836,931	359,386,199	9,996	9,969
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2028	0	406	46,907,917	560,316,773	32,835,542	392,221,741	9,997	9,961
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2029	-6	406	46,807,950	607,124,723	32,765,565	424,987,306	9,980	9,986
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2030	-105	400	40,346,319	647,471,042	28,242,423	453,229,730	9,990	9,945
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2031	-88	287	28,550,653	676,021,695	19,985,457	473,215,187	9,921	9,966
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2032	-108	201	17,384,883	693,406,578	12,169,418	485,384,605	9,973	1,000
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2033	-78	99	9,409,708	702,816,286	6,586,796	491,971,400	9,730	1,000
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2034	-21	14	923,035	703,739,321	646,124	492,617,525	998	999
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2014	118	118	442,749	442,749	309,924	309,924	924	99
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2015	1,241	1,359	28,191,199	28,633,948	19,733,839	20,043,763	9,971	8,558
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2016	1,203	2,562	86,773,166	115,407,114	60,741,216	80,784,980	9,995	9,994
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2017	868	3,430	156,522,669	271,929,783	109,565,868	190,350,848	42,407	9,996
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2018	649	4,079	211,378,182	483,307,965	147,964,728	338,315,576	52,273	9,995
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2019	422	4,501	274,918,400	758,226,365	192,442,880	530,758,455	62,320	43,624
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2020	0	4,501	279,625,960	1,037,852,325	195,738,172	726,496,627	62,298	43,608
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2021	0	4,501	279,625,415	1,317,477,740	195,737,790	922,234,418	62,516	43,761
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2022	0	4,501	279,625,367	1,597,103,107	195,737,757	1,117,972,175	62,516	43,761
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2023	0	4,501	279,625,412	1,876,728,519	195,737,788	1,313,709,963	62,424	43,697
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2024	-10	4,501	279,624,704	2,156,353,223	195,737,293	1,509,447,256	62,292	43,605
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2025	-1,107	4,442	260,059,736	2,416,412,960	182,041,816	1,691,489,072	61,178	42,825
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2026	-1,137	3,325	203,897,140	2,620,310,100	142,727,998	1,834,217,070	49,977	10,000
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2027	-977	2,150	135,184,181	2,755,494,281	94,628,927	1,928,845,996	10,000	9,986
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2028	-668	1,214	75,600,828	2,831,095,108	52,920,579	1,981,766,576	9,997	9,989
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2029	-602	544	12,764,806	2,843,859,914	8,935,364	1,990,701,940	9,981	7,937
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Distributed Generation	DG	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2015	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2016	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2017	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2018	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2019	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Distributed Generation	DG	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Energy Audit	EACI	2012	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Energy Audit	EACI	2013	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	2	Non-Residential Energy Audit	EACI	2014	16	16	64,704	64,704	64,091	64,091	57	56
Non-Residential	2	Non-Residential Energy Audit	EACI	2015	78	94	594,299	659,003	558,945	623,036	100	99
Non-Residential	2	Non-Residential Energy Audit	EACI	2016	12	106	756,742	1,415,744	678,891	1,301,927	100	100
Non-Residential	2	Non-Residential Energy Audit	EACI	2017	2	108	1,660,191	3,075,935	1,427,313	2,729,240	787	631
Non-Residential	2	Non-Residential Energy Audit	EACI	2018	0	108	1,817,686	4,893,621	1,551,227	4,280,467	906	725
Non-Residential	2	Non-Residential Energy Audit	EACI	2019	0	108	1,817,757	6,711,378	1,551,282	5,831,750	906	725
Non-Residential	2	Non-Residential Energy Audit	EACI	2020	0	108	1,817,758	8,529,135	1,551,283	7,383,033	894	715
Non-Residential	2	Non-Residential Energy Audit	EACI	2021	0	108	1,754,427	10,283,563	1,488,538	8,871,571	909	727
Non-Residential	2	Non-Residential Energy Audit	EACI	2022	-76	108	1,224,176	11,507,738	992,827	9,864,399	100	100
Non-Residential	2	Non-Residential Energy Audit	EACI	2023	-17	32	1,061,730	12,569,468	873,065	10,737,464	100	100
Non-Residential	2	Non-Residential Energy Audit	EACI	2024	-15	7	162,889	12,732,357	128,158	10,865,622	99	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2015	3	3	66,074	66,074	46,252	46,252	10	10
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2016	6	9	270,371	336,444	189,259	235,511	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2017	3	12	422,497	758,941	295,748	531,259	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2018	3	15	601,941	1,360,881	421,358	952,617	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2019	1	16	733,297	2,094,179	513,308	1,465,925	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2020	0	16	772,490	2,866,668	540,743	2,006,668	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2021	0	16	772,526	3,639,194	540,768	2,547,436	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2022	0	16	772,488	4,411,683	540,742	3,088,178	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2023	0	16	772,489	5,184,172	540,742	3,628,920	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2024	0	16	772,453	5,956,625	540,717	4,169,637	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2025	0	16	772,489	6,729,114	540,742	4,710,380	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2026	0	16	772,489	7,501,603	540,742	5,251,122	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2027	0	16	772,526	8,274,129	540,768	5,791,890	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2028	0	16	772,489	9,046,618	540,742	6,332,632	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2029	0	16	772,453	9,819,071	540,717	6,873,350	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2030	-3	16	706,692	10,525,763	494,684	7,368,034	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2031	-4	13	503,531	11,029,294	352,471	7,720,505	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2032	-3	9	350,143	11,379,436	245,100	7,965,605	99	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2033	-3	6	170,568	11,550,005	119,398	8,085,003	99	99
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2034	-3	3	39,376	11,589,380	27,563	8,112,566	10	10
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2015	13	13	138,378	138,378	96,864	96,864	100	87
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2016	43	56	2,154,243	2,292,621	1,507,970	1,604,835	858	601
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2017	23	79	4,861,411	7,154,033	3,402,988	5,007,823	999	876
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2018	43	122	6,926,614	14,080,647	4,848,630	9,856,453	992	1,000
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2019	62	184	12,803,401	26,884,048	8,962,381	18,818,833	999	996
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2020	17	201	14,352,792	41,236,840	10,046,955	28,865,788	1,000	997
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2021	0	201	14,439,892	55,676,732	10,107,924	38,973,712	996	999
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2022	0	201	14,439,890	70,116,622	10,107,923	49,081,635	996	999
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2023	0	201	14,439,892	84,556,513	10,107,924	59,189,559	999	999
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2024	0	201	14,439,972	98,996,486	10,107,980	69,297,540	1,000	997
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2025	-10	201	14,393,231	113,389,716	10,075,262	79,372,801	1,000	1,000
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2026	-38	190	12,816,873	126,206,590	8,971,811	88,344,613	999	998
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2027	-26	151	9,918,476	136,125,065	6,942,933	95,287,546	997	997
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2028	-41	126	8,005,727	144,130,792	5,604,009	100,891,554	998	1,000
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2029	-56	86	2,538,412	146,669,204	1,776,889	102,668,443	990	953
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2030	-30	20	199,729	146,868,933	139,811	102,808,253	99	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Distributed Generation	DG	2012	0	19	0	0	0	0	0	0
Non-Residential	2	Non-Residential Distributed Generation	DG	2013	0	19	432,092	432,092	432,092	432,092	15,068	15,068
Non-Residential	2	Non-Residential Distributed Generation	DG	2014	0	19	1,100,014	1,532,106	1,100,014	1,532,106	15,283	15,283
Non-Residential	2	Non-Residential Distributed Generation	DG	2015	0	6	611,171	2,143,276	611,171	2,143,276	7,098	7,098
Non-Residential	2	Non-Residential Distributed Generation	DG	2016	0	7	657,334	2,800,611	657,334	2,800,611	8,148	8,148
Non-Residential	2	Non-Residential Distributed Generation	DG	2017	0	6	526,655	3,327,266	526,655	3,327,266	7,120	7,120
Non-Residential	2	Non-Residential Distributed Generation	DG	2018	0	6	519,138	3,846,403	519,138	3,846,403	7,090	7,090
Non-Residential	2	Non-Residential Distributed Generation	DG	2019	0	6	490,355	4,336,759	490,355	4,336,759	7,515	7,515
Non-Residential	2	Non-Residential Distributed Generation	DG	2020	0	6	484,549	4,821,308	484,549	4,821,308	7,284	7,284
Non-Residential	2	Non-Residential Distributed Generation	DG	2021	0	6	340,973	5,162,281	340,973	5,162,281	7,095	7,095
Non-Residential	2	Non-Residential Distributed Generation	DG	2022	0	6	310,421	5,472,702	310,421	5,472,702	6,510	6,510
Non-Residential	2	Non-Residential Distributed Generation	DG	2023	0	6	298,369	5,771,071	298,369	5,771,071	6,607	6,607
Non-Residential	2	Non-Residential Distributed Generation	DG	2024	0	6	0	5,771,071	0	5,771,071	0	0
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	833,281	834,729	655,333	656,744	844	683
Non-Residential	2	Non-Residential Energy Audit	EACI	2014	1,132	1,435	17,028,785	17,863,514	14,628,893	15,285,637	4,623	4,181
Non-Residential	2	Non-Residential Energy Audit	EACI	2015	151	1,586	37,312,938	55,176,452	33,629,944	48,915,581	6,156	5,556
Non-Residential	2	Non-Residential Energy Audit	EACI	2016	137	1,723	39,611,592	94,788,044	35,725,517	84,641,098	6,584	5,950
Non-Residential	2	Non-Residential Energy Audit	EACI	2017	17	1,740	45,396,615	140,184,660	40,977,823	125,618,921	7,950	7,109
Non-Residential	2	Non-Residential Energy Audit	EACI	2018	0	1,740	45,568,764	185,753,424	41,114,052	166,732,973	8,067	7,201
Non-Residential	2	Non-Residential Energy Audit	EACI	2019	0	1,740	45,567,564	231,320,988	41,112,855	207,845,828	8,067	7,201
Non-Residential	2	Non-Residential Energy Audit	EACI	2020	-205	1,740	44,750,108	276,071,096	40,469,698	248,315,526	8,003	7,145
Non-Residential	2	Non-Residential Energy Audit	EACI	2021	-924	1,501	28,628,006	304,699,102	26,566,639	274,882,165	5,407	4,889
Non-Residential	2	Non-Residential Energy Audit	EACI	2022	-154	591	8,258,310	312,957,413	7,486,288	282,368,453	1,099	1,098
Non-Residential	2	Non-Residential Energy Audit	EACI	2023	-423	451	5,977,404	318,934,816	5,407,211	287,775,664	1,080	1,003
Non-Residential	2	Non-Residential Energy Audit	EACI	2024	-34	9	178,286	319,113,102	141,092	287,916,755	109	110
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2014	6	6	100,564	100,564	70,395	70,395	100	100
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2015	117	123	6,660,727	6,761,291	4,662,509	4,732,904	1,010	1,010
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2016	95	218	18,685,733	25,447,024	13,080,013	17,812,916	8,804	4,043
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2017	106	324	29,961,200	55,408,223	20,972,840	38,785,756	10,099	8,876
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2018	80	404	38,105,455	93,513,678	26,673,818	65,459,574	10,091	10,059
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2019	18	422	46,723,921	140,237,599	32,706,745	98,166,319	10,080	10,084
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2020	0	422	47,680,456	187,918,055	33,376,319	131,542,638	10,071	10,075
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2021	0	422	47,682,430	235,600,485	33,377,701	164,920,340	10,096	10,069
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2022	0	422	47,680,376	283,280,861	33,376,263	198,296,603	10,095	10,068
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2023	0	422	47,680,423	330,961,284	33,376,296	231,672,899	10,090	10,093
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2024	0	422	47,678,444	378,639,728	33,374,911	265,047,810	10,077	10,080
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2025	0	422	47,680,416	426,320,144	33,376,291	298,424,101	10,076	10,080
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2026	0	422	47,680,414	474,000,558	33,376,290	331,800,391	10,076	10,082
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2027	0	422	47,682,427	521,682,985	33,377,699	365,178,089	10,096	10,069
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2028	0	422	47,680,406	569,363,391	33,376,284	398,554,374	10,097	10,061
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2029	-6	422	47,580,403	616,943,794	33,306,282	431,860,656	10,080	10,086
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2030	-108	416	41,053,011	657,996,805	28,737,108	460,597,764	10,090	10,045
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2031	-92	300	29,054,183	687,050,989	20,337,928	480,935,692	10,021	10,066
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2032	-111	210	17,735,025	704,786,014	12,414,518	493,350,210	10,072	1,099
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2033	-81	105	9,580,276	714,366,291	6,706,194	500,056,404	9,829	1,098
Non-Residential	3	Non-Residential Heating and Cooling Efficiency	CHV2	2034	-24	17	962,411	715,328,701	673,687	500,730,091	1,008	1,009
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2014	118	118	442,749	442,749	309,924	309,924	924	99
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2015	1,254	1,372	28,329,577	28,772,325	19,830,704	20,140,628	10,071	8,645
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2016	1,246	2,618	88,927,410	117,699,735	62,249,187	82,389,815	10,853	10,595
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2017	891	3,509	161,384,081	279,083,816	112,968,856	195,358,671	43,406	10,872
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2018	692	4,201	218,304,796	497,388,612	152,813,357	348,172,028	53,265	10,995
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2019	484	4,685	287,721,801	785,110,413	201,405,261	549,577,289	63,320	44,620
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2020	17	4,702	293,978,752	1,079,089,165	205,785,127	755,362,415	63,298	44,606
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2021	0	4,702	294,065,307	1,373,154,472	205,845,715	961,208,130	63,512	44,760
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2022	0	4,702	294,065,257	1,667,219,728	205,845,680	1,167,053,810	63,512	44,760
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2023	0	4,702	294,065,304	1,961,285,032	205,845,713	1,372,899,523	63,423	44,696
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2024	-10	4,702	294,064,677	2,255,349,709	205,845,274	1,578,744,796	63,292	44,602
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2025	-1,117	4,643	274,452,967	2,529,802,676	192,117,077	1,770,861,873	62,178	43,825
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2026	-1,175	3,515	216,714,013	2,746,516,689	151,699,809	1,922,561,683	50,976	10,998
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2027	-1,003	2,301	145,102,656	2,891,619,346	101,571,859	2,024,133,542	10,997	10,983
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2028	-709	1,340	83,606,554	2,975,225,900	58,524,588	2,082,658,130	10,995	10,989
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2029	-658	630	15,303,219	2,990,529,118	10,712,253	2,093,370,383	10,971	8,890
Non-Residential	3	Non-Residential Lighting Systems & Controls	CLT2	2030	-30	20	199,729	146,868,933	139,811	102,808,253	99	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Window Film	CSWF	2014	3	3	482	482	386	386	4	3
Non-Residential	3	Non-Residential Window Film	CSWF	2015	22	25	4,189,931	4,190,414	3,351,945	3,352,331	992	970
Non-Residential	3	Non-Residential Window Film	CSWF	2016	70	95	4,499,840	8,690,254	3,599,872	6,952,203	986	969
Non-Residential	3	Non-Residential Window Film	CSWF	2017	59	154	5,486,706	14,176,960	4,389,365	11,341,568	996	1,000
Non-Residential	3	Non-Residential Window Film	CSWF	2018	91	245	6,526,387	20,703,347	5,221,110	16,562,678	1,000	996
Non-Residential	3	Non-Residential Window Film	CSWF	2019	8	253	6,608,945	27,312,292	5,287,156	21,849,834	992	997
Non-Residential	3	Non-Residential Window Film	CSWF	2020	0	253	6,609,653	33,921,945	5,287,722	27,137,556	1,000	995
Non-Residential	3	Non-Residential Window Film	CSWF	2021	0	253	6,609,659	40,531,604	5,287,727	32,425,283	997	998
Non-Residential	3	Non-Residential Window Film	CSWF	2022	0	253	6,609,668	47,141,272	5,287,734	37,713,017	995	997
Non-Residential	3	Non-Residential Window Film	CSWF	2023	0	253	6,609,664	53,750,936	5,287,731	43,000,748	990	995
Non-Residential	3	Non-Residential Window Film	CSWF	2024	-2	253	6,609,241	60,360,176	5,287,393	48,288,141	992	997
Non-Residential	3	Non-Residential Window Film	CSWF	2025	-19	249	2,423,968	62,784,145	1,939,175	50,227,316	997	997
Non-Residential	3	Non-Residential Window Film	CSWF	2026	-66	227	2,110,791	64,894,936	1,688,633	51,915,948	999	998
Non-Residential	3	Non-Residential Window Film	CSWF	2027	-61	161	1,127,081	66,022,017	901,665	52,817,614	998	993
Non-Residential	3	Non-Residential Window Film	CSWF	2028	-90	102	83,575	66,105,592	66,860	52,884,474	45	36
Non-Residential	3	Non-Residential Window Film	CSWF	2029	-15	8	730	66,106,323	584	52,885,058	4	3
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	7,292,815	7,346,964	6,782,318	6,832,677	999	1,000
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2018	510	1,514	24,192,736	31,539,700	22,499,245	29,331,921	8,130	7,561
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2019	503	2,017	37,394,580	68,934,280	34,776,959	64,108,880	10,000	10,000
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2020	327	2,344	47,162,499	116,096,779	43,861,124	107,970,005	9,996	9,999
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2021	68	2,412	52,776,828	168,873,607	49,082,450	157,052,454	9,990	9,982
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2022	0	2,412	52,909,706	221,783,313	49,206,027	206,258,481	9,990	9,982
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2023	0	2,412	52,909,725	274,693,039	49,206,045	255,464,526	9,987	9,982
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2024	0	2,412	52,909,752	327,602,791	49,206,070	304,670,596	9,958	9,976
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2025	0	2,412	52,909,664	380,512,456	49,205,988	353,876,584	9,965	9,983
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2026	0	2,412	52,909,749	433,422,205	49,206,067	403,082,650	9,964	9,983
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2027	0	2,412	52,909,723	486,331,928	49,206,042	452,288,693	9,990	9,982
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2028	0	2,412	52,909,751	539,241,679	49,206,069	501,494,761	9,927	9,997
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2029	0	2,412	52,909,746	592,151,425	49,206,064	550,700,825	9,964	9,982
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2030	-44	2,412	52,857,430	645,008,855	49,157,410	599,858,235	9,965	9,976
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2031	-834	2,339	45,673,825	690,682,680	42,476,657	642,334,892	9,997	9,997
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2032	-515	1,507	28,771,828	719,454,508	26,757,800	669,092,693	9,998	9,616
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2033	-557	971	15,553,086	735,007,594	14,464,370	683,557,062	1,000	1,000
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2034	-381	442	5,796,902	740,804,496	5,391,119	688,948,181	999	1,000
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2035	-81	43	146,870	740,951,366	136,589	689,084,771	100	100
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	4,133,447	4,133,469	3,513,430	3,513,449	1,000	1,000
Non-Residential	6	Non-Residential Prescriptive	CNRP	2019	666	1,535	9,165,676	13,299,146	7,790,825	11,304,274	999	1,000
Non-Residential	6	Non-Residential Prescriptive	CNRP	2020	577	2,112	30,821,632	44,120,778	18,034,201	29,338,475	9,665	7,030
Non-Residential	6	Non-Residential Prescriptive	CNRP	2021	709	2,821	65,044,126	109,164,903	33,632,632	62,971,107	9,998	9,993
Non-Residential	6	Non-Residential Prescriptive	CNRP	2022	14	2,835	82,150,479	191,315,382	41,751,902	104,723,009	9,999	10,000
Non-Residential	6	Non-Residential Prescriptive	CNRP	2023	0	2,835	82,172,683	273,488,065	41,760,873	146,483,882	9,992	9,964
Non-Residential	6	Non-Residential Prescriptive	CNRP	2024	-377	2,835	80,740,400	354,228,465	40,543,548	187,027,430	9,999	9,998
Non-Residential	6	Non-Residential Prescriptive	CNRP	2025	-478	2,415	74,907,223	429,135,689	35,585,238	222,612,668	9,997	9,997
Non-Residential	6	Non-Residential Prescriptive	CNRP	2026	-792	1,949	66,680,435	495,816,123	30,333,763	252,946,431	9,996	9,999
Non-Residential	6	Non-Residential Prescriptive	CNRP	2027	-780	1,133	26,751,042	522,567,165	12,901,767	265,848,199	8,779	3,014
Non-Residential	6	Non-Residential Prescriptive	CNRP	2028	-408	354	4,200,958	526,768,123	1,658,768	267,506,967	1,000	898

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Window Film	CSWF	2014	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	3	Non-Residential Window Film	CSWF	2015	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	3	Non-Residential Window Film	CSWF	2016	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	3	Non-Residential Window Film	CSWF	2017	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
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	-1	1	2,707	45,171	2,165	36,137	2	2
Non-Residential	3	Non-Residential Window Film	CSWF	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2016	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2017	7	7	34,514	34,514	32,098	32,098	10	10
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2018	36	43	615,930	650,443	572,815	604,912	98	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2019	27	70	1,581,250	2,231,693	1,470,562	2,075,475	99	99
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2020	17	87	2,155,459	4,387,153	2,004,577	4,080,052	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2021	7	94	2,432,442	6,819,594	2,262,171	6,342,223	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2022	0	94	2,449,570	9,269,164	2,278,100	8,620,323	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2023	0	94	2,449,571	11,718,735	2,278,101	10,898,424	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2024	0	94	2,449,578	14,168,314	2,278,108	13,176,532	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2025	0	94	2,449,568	16,617,881	2,278,098	15,454,630	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2026	0	94	2,449,572	19,067,453	2,278,102	17,732,732	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2027	0	94	2,449,565	21,517,018	2,278,095	20,010,827	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2028	0	94	2,449,572	23,966,590	2,278,102	22,288,929	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2029	0	94	2,449,578	26,416,168	2,278,107	24,567,036	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2030	0	94	2,449,575	28,865,743	2,278,105	26,845,141	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2031	-6	94	2,415,511	31,281,254	2,246,425	29,091,566	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2032	-37	88	1,835,930	33,117,184	1,707,415	30,798,981	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2033	-27	49	869,745	33,986,929	808,863	31,607,844	100	99
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2034	-17	19	295,793	34,282,722	275,088	31,882,931	100	100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2035	-7	6	18,768	34,301,490	17,455	31,900,386	10	10
Non-Residential	6	Non-Residential Prescriptive	CNRP	2017	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
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	1,362,362	574,045	946,662	275	100
Non-Residential	6	Non-Residential Prescriptive	CNRP	2021	44	120	2,908,605	4,270,968	1,455,542	2,402,204	765	503
Non-Residential	6	Non-Residential Prescriptive	CNRP	2022	0	120	3,194,835	7,465,803	1,609,208	4,011,412	805	537
Non-Residential	6	Non-Residential Prescriptive	CNRP	2023	0	120	3,194,836	10,660,638	1,609,209	5,620,621	802	535
Non-Residential	6	Non-Residential Prescriptive	CNRP	2024	0	120	3,194,812	13,855,450	1,609,195	7,229,816	803	535
Non-Residential	6	Non-Residential Prescriptive	CNRP	2025	-41	120	2,939,195	16,794,645	1,391,914	8,621,730	764	502
Non-Residential	6	Non-Residential Prescriptive	CNRP	2026	-17	79	2,735,654	19,530,299	1,220,579	9,842,309	743	484
Non-Residential	6	Non-Residential Prescriptive	CNRP	2027	-58	56	1,012,538	20,542,837	530,474	10,372,783	100	100
Non-Residential	6	Non-Residential Prescriptive	CNRP	2028	-4	4	23,209	20,566,047	14,467	10,387,250	10	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Window Film	CSWF	2014	3	3	482	482	386	386	4	3
Non-Residential	3	Non-Residential Window Film	CSWF	2015	22	25	4,189,931	4,190,414	3,351,945	3,352,331	992	970
Non-Residential	3	Non-Residential Window Film	CSWF	2016	70	95	4,499,840	8,690,254	3,599,872	6,952,203	986	969
Non-Residential	3	Non-Residential Window Film	CSWF	2017	59	154	5,486,706	14,176,960	4,389,365	11,341,568	996	1,000
Non-Residential	3	Non-Residential Window Film	CSWF	2018	92	246	6,528,208	20,705,168	5,222,566	16,564,134	1,002	998
Non-Residential	3	Non-Residential Window Film	CSWF	2019	8	254	6,613,461	27,318,629	5,290,769	21,854,903	994	999
Non-Residential	3	Non-Residential Window Film	CSWF	2020	0	254	6,614,169	33,932,797	5,291,335	27,146,238	1,002	997
Non-Residential	3	Non-Residential Window Film	CSWF	2021	0	254	6,614,175	40,546,972	5,291,340	32,437,578	999	1,000
Non-Residential	3	Non-Residential Window Film	CSWF	2022	0	254	6,614,184	47,161,156	5,291,347	37,728,925	997	999
Non-Residential	3	Non-Residential Window Film	CSWF	2023	0	254	6,614,180	53,775,336	5,291,344	43,020,269	992	997
Non-Residential	3	Non-Residential Window Film	CSWF	2024	-2	254	6,613,757	60,389,093	5,291,005	48,311,274	994	999
Non-Residential	3	Non-Residential Window Film	CSWF	2025	-19	250	2,428,484	62,817,577	1,942,787	50,254,061	999	999
Non-Residential	3	Non-Residential Window Film	CSWF	2026	-66	228	2,115,307	64,932,884	1,692,246	51,946,307	1,002	1,000
Non-Residential	3	Non-Residential Window Film	CSWF	2027	-61	162	1,131,597	66,064,481	905,278	52,851,585	1,001	994
Non-Residential	3	Non-Residential Window Film	CSWF	2028	-91	103	86,282	66,150,763	69,025	52,920,611	47	38
Non-Residential	3	Non-Residential Window Film	CSWF	2029	-15	8	730	66,106,323	584	52,885,058	4	3
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	7,327,329	7,381,478	6,814,416	6,864,774	1,009	1,010
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2018	546	1,557	24,808,666	32,190,144	23,072,059	29,936,834	8,228	7,661
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2019	530	2,087	38,975,829	71,165,973	36,247,521	66,184,355	10,099	10,099
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2020	344	2,431	49,317,958	120,483,932	45,865,701	112,050,056	10,095	10,099
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2021	75	2,506	55,209,270	175,693,201	51,344,621	163,394,677	10,090	10,082
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2022	0	2,506	55,359,276	231,052,478	51,484,127	214,878,804	10,090	10,082
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2023	0	2,506	55,359,296	286,411,774	51,484,146	266,362,950	10,087	10,082
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2024	0	2,506	55,359,331	341,771,105	51,484,178	317,847,127	10,058	10,076
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2025	0	2,506	55,359,232	397,130,337	51,484,086	369,331,213	10,065	10,083
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2026	0	2,506	55,359,321	452,489,658	51,484,169	420,815,382	10,064	10,083
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2027	0	2,506	55,359,288	507,848,946	51,484,137	472,299,520	10,090	10,082
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2028	0	2,506	55,359,323	563,208,269	51,484,171	523,783,690	10,027	10,097
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2029	0	2,506	55,359,324	618,567,593	51,484,171	575,267,861	10,064	10,082
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2030	-44	2,506	55,307,005	673,874,598	51,435,515	626,703,376	10,065	10,076
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2031	-840	2,433	48,089,336	721,963,934	44,723,082	671,426,459	10,097	10,097
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2032	-552	1,595	30,607,758	752,571,692	28,465,215	699,891,673	10,098	9,716
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2033	-584	1,020	16,422,831	768,994,523	15,273,233	715,164,906	1,100	1,099
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2034	-398	461	6,092,695	775,087,218	5,666,206	720,831,113	1,099	1,100
Non-Residential	5	Non-Residential Small Business Improvement	SBIP	2035	-88	49	165,639	775,252,857	154,044	720,985,157	110	110
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	4,157,534	4,157,556	3,533,904	3,533,923	1,027	1,022
Non-Residential	6	Non-Residential Prescriptive	CNRP	2019	702	1,592	9,579,962	13,737,519	8,142,968	11,676,891	1,057	1,049
Non-Residential	6	Non-Residential Prescriptive	CNRP	2020	596	2,188	31,745,621	45,483,140	18,608,246	30,285,137	9,939	7,130
Non-Residential	6	Non-Residential Prescriptive	CNRP	2021	753	2,941	67,952,731	113,435,871	35,088,174	65,373,310	10,763	10,496
Non-Residential	6	Non-Residential Prescriptive	CNRP	2022	14	2,955	85,345,314	198,781,185	43,361,111	108,734,421	10,804	10,537
Non-Residential	6	Non-Residential Prescriptive	CNRP	2023	0	2,955	85,367,518	284,148,703	43,370,082	152,104,503	10,794	10,499
Non-Residential	6	Non-Residential Prescriptive	CNRP	2024	-377	2,955	83,935,212	368,083,915	42,152,743	194,257,246	10,802	10,533
Non-Residential	6	Non-Residential Prescriptive	CNRP	2025	-519	2,535	77,846,418	445,930,334	36,977,152	231,234,399	10,761	10,499
Non-Residential	6	Non-Residential Prescriptive	CNRP	2026	-809	2,028	69,416,089	515,346,423	31,554,342	262,788,740	10,739	10,483
Non-Residential	6	Non-Residential Prescriptive	CNRP	2027	-838	1,189	27,763,580	543,110,002	13,432,241	276,220,982	8,879	3,113
Non-Residential	6	Non-Residential Prescriptive	CNRP	2028	-412	358	4,224,167	547,334,169	1,679,235	277,894,217	1,010	908

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	938	100
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2021	44	74	2,588,548	3,393,540	1,811,984	2,375,478	998	997
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2022	51	125	5,555,556	8,949,096	3,888,889	6,264,367	1,000	992
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2023	26	151	19,664,327	28,613,423	13,765,029	20,029,396	9,929	9,755
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2024	8	159	29,525,282	58,138,705	20,667,697	40,697,093	9,904	9,770
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2025	0	159	29,529,102	87,667,807	20,670,371	61,367,465	9,944	9,884
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2026	0	159	29,529,128	117,196,935	20,670,390	82,037,854	9,952	9,893
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2027	0	159	29,532,954	146,729,889	20,673,068	102,710,922	9,980	9,919
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2028	0	159	29,529,081	176,258,970	20,670,357	123,381,279	9,952	9,817
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2029	0	159	29,525,279	205,784,249	20,667,695	144,048,974	9,953	9,893
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2030	0	159	29,529,110	235,313,359	20,670,377	164,719,351	9,952	9,892
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2031	0	159	29,529,109	264,842,468	20,670,376	185,389,728	9,944	9,884
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2032	0	159	29,532,983	294,375,451	20,673,088	206,062,816	9,930	9,795
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2033	0	159	29,529,097	323,904,549	20,670,368	226,733,184	9,983	9,923
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2034	0	159	29,529,089	353,433,638	20,670,362	247,403,546	9,976	9,915
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2035	-29	159	28,727,833	382,161,471	20,109,483	267,513,030	9,980	9,893
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2036	-44	128	26,943,744	409,105,215	18,860,621	286,373,651	9,936	9,954
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2037	-50	84	23,996,647	433,101,862	16,797,653	303,171,303	9,922	9,941
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2038	-26	36	9,865,200	442,967,061	6,905,640	310,076,943	9,992	9,826
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2020	406	406	11,987,524	11,987,524	6,689,038	6,689,038	5,166	999
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2021	388	794	41,054,478	53,042,002	22,908,399	29,597,437	9,174	5,119
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2022	193	987	58,924,791	111,966,793	32,880,033	62,477,470	9,999	6,762
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2023	69	1,056	80,450,908	192,417,701	43,861,434	106,338,904	10,000	7,897
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2024	0	1,056	81,147,092	273,564,793	44,190,407	150,529,311	9,996	7,890
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2025	0	1,056	81,146,738	354,711,531	44,190,214	194,719,525	9,998	7,892
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2026	0	1,056	81,146,695	435,858,226	44,190,191	238,909,716	9,999	7,892
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2027	0	1,056	81,146,365	517,004,591	44,190,011	283,099,727	9,998	7,903
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2028	0	1,056	81,146,739	598,151,330	44,190,215	327,289,942	9,996	7,901
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2029	0	1,056	81,146,935	679,298,265	44,190,322	371,480,264	9,998	7,892
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2030	-305	1,056	73,675,779	752,974,044	40,021,419	411,501,683	9,991	7,880
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2031	-433	719	44,217,362	797,191,406	23,583,622	435,085,305	9,996	5,522
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2032	-175	302	24,616,299	821,807,705	12,646,234	447,731,539	5,501	2,877
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2033	-143	104	3,410,534	825,218,239	1,663,775	449,395,314	3,278	1,000
Non-Residential	7	Non-Residential Window Film	CSW2	2020	22	22	147,317	147,317	117,854	117,854	100	97
Non-Residential	7	Non-Residential Window Film	CSW2	2021	19	41	315,655	462,972	252,524	370,378	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2022	28	69	350,063	813,035	280,050	650,428	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2023	17	86	560,892	1,373,927	448,713	1,099,141	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2024	5	91	583,682	1,957,609	466,946	1,566,087	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2025	0	91	583,682	2,541,292	466,946	2,033,033	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2026	0	91	583,682	3,124,974	466,946	2,499,979	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2027	0	91	583,682	3,708,657	466,946	2,966,925	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2028	0	91	583,682	4,292,339	466,946	3,433,871	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2029	0	91	583,683	4,876,022	466,946	3,900,817	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2030	-22	91	437,089	5,313,110	349,671	4,250,488	100	100
Non-Residential	7	Non-Residential Window Film	CSW2	2031	-19	69	268,271	5,581,381	214,617	4,465,105	100	98
Non-Residential	7	Non-Residential Window Film	CSW2	2032	-28	45	233,741	5,815,123	186,993	4,652,098	99	79
Non-Residential	7	Non-Residential Window Film	CSW2	2033	-16	22	22,960	5,838,082	18,368	4,670,466	10	10
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2021	1	1	27,452	27,452	24,707	24,707	10	10
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2022	19	20	1,368,646	1,396,098	1,231,781	1,256,488	1,000	100
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2023	42	62	9,048,886	10,444,984	8,143,997	9,400,486	1,000	1,000
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2024	5	67	12,690,856	23,135,840	11,421,770	20,822,256	987	970
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2025	0	67	12,691,190	35,827,030	11,422,071	32,244,327	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2026	0	67	12,691,192	48,518,221	11,422,072	43,666,399	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2027	0	67	12,691,531	61,209,752	11,422,378	55,088,777	990	973
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2028	0	67	12,691,203	73,900,955	11,422,083	66,510,859	989	972
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2029	0	67	12,690,854	86,591,809	11,421,769	77,932,628	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2030	0	67	12,691,190	99,282,999	11,422,071	89,354,699	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2031	0	67	12,691,190	111,974,189	11,422,071	100,776,770	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2032	0	67	12,691,501	124,665,690	11,422,351	112,199,121	988	971
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2033	0	67	12,691,215	137,356,905	11,422,093	123,621,215	990	973
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2034	-8	67	12,507,660	149,864,566	11,256,894	134,878,109	994	1,000
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2035	-33	59	6,208,012	156,072,578	5,587,211	140,465,320	1,000	999
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2036	-20	22	482,167	156,554,745	433,950	140,899,270	99	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
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	1	2	47,233	48,394	33,063	33,876	98	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2023	0	2	142,505	190,898	99,753	133,629	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2024	0	2	142,486	333,385	99,740	233,369	99	100
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2025	0	2	142,505	475,889	99,753	333,123	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2026	0	2	142,505	618,394	99,753	432,876	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2027	0	2	142,523	760,917	99,766	532,642	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2028	0	2	142,504	903,422	99,753	632,395	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2029	0	2	142,486	1,045,908	99,741	732,136	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2030	0	2	142,505	1,188,413	99,753	831,889	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2031	0	2	142,505	1,330,918	99,753	931,642	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2032	0	2	142,523	1,473,441	99,766	1,031,409	99	100
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2033	0	2	142,505	1,615,945	99,753	1,131,162	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2034	0	2	142,505	1,758,450	99,753	1,230,915	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2035	0	2	142,486	1,900,936	99,741	1,330,656	99	96
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2036	-1	2	141,345	2,042,282	98,942	1,429,597	99	100
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2037	-1	1	95,363	2,137,645	66,754	1,496,351	100	93
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2020	9	9	57,137	57,137	31,882	31,882	10	10
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2021	5	14	204,313	261,450	114,007	145,889	54	30
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2022	12	26	642,059	903,509	358,269	504,158	100	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2023	3	29	2,100,676	3,004,185	1,144,792	1,648,950	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2024	0	29	2,126,702	5,130,886	1,157,090	2,806,041	376	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2025	0	29	2,126,692	7,257,579	1,157,085	3,963,126	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2026	0	29	2,126,691	9,384,269	1,157,084	5,120,210	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2027	0	29	2,126,682	11,510,951	1,157,079	6,277,290	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2028	0	29	2,126,692	13,637,643	1,157,085	7,434,375	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2029	0	29	2,126,698	15,764,341	1,157,088	8,591,463	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2030	-6	29	2,088,727	17,853,068	1,135,900	9,727,363	377	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2031	-8	20	1,954,782	19,807,849	1,061,159	10,788,523	356	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2032	-4	15	1,688,066	21,495,916	912,332	11,700,855	323	100
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2033	-11	10	131,676	21,627,592	66,354	11,767,208	100	67
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	130,381	9	7
Non-Residential	7	Non-Residential Window Film	CSW2	2030	-1	2	11,428	174,405	9,143	139,524	8	7
Non-Residential	7	Non-Residential Window Film	CSW2	2031	-1	1	4	174,410	4	139,528	0	0
Non-Residential	7	Non-Residential Window Film	CSW2	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Window Film	CSW2	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2023	4	4	287,519	287,519	258,767	258,767	55	50
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2024	1	5	419,939	707,458	377,945	636,712	69	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2025	0	5	419,942	1,127,399	377,948	1,014,660	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2026	0	5	419,942	1,547,341	377,948	1,392,607	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2027	0	5	419,944	1,967,286	377,950	1,770,557	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2028	0	5	419,942	2,387,227	377,947	2,148,504	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2029	0	5	419,939	2,807,166	377,945	2,526,450	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2030	0	5	419,942	3,227,108	377,947	2,904,397	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2031	0	5	419,942	3,647,050	377,948	3,282,345	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2032	0	5	419,944	4,066,994	377,950	3,660,295	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2033	0	5	419,942	4,486,936	377,948	4,038,242	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2034	0	5	419,942	4,906,878	377,948	4,416,190	70	63
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2035	-2	5	253,702	5,160,580	228,332	4,644,522	69	62
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2036	-2	3	21,134	5,181,714	19,020	4,663,542	10	10

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	938	100
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2021	45	75	2,589,709	3,394,702	1,812,796	2,376,291	1,002	1,000
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2022	52	127	5,602,788	8,997,490	3,921,952	6,298,243	1,098	1,089
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2023	26	153	19,806,831	28,804,321	13,864,782	20,163,025	10,028	9,851
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2024	8	161	29,667,768	58,472,089	20,767,438	40,930,463	10,003	9,870
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2025	0	161	29,671,607	88,143,696	20,770,125	61,700,587	10,042	9,980
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2026	0	161	29,671,633	117,815,329	20,770,143	82,470,730	10,051	9,988
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2027	0	161	29,675,477	147,490,806	20,772,834	103,243,564	10,079	10,016
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2028	0	161	29,671,586	177,162,392	20,770,110	124,013,674	10,051	9,913
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2029	0	161	29,667,765	206,830,157	20,767,436	144,781,110	10,052	9,989
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2030	0	161	29,671,615	236,501,772	20,770,130	165,551,240	10,050	9,988
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2031	0	161	29,671,614	266,173,386	20,770,130	186,321,370	10,042	9,980
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2032	0	161	29,675,507	295,848,892	20,772,855	207,094,225	10,028	9,895
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2033	0	161	29,671,602	325,520,494	20,770,121	227,864,346	10,082	10,019
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2034	0	161	29,671,593	355,192,088	20,770,115	248,634,461	10,074	10,012
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2035	-29	161	28,870,320	384,062,407	20,209,224	268,843,685	10,079	9,989
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2036	-45	130	27,085,090	411,147,497	18,959,563	287,803,248	10,035	10,054
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2037	-51	85	24,092,009	435,239,506	16,864,407	304,667,654	10,022	10,034
Non-Residential	7	Non-Residential Heating and Cooling Efficiency	CHV3	2038	-26	36	9,865,200	442,967,061	6,905,640	310,076,943	9,992	9,826
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2020	415	415	12,044,661	12,044,661	6,720,921	6,720,921	5,176	1,009
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2021	393	808	41,258,791	53,303,452	23,022,406	29,743,326	9,228	5,149
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2022	205	1,013	59,566,849	112,870,302	33,238,302	62,981,628	10,099	6,861
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2023	72	1,085	82,551,584	195,421,886	45,006,226	107,987,855	10,377	7,997
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2024	0	1,085	83,273,794	278,695,680	45,347,498	153,335,352	10,372	7,990
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2025	0	1,085	83,273,430	361,969,109	45,347,299	198,682,651	10,375	7,992
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2026	0	1,085	83,273,386	445,242,496	45,347,275	244,029,927	10,376	7,992
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2027	0	1,085	83,273,047	528,515,542	45,347,090	289,377,017	10,375	8,003
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2028	0	1,085	83,273,431	611,788,973	45,347,300	334,724,317	10,373	8,001
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2029	0	1,085	83,273,633	695,062,606	45,347,410	380,071,727	10,375	7,992
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2030	-311	1,085	75,764,506	770,827,112	41,157,320	421,229,046	10,368	7,980
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2031	-441	739	46,172,144	816,999,256	24,644,782	445,873,828	10,352	5,622
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2032	-179	317	26,304,365	843,303,621	13,558,566	459,432,394	5,824	2,977
Non-Residential	7	Non-Residential Lighting Systems & Controls	CLT3	2033	-154	114	3,542,210	846,845,831	1,730,129	461,162,522	3,378	1,067
Non-Residential	7	Non-Residential Window Film	CSW2	2020	23	23	153,378	153,378	122,703	122,703	108	104
Non-Residential	7	Non-Residential Window Film	CSW2	2021	20	43	333,086	486,465	266,469	389,172	109	107
Non-Residential	7	Non-Residential Window Film	CSW2	2022	28	71	367,498	853,963	293,999	683,171	109	107
Non-Residential	7	Non-Residential Window Film	CSW2	2023	17	88	578,327	1,432,290	462,662	1,145,832	108	107
Non-Residential	7	Non-Residential Window Film	CSW2	2024	5	93	601,118	2,033,408	480,894	1,626,727	109	107
Non-Residential	7	Non-Residential Window Film	CSW2	2025	0	93	601,118	2,634,526	480,894	2,107,621	108	107
Non-Residential	7	Non-Residential Window Film	CSW2	2026	0	93	601,118	3,235,644	480,894	2,588,515	108	107
Non-Residential	7	Non-Residential Window Film	CSW2	2027	0	93	601,118	3,836,762	480,894	3,069,410	108	107
Non-Residential	7	Non-Residential Window Film	CSW2	2028	0	93	601,118	4,437,880	480,894	3,550,304	108	106
Non-Residential	7	Non-Residential Window Film	CSW2	2029	0	93	601,118	5,038,998	480,894	4,031,199	109	107
Non-Residential	7	Non-Residential Window Film	CSW2	2030	-23	93	448,517	5,487,515	358,814	4,390,012	108	107
Non-Residential	7	Non-Residential Window Film	CSW2	2031	-20	70	268,276	5,755,791	214,621	4,604,633	100	98
Non-Residential	7	Non-Residential Window Film	CSW2	2032	-28	45	233,741	5,815,123	186,993	4,652,098	99	79
Non-Residential	7	Non-Residential Window Film	CSW2	2033	-16	22	22,960	5,838,082	18,368	4,670,466	10	10
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2021	1	1	27,452	27,452	24,707	24,707	10	10
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2022	19	20	1,368,646	1,396,098	1,231,781	1,256,488	1,000	100
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2023	46	66	9,336,405	10,732,503	8,402,764	9,659,252	1,055	1,050
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2024	6	72	13,110,795	23,843,297	11,799,715	21,458,968	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2025	0	72	13,111,132	36,954,429	11,800,019	33,258,986	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2026	0	72	13,111,133	50,065,563	11,800,020	45,059,006	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2027	0	72	13,111,475	63,177,038	11,800,328	56,859,334	1,059	1,035
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2028	0	72	13,111,145	76,288,182	11,800,030	68,659,364	1,059	1,035
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2029	0	72	13,110,794	89,398,976	11,799,714	80,459,078	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2030	0	72	13,111,131	102,510,107	11,800,018	92,259,096	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2031	0	72	13,111,132	115,621,239	11,800,019	104,059,115	1,057	1,033
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2032	0	72	13,111,446	128,732,684	11,800,301	115,859,416	1,058	1,034
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2033	0	72	13,111,157	141,843,841	11,800,041	127,659,457	1,059	1,035
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2034	-8	72	12,927,602	154,771,443	11,634,842	139,294,299	1,064	1,062
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2035	-35	64	6,461,714	161,233,158	5,815,543	145,109,842	1,069	1,062
Non-Residential	7	Non-Residential Small Manufacturing	CTSM	2036	-22	25	503,301	161,736,458	452,971	145,562,813	109	109

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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 Office	CTSO	2020	6	6	8,158	8,158	7,343	7,343	10	10
Non-Residential	7	Non-Residential Office	CTSO	2021	59	65	1,201,491	1,209,650	1,081,342	1,088,685	998	993
Non-Residential	7	Non-Residential Office	CTSO	2022	16	81	1,841,294	3,050,943	1,657,165	2,745,849	999	999
Non-Residential	7	Non-Residential Office	CTSO	2023	86	167	8,694,470	11,745,413	7,825,023	10,570,872	9,964	9,990
Non-Residential	7	Non-Residential Office	CTSO	2024	2	169	12,634,212	24,379,625	11,370,791	21,941,662	9,986	9,986
Non-Residential	7	Non-Residential Office	CTSO	2025	0	169	12,633,311	37,012,936	11,369,980	33,311,642	9,980	9,981
Non-Residential	7	Non-Residential Office	CTSO	2026	0	169	12,633,301	49,646,237	11,369,971	44,681,613	9,966	9,966
Non-Residential	7	Non-Residential Office	CTSO	2027	-6	169	12,624,518	62,270,755	11,362,066	56,043,680	9,977	9,978
Non-Residential	7	Non-Residential Office	CTSO	2028	-59	144	11,431,229	73,701,984	10,288,106	66,331,786	9,989	9,952
Non-Residential	7	Non-Residential Office	CTSO	2029	-16	104	10,803,936	84,505,921	9,723,543	76,055,329	9,940	9,958
Non-Residential	7	Non-Residential Office	CTSO	2030	-86	83	3,950,508	88,456,428	3,555,457	79,610,786	998	1,000
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2021	7	7	6,556	6,556	5,901	5,901	8	7
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2022	113	120	430,646	437,202	387,582	393,482	100	100
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2023	83	203	2,977,707	3,414,909	2,679,936	3,073,418	999	999
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2024	38	241	3,910,153	7,325,062	3,519,138	6,592,556	992	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2025	0	241	3,910,263	11,235,325	3,519,237	10,111,793	994	994
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2026	0	241	3,910,264	15,145,590	3,519,238	13,631,031	998	992
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2027	0	241	3,910,379	19,055,969	3,519,341	17,150,372	997	998
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2028	0	241	3,910,263	22,966,232	3,519,237	20,669,609	992	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2029	0	241	3,910,154	26,876,386	3,519,138	24,188,747	994	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2030	0	241	3,910,264	30,786,650	3,519,238	27,707,985	994	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2031	0	241	3,910,263	34,696,913	3,519,237	31,227,222	994	994
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2032	0	241	3,910,376	38,607,289	3,519,338	34,746,560	998	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2033	-6	241	3,904,037	42,511,326	3,513,634	38,260,193	997	998
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2034	-104	232	3,697,311	46,208,637	3,327,579	41,587,773	1,000	1,000
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2035	-58	128	2,892,801	49,101,437	2,603,521	44,191,294	998	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2036	-23	68	2,378,494	51,479,931	2,140,645	46,331,938	995	992
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2037	0	50	2,378,478	53,858,410	2,140,630	48,472,569	998	976
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2038	-15	50	2,273,212	56,131,621	2,045,891	50,518,459	998	999
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2039	-13	31	2,090,015	58,221,637	1,881,014	52,399,473	1,000	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2040	0	22	2,089,935	60,311,571	1,880,941	54,280,414	1,000	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2041	-5	22	2,011,703	62,323,275	1,810,533	56,090,947	996	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2042	-1	17	1,978,583	64,301,858	1,780,725	57,871,672	994	991
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2043	0	16	1,978,583	66,280,441	1,780,725	59,652,397	997	983
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2044	-1	16	1,978,481	68,258,922	1,780,633	61,433,030	998	981
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2045	-9	15	1,766,207	70,025,129	1,589,587	63,022,616	998	985
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2046	-5	5	209,515	70,234,644	188,564	63,211,180	100	100
Non-Residential	8	Non-Residential Multifamily	CMFP	2022	5	5	6,275	6,275	5,648	5,648	10	10
Non-Residential	8	Non-Residential Multifamily	CMFP	2023	29	34	222,310	228,585	200,079	205,726	98	88
Non-Residential	8	Non-Residential Multifamily	CMFP	2024	32	66	377,354	605,939	339,618	545,345	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2025	0	66	377,340	983,279	339,606	884,951	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2026	0	66	377,340	1,360,619	339,606	1,224,557	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2027	0	66	377,326	1,737,944	339,593	1,564,150	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2028	0	66	377,340	2,115,284	339,606	1,903,756	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2029	0	66	377,354	2,492,638	339,619	2,243,374	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2030	0	66	377,340	2,869,978	339,606	2,582,980	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2031	-6	66	284,505	3,154,483	256,055	2,839,035	99	89
Non-Residential	8	Non-Residential Multifamily	CMFP	2032	-31	60	64,942	3,219,426	58,448	2,897,483	10	10
Non-Residential	8	Non-Residential Multifamily	CMFP	2033	-1	29	13,023	3,232,449	11,721	2,909,204	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2023	8	8	11,098,924	11,098,924	9,989,031	9,989,031	9,177	8,260
Non-Residential	8	Non-Residential New Construction	CNCR	2024	8	16	28,749,638	39,848,561	25,874,674	35,863,705	9,990	9,938
Non-Residential	8	Non-Residential New Construction	CNCR	2025	0	16	28,749,731	68,598,293	25,874,758	61,738,463	9,991	9,939
Non-Residential	8	Non-Residential New Construction	CNCR	2026	0	16	28,749,773	97,348,066	25,874,796	87,613,259	9,994	9,942
Non-Residential	8	Non-Residential New Construction	CNCR	2027	0	16	28,749,795	126,097,861	25,874,816	113,488,075	9,997	9,944
Non-Residential	8	Non-Residential New Construction	CNCR	2028	0	16	28,749,700	154,847,561	25,874,730	139,362,805	9,901	9,000
Non-Residential	8	Non-Residential New Construction	CNCR	2029	0	16	28,749,624	183,597,185	25,874,662	165,237,467	9,995	8,995
Non-Residential	8	Non-Residential New Construction	CNCR	2030	0	16	28,749,720	212,346,906	25,874,748	191,112,215	9,990	9,938
Non-Residential	8	Non-Residential New Construction	CNCR	2031	0	16	28,749,732	241,096,637	25,874,758	216,986,973	9,991	9,939
Non-Residential	8	Non-Residential New Construction	CNCR	2032	0	16	28,749,785	269,846,422	25,874,807	242,861,780	9,995	9,943
Non-Residential	8	Non-Residential New Construction	CNCR	2033	0	16	28,749,710	298,596,133	25,874,739	268,736,519	10,000	9,947
Non-Residential	8	Non-Residential New Construction	CNCR	2034	0	16	28,749,712	327,345,844	25,874,740	294,611,260	10,000	9,000
Non-Residential	8	Non-Residential New Construction	CNCR	2035	0	16	28,749,624	356,095,468	25,874,662	320,485,921	9,995	8,995
Non-Residential	8	Non-Residential New Construction	CNCR	2036	0	16	28,749,693	384,845,162	25,874,724	346,360,645	9,990	9,938
Non-Residential	8	Non-Residential New Construction	CNCR	2037	0	16	28,749,773	413,594,935	25,874,796	372,235,441	9,994	9,942
Non-Residential	8	Non-Residential New Construction	CNCR	2038	-4	16	17,715,388	431,310,323	15,943,850	388,179,291	9,806	9,751
Non-Residential	8	Non-Residential New Construction	CNCR	2039	-6	11	5,643	431,315,966	5,079	388,184,370	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2040	0	6	5,643	431,321,609	5,079	388,189,448	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2041	0	6	5,643	431,327,252	5,079	388,194,527	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2042	0	6	5,643	431,332,895	5,079	388,199,606	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2043	0	6	5,643	431,338,538	5,079	388,204,684	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2044	0	6	5,643	431,344,182	5,079	388,209,763	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2045	0	6	5,643	431,349,825	5,079	388,214,842	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2046	0	6	5,643	431,355,468	5,079	388,219,921	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2047	0	6	5,643	431,361,111	5,079	388,224,999	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2048	-4	6	999	431,362,110	899	388,225,899	2	2

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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 Office	CTSO	2020	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	7	Non-Residential Office	CTSO	2021	2	2	23,228	23,228	20,905	20,905	10	10
Non-Residential	7	Non-Residential Office	CTSO	2022	0	2	43,444	66,672	39,100	60,005	76	10
Non-Residential	7	Non-Residential Office	CTSO	2023	1	3	48,757	115,429	43,881	103,886	76	10
Non-Residential	7	Non-Residential Office	CTSO	2024	0	3	93,914	209,342	84,522	188,408	99	99
Non-Residential	7	Non-Residential Office	CTSO	2025	0	3	93,906	303,249	84,516	272,924	99	99
Non-Residential	7	Non-Residential Office	CTSO	2026	0	3	93,906	397,155	84,516	357,439	99	99
Non-Residential	7	Non-Residential Office	CTSO	2027	0	3	93,899	491,054	84,509	441,948	99	99
Non-Residential	7	Non-Residential Office	CTSO	2028	-2	3	70,781	561,834	63,703	505,651	96	98
Non-Residential	7	Non-Residential Office	CTSO	2029	0	1	50,466	612,300	45,419	551,070	75	67
Non-Residential	7	Non-Residential Office	CTSO	2030	-1	1	45,019	657,319	40,517	591,587	75	67
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2021	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2044	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2045	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2046	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential Multifamily	CMFP	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	8	Non-Residential New Construction	CNCR	2023	1	1	13,326	13,326	11,993	11,993	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2024	0	1	43,828	57,154	39,445	51,439	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2025	0	1	43,829	100,983	39,446	90,885	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2026	0	1	43,829	144,812	39,446	130,331	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2027	0	1	43,830	188,642	39,447	169,778	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2028	0	1	43,829	232,471	39,446	209,224	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2029	0	1	43,828	276,299	39,445	248,669	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2030	0	1	43,829	320,128	39,446	288,115	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2031	0	1	43,829	363,957	39,446	327,561	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2032	0	1	43,830	407,787	39,447	367,008	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2033	0	1	43,829	451,616	39,446	406,455	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2034	0	1	43,829	495,445	39,446	445,901	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2035	0	1	43,828	539,273	39,445	485,346	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2036	0	1	43,829	583,102	39,446	524,792	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2037	0	1	43,829	626,931	39,446	564,238	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2038	0	1	30,920	657,852	27,828	592,067	10	10
Non-Residential	8	Non-Residential New Construction	CNCR	2039	0	1	1,234	659,086	1,111	593,177	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2040	0	1	1,234	660,320	1,111	594,288	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2041	0	1	1,234	661,554	1,111	595,399	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2042	0	1	1,234	662,788	1,111	596,509	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2043	0	1	1,234	664,022	1,111	597,620	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2044	0	1	1,234	665,257	1,111	598,731	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2045	0	1	1,234	666,491	1,111	599,842	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2046	0	1	1,234	667,725	1,111	600,952	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2047	0	1	1,234	668,959	1,111	602,063	0	0
Non-Residential	8	Non-Residential New Construction	CNCR	2048	-1	1	876	669,835	788	602,851	0	0

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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 Office	CTSO	2020	6	6	8,158	8,158	7,343	7,343	10	10
Non-Residential	7	Non-Residential Office	CTSO	2021	61	67	1,224,719	1,232,878	1,102,247	1,109,590	1,008	1,003
Non-Residential	7	Non-Residential Office	CTSO	2022	16	83	1,884,738	3,117,616	1,696,264	2,805,854	1,075	1,009
Non-Residential	7	Non-Residential Office	CTSO	2023	87	170	8,743,226	11,860,842	7,868,904	10,674,758	10,040	10,000
Non-Residential	7	Non-Residential Office	CTSO	2024	2	172	12,728,125	24,588,967	11,455,313	22,130,071	10,084	10,085
Non-Residential	7	Non-Residential Office	CTSO	2025	0	172	12,727,217	37,316,184	11,454,495	33,584,566	10,079	10,079
Non-Residential	7	Non-Residential Office	CTSO	2026	0	172	12,727,208	50,043,392	11,454,487	45,039,053	10,064	10,065
Non-Residential	7	Non-Residential Office	CTSO	2027	-6	172	12,718,417	62,761,809	11,446,575	56,485,628	10,076	10,077
Non-Residential	7	Non-Residential Office	CTSO	2028	-61	147	11,502,010	74,263,819	10,351,809	66,837,437	10,086	10,049
Non-Residential	7	Non-Residential Office	CTSO	2029	-16	105	10,854,402	85,118,221	9,768,962	76,606,399	10,015	10,025
Non-Residential	7	Non-Residential Office	CTSO	2030	-87	84	3,995,526	89,113,748	3,595,974	80,202,373	1,073	1,067
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2021	7	7	6,556	6,556	5,901	5,901	8	7
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2022	113	120	430,646	437,202	387,582	393,482	100	100
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2023	83	203	2,977,707	3,414,909	2,679,936	3,073,418	999	999
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2024	38	241	3,910,153	7,325,062	3,519,138	6,592,556	992	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2025	0	241	3,910,263	11,235,325	3,519,237	10,111,793	994	994
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2026	0	241	3,910,264	15,145,590	3,519,238	13,631,031	998	992
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2027	0	241	3,910,379	19,055,969	3,519,341	17,150,372	997	998
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2028	0	241	3,910,263	22,966,232	3,519,237	20,669,609	992	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2029	0	241	3,910,154	26,876,386	3,519,138	24,188,747	994	995
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2030	0	241	3,910,264	30,786,650	3,519,238	27,707,985	994	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2031	0	241	3,910,263	34,696,913	3,519,237	31,227,222	994	994
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2032	0	241	3,910,376	38,607,289	3,519,338	34,746,560	999	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2033	-6	241	3,904,037	42,511,326	3,513,634	38,260,193	997	998
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2034	-104	232	3,697,311	46,208,637	3,327,579	41,587,773	1,000	1,000
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2035	-58	128	2,892,801	49,101,437	2,603,521	44,191,294	998	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2036	-23	68	2,378,494	51,479,931	2,140,645	46,331,938	995	992
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2037	0	50	2,378,478	53,858,410	2,140,630	48,472,569	998	976
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2038	-15	50	2,273,212	56,131,621	2,045,891	50,518,459	998	999
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2039	-13	31	2,090,015	58,221,637	1,881,014	52,399,473	1,000	996
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2040	0	22	2,089,935	60,311,571	1,880,941	54,280,414	1,000	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2041	-5	22	2,011,703	62,323,275	1,810,533	56,090,947	996	993
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2042	-1	17	1,978,583	64,301,858	1,780,725	57,871,672	994	991
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2043	0	16	1,978,583	66,280,441	1,780,725	59,652,397	997	983
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2044	-1	16	1,978,481	68,258,922	1,780,633	61,433,030	998	981
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2045	-9	15	1,766,207	70,025,129	1,589,587	63,022,616	998	985
Non-Residential	8	Non-Residential Midstream Energy Efficiency Products	CEEP	2046	-5	5	209,515	70,234,644	188,564	63,211,180	100	100
Non-Residential	8	Non-Residential Multifamily	CMFP	2022	5	5	6,275	6,275	5,648	5,648	10	10
Non-Residential	8	Non-Residential Multifamily	CMFP	2023	29	34	222,310	228,585	200,079	205,726	98	88
Non-Residential	8	Non-Residential Multifamily	CMFP	2024	32	66	377,354	605,939	339,618	545,345	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2025	0	66	377,340	983,279	339,606	884,951	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2026	0	66	377,340	1,360,619	339,606	1,224,557	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2027	0	66	377,326	1,737,944	339,593	1,564,150	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2028	0	66	377,340	2,115,284	339,606	1,903,756	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2029	0	66	377,354	2,492,638	339,619	2,243,374	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2030	0	66	377,340	2,869,978	339,606	2,582,980	99	92
Non-Residential	8	Non-Residential Multifamily	CMFP	2031	-6	66	284,505	3,154,483	256,055	2,839,035	99	89
Non-Residential	8	Non-Residential Multifamily	CMFP	2032	-31	60	64,942	3,219,426	58,448	2,897,483	10	10
Non-Residential	8	Non-Residential Multifamily	CMFP	2033	-1	29	13,023	3,232,449	11,721	2,909,204	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2023	9	9	11,112,250	11,112,250	10,001,025	10,001,025	9,187	8,269
Non-Residential	8	Non-Residential New Construction	CNCR	2024	8	17	28,793,466	39,905,715	25,914,119	35,915,144	10,000	9,948
Non-Residential	8	Non-Residential New Construction	CNCR	2025	0	17	28,793,560	68,699,276	25,914,204	61,829,348	10,001	9,949
Non-Residential	8	Non-Residential New Construction	CNCR	2026	0	17	28,793,602	97,492,878	25,914,242	87,743,590	10,004	9,951
Non-Residential	8	Non-Residential New Construction	CNCR	2027	0	17	28,793,625	126,286,503	25,914,263	113,657,853	10,007	9,954
Non-Residential	8	Non-Residential New Construction	CNCR	2028	0	17	28,793,529	155,080,032	25,914,176	139,572,029	9,911	9,010
Non-Residential	8	Non-Residential New Construction	CNCR	2029	0	17	28,793,452	183,873,485	25,914,107	165,486,136	10,005	9,005
Non-Residential	8	Non-Residential New Construction	CNCR	2030	0	17	28,793,549	212,667,034	25,914,194	191,400,330	10,000	9,948
Non-Residential	8	Non-Residential New Construction	CNCR	2031	0	17	28,793,561	241,460,594	25,914,205	217,314,535	10,001	9,949
Non-Residential	8	Non-Residential New Construction	CNCR	2032	0	17	28,793,615	270,254,210	25,914,254	243,228,789	10,005	9,952
Non-Residential	8	Non-Residential New Construction	CNCR	2033	0	17	28,793,539	299,047,749	25,914,185	269,142,974	10,010	9,956
Non-Residential	8	Non-Residential New Construction	CNCR	2034	0	17	28,793,541	327,841,289	25,914,187	295,057,160	10,010	9,010
Non-Residential	8	Non-Residential New Construction	CNCR	2035	0	17	28,793,452	356,634,741	25,914,107	320,971,267	10,005	9,005
Non-Residential	8	Non-Residential New Construction	CNCR	2036	0	17	28,793,522	385,428,264	25,914,170	346,885,437	10,000	9,947
Non-Residential	8	Non-Residential New Construction	CNCR	2037	0	17	28,793,602	414,221,866	25,914,242	372,799,679	10,004	9,951
Non-Residential	8	Non-Residential New Construction	CNCR	2038	-4	17	17,746,309	431,968,175	15,971,678	388,771,357	9,816	9,761
Non-Residential	8	Non-Residential New Construction	CNCR	2039	-6	12	6,877	431,975,052	6,189	388,777,547	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2040	0	7	6,877	431,981,929	6,189	388,783,736	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2041	0	7	6,877	431,988,807	6,189	388,789,926	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2042	0	7	6,877	431,995,684	6,189	388,796,115	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2043	0	7	6,877	432,002,561	6,189	388,802,305	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2044	0	7	6,877	432,009,438	6,189	388,808,494	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2045	0	7	6,877	432,016,315	6,189	388,814,684	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2046	0	7	6,877	432,023,193	6,189	388,820,873	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2047	0	7	6,877	432,030,070	6,189	388,827,063	2	2
Non-Residential	8	Non-Residential New Construction	CNCR	2048	-5	7	1,875	432,031,945	1,687	388,828,750	2	2

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	DSM_Pha	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	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2021	307	307	783,713	783,713	685,329	685,329	410	359
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2022	591	898	5,346,506	6,130,219	4,687,671	5,373,000	999	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2023	947	1,845	10,044,267	16,174,486	8,559,431	13,932,432	1,000	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2024	314	2,159	12,710,402	28,884,888	10,603,444	24,535,875	991	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2025	0	2,159	12,710,536	41,595,424	10,603,540	35,139,415	989	999
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2026	-48	2,159	12,663,986	54,259,411	10,560,249	45,699,664	1,000	999
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2027	-133	2,108	12,455,100	66,714,510	10,365,955	56,065,619	1,000	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2028	-195	1,959	12,062,152	78,776,662	10,000,541	66,066,160	999	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2029	-47	1,756	11,901,602	90,678,264	9,851,260	75,917,420	999	998
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2030	-2	1,736	11,900,658	102,578,923	9,850,354	85,767,774	1,000	998
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2031	-55	1,734	11,468,899	114,047,822	9,473,427	95,241,202	999	999
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2032	-103	1,675	7,788,210	121,836,032	6,263,169	101,504,371	1,000	1,000
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2033	-114	1,567	3,676,396	125,512,427	2,847,807	104,352,178	1,000	859
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2034	-57	1,457	603,176	126,115,604	556,389	104,908,568	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2035	-1	1,405	574,903	126,690,507	534,660	105,443,227	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2036	0	1,404	574,903	127,265,410	534,660	105,977,887	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2037	0	1,404	574,903	127,840,313	534,660	106,512,547	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2038	0	1,404	574,900	128,415,213	534,657	107,047,204	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2039	-183	1,404	556,190	128,971,403	517,257	107,564,461	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2040	-336	1,188	363,199	129,334,602	337,775	107,902,236	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2041	-655	860	149,354	129,483,956	138,899	108,041,135	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2022	3	3	503,051	503,051	487,960	487,960	983	974
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2023	8	11	5,273,195	5,776,247	5,115,000	5,602,959	999	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2024	2	13	5,896,249	11,672,496	5,719,362	11,322,321	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2025	0	13	5,896,464	17,568,960	5,719,570	17,041,891	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2026	0	13	5,896,464	23,465,424	5,719,570	22,761,461	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2027	0	13	5,896,678	29,362,102	5,719,778	28,481,239	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2028	0	13	5,896,473	35,258,575	5,719,579	34,200,817	998	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2029	0	13	5,896,250	41,154,825	5,719,362	39,920,180	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2030	0	13	5,895,181	47,050,005	5,718,325	45,638,505	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2031	0	13	5,894,533	52,944,538	5,717,697	51,356,202	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2032	-1	13	5,408,851	58,353,389	5,246,585	56,602,787	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2033	-6	12	752,703	59,106,092	730,121	57,332,909	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2034	-2	5	603,561	59,709,652	585,454	57,918,363	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2035	-1	3	601,561	60,311,213	583,514	58,501,877	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2036	0	3	601,582	60,912,796	583,535	59,085,412	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2037	0	3	601,583	61,514,379	583,536	59,668,947	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2038	-1	3	601,473	62,115,852	583,429	60,252,377	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2039	0	2	601,423	62,717,275	583,380	60,835,757	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2040	0	2	601,401	63,318,676	583,359	61,419,115	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2041	0	2	601,421	63,920,097	583,378	62,002,494	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2042	0	2	601,421	64,521,518	583,379	62,585,872	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2043	-2	2	476,705	64,998,223	462,404	63,048,276	100	100
Non-Residential	9	Non-Residential Building Optimization	CBOT	2022	2	2	129,419	129,419	116,478	116,478	99	100
Non-Residential	9	Non-Residential Building Optimization	CBOT	2023	43	45	8,470,760	8,600,180	7,623,684	7,740,162	8,481	7,633
Non-Residential	9	Non-Residential Building Optimization	CBOT	2024	15	60	15,656,261	24,256,441	14,090,635	21,830,797	9,977	9,874
Non-Residential	9	Non-Residential Building Optimization	CBOT	2025	0	60	15,656,991	39,913,432	14,091,292	35,922,089	9,961	9,992
Non-Residential	9	Non-Residential Building Optimization	CBOT	2026	0	60	15,656,999	55,570,431	14,091,299	50,013,388	9,966	9,997
Non-Residential	9	Non-Residential Building Optimization	CBOT	2027	-2	60	15,532,910	71,103,341	13,979,619	63,993,007	9,970	9,884
Non-Residential	9	Non-Residential Building Optimization	CBOT	2028	-39	55	7,301,098	78,404,438	6,570,988	70,563,994	9,918	9,954
Non-Residential	9	Non-Residential Building Optimization	CBOT	2029	-12	15	128,016	78,532,454	115,214	70,679,209	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2030	0	7	128,024	78,660,478	115,221	70,794,430	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2031	0	7	128,024	78,788,502	115,221	70,909,651	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2032	0	7	128,031	78,916,533	115,228	71,024,879	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2033	-4	6	48,662	78,965,195	43,796	71,068,675	99	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	8	Non-Residential Small Business Improvement Enhanced	SBI2	2021	8	8	38,077	38,077	33,222	33,222	10	10
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2022	8	16	331,000	369,077	289,111	322,333	98	85
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2023	47	63	1,134,236	1,503,313	905,064	1,227,397	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2024	33	96	2,021,159	3,524,473	1,564,263	2,791,659	99	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2025	0	96	2,021,213	5,545,686	1,564,303	4,355,962	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2026	0	96	2,021,213	7,566,899	1,564,303	5,920,265	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2027	0	96	2,020,127	9,587,026	1,563,282	7,483,547	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2028	-1	96	2,019,808	11,606,834	1,562,995	9,046,542	99	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2029	-9	89	2,014,683	13,621,516	1,558,240	10,604,781	394	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2030	0	86	2,014,737	15,636,253	1,558,279	12,163,061	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2031	-5	86	2,000,826	17,637,079	1,546,128	13,709,189	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2032	-4	81	1,742,730	19,379,809	1,320,916	15,030,105	100	99
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2033	-23	77	1,125,354	20,505,163	836,215	15,866,320	100	100
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2034	-24	43	26,505	20,531,668	20,942	15,887,262	10	10
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2035	0	30	6,828	20,538,496	6,350	15,893,613	6	6
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2036	0	30	6,828	20,545,324	6,350	15,899,963	6	6
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2037	0	30	6,828	20,552,152	6,350	15,906,313	6	6
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2038	0	30	6,828	20,558,980	6,350	15,912,663	6	6
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2039	-1	30	6,569	20,565,549	6,109	15,918,772	6	6
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2040	-2	27	1,881	20,567,430	1,749	15,920,521	2	1
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBI2	2041	-11	27	1,750	20,569,179	1,627	15,922,148	2	1
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2034	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2035	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2036	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2037	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2038	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2039	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2040	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2041	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2042	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2043	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2023	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2024	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2025	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2026	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2027	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2028	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2029	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2030	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2031	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2032	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Building Optimization	CBOT	2033	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2021	315	315	821,790	821,790	718,551	718,551	420	369
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2022	599	914	5,677,506	6,499,296	4,976,782	5,695,333	1,096	1,085
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2023	994	1,908	11,178,503	17,677,800	9,464,495	15,159,828	1,100	1,099
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2024	347	2,255	14,731,561	32,409,361	12,167,706	27,327,535	1,089	1,099
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2025	0	2,255	14,731,749	47,141,110	12,167,843	39,495,377	1,089	1,098
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2026	-48	2,255	14,685,200	61,826,310	12,124,551	51,619,929	1,100	1,098
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2027	-133	2,204	14,475,226	76,301,536	11,929,237	63,549,166	1,100	1,099
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2028	-196	2,055	14,081,959	90,383,496	11,563,536	75,112,702	1,098	1,099
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2029	-56	1,845	13,916,285	104,299,781	11,409,500	86,522,202	1,393	1,097
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2030	-2	1,822	13,915,395	118,215,176	11,408,634	97,930,835	1,100	1,097
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2031	-60	1,820	13,469,725	131,684,901	11,019,555	108,950,390	1,099	1,098
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2032	-107	1,756	9,530,940	141,215,841	7,584,085	116,534,475	1,100	1,098
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2033	-137	1,644	4,801,749	146,017,590	3,684,023	120,218,498	1,100	959
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2034	-81	1,500	629,681	146,647,271	577,332	120,795,830	110	110
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2035	-1	1,435	581,731	147,229,002	541,010	121,336,840	106	105
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2036	0	1,434	581,731	147,810,734	541,010	121,877,850	106	105
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2037	0	1,434	581,731	148,392,465	541,010	122,418,860	106	106
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2038	0	1,434	581,728	148,974,193	541,007	122,959,867	106	105
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2039	-184	1,434	562,759	149,536,953	523,366	123,483,233	106	105
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2040	-338	1,215	365,079	149,902,032	339,524	123,822,757	102	101
Non-Residential	8	Non-Residential Small Business Improvement Enhanced	SBIZ	2041	-666	887	151,104	150,053,135	140,526	123,963,284	102	101
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2022	3	3	503,051	503,051	487,960	487,960	983	974
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2023	8	11	5,273,195	5,776,247	5,115,000	5,602,959	999	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2024	2	13	5,896,249	11,672,496	5,719,362	11,322,321	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2025	0	13	5,896,464	17,568,960	5,719,570	17,041,891	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2026	0	13	5,896,464	23,465,424	5,719,570	22,761,461	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2027	0	13	5,896,678	29,362,102	5,719,778	28,481,239	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2028	0	13	5,896,473	35,258,575	5,719,579	34,200,817	998	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2029	0	13	5,896,250	41,154,825	5,719,362	39,920,180	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2030	0	13	5,895,181	47,050,005	5,718,325	45,638,505	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2031	0	13	5,894,533	52,944,538	5,717,697	51,356,202	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2032	-1	13	5,408,851	58,353,389	5,246,585	56,602,787	1,000	1,000
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2033	-6	12	752,703	59,106,092	730,121	57,332,909	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2034	-2	5	603,561	59,709,652	585,454	57,918,363	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2035	-1	3	601,561	60,311,213	583,514	58,501,877	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2036	0	3	601,582	60,912,796	583,535	59,085,412	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2037	0	3	601,583	61,514,379	583,536	59,668,947	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2038	-1	3	601,473	62,115,852	583,429	60,252,377	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2039	0	2	601,423	62,717,275	583,380	60,835,757	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2040	0	2	601,401	63,318,676	583,359	61,419,115	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2041	0	2	601,421	63,920,097	583,378	62,002,494	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2042	0	2	601,421	64,521,518	583,379	62,585,872	100	100
Non-Residential	9	Non-Residential Agricultural Energy Efficiency	CAGR	2043	-2	2	476,705	64,998,223	462,404	63,048,276	100	100
Non-Residential	9	Non-Residential Building Optimization	CBOT	2022	2	2	129,419	129,419	116,478	116,478	99	100
Non-Residential	9	Non-Residential Building Optimization	CBOT	2023	43	45	8,470,760	8,600,180	7,623,684	7,740,162	8,481	7,633
Non-Residential	9	Non-Residential Building Optimization	CBOT	2024	15	60	15,656,261	24,256,441	14,090,635	21,830,797	9,977	9,874
Non-Residential	9	Non-Residential Building Optimization	CBOT	2025	0	60	15,656,991	39,913,432	14,091,292	35,922,089	9,961	9,992
Non-Residential	9	Non-Residential Building Optimization	CBOT	2026	0	60	15,656,999	55,570,431	14,091,299	50,013,388	9,966	9,997
Non-Residential	9	Non-Residential Building Optimization	CBOT	2027	-2	60	15,532,910	71,103,341	13,979,619	63,993,007	9,970	9,884
Non-Residential	9	Non-Residential Building Optimization	CBOT	2028	-39	55	7,301,098	78,404,438	6,570,988	70,563,994	9,918	9,954
Non-Residential	9	Non-Residential Building Optimization	CBOT	2029	-12	15	128,016	78,532,454	115,214	70,679,209	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2030	0	7	128,024	78,660,478	115,221	70,794,430	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2031	0	7	128,024	78,788,502	115,221	70,909,651	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2032	0	7	128,031	78,916,533	115,228	71,024,879	100	99
Non-Residential	9	Non-Residential Building Optimization	CBOT	2033	-4	6	48,662	78,965,195	43,796	71,068,675	99	99

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					VA							
Program_sector	OSM_Pha	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	9	Non-Residential Prescriptive Enhanced	CNR2	2022	366	366	932,552	932,552	839,297	839,297	584	526
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2023	595	961	19,818,018	20,750,570	17,836,216	18,675,513	9,993	9,989
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2024	15	976	23,198,574	43,949,144	20,878,717	39,554,230	9,986	9,998
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2025	0	976	23,198,612	67,147,757	20,878,751	60,432,981	9,970	9,981
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2026	-5	976	23,148,663	90,296,420	20,833,797	81,266,778	9,926	9,966
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2027	-117	971	22,143,447	112,439,867	19,929,102	101,195,880	9,977	9,959
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2028	-202	843	6,261,391	118,701,258	5,635,252	106,831,132	1,000	1,000
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2029	-7	645	4,143,900	122,845,159	3,729,510	110,560,643	998	992
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2030	-3	644	4,110,137	126,955,295	3,699,123	114,259,766	998	992
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2031	-9	641	2,864,806	129,820,101	2,578,325	116,838,091	995	999
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2032	0	633	2,404,117	132,224,218	2,163,705	119,001,796	995	998
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2033	-1	633	2,404,012	134,628,230	2,163,610	121,165,407	999	995
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2034	0	632	2,402,538	137,030,768	2,162,284	123,327,691	994	998
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2035	-3	632	2,349,014	139,379,782	2,114,113	125,441,804	1,000	998
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2036	-2	627	2,200,074	141,579,856	1,980,067	127,421,871	999	999
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2037	0	627	2,200,074	143,779,931	1,980,067	129,401,938	999	997
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2038	0	627	2,200,074	145,980,005	1,980,067	131,382,004	997	1,000
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2039	-1	626	2,200,073	148,180,078	1,980,066	133,362,070	996	1,000
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2040	-225	626	2,057,661	150,237,739	1,851,895	135,213,965	998	998
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2041	-396	376	675,818	150,913,557	608,237	135,822,201	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2023	259	259	4,305,287	4,305,287	3,874,759	3,874,759	3,694	3,325
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2024	228	487	20,830,880	25,136,167	18,747,792	22,622,551	3,724	3,352
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2025	0	487	20,830,789	45,966,957	18,747,710	41,370,261	3,725	3,353
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2026	0	487	20,830,778	66,797,735	18,747,701	60,117,962	3,726	3,353
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2027	0	487	20,830,694	87,628,429	18,747,625	78,865,586	3,730	3,357
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2028	0	487	20,830,790	108,459,219	18,747,711	97,613,297	3,730	3,357
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2029	0	487	20,830,839	129,290,058	18,747,755	116,361,052	3,725	3,353
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2030	0	487	20,830,785	150,120,843	18,747,707	135,108,759	3,725	3,353
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2031	0	487	20,830,790	170,951,633	18,747,711	153,856,470	3,725	3,353
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2032	0	487	20,830,698	191,782,332	18,747,628	172,604,099	3,727	3,354
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2033	-145	487	19,366,791	211,149,123	17,430,112	190,034,211	3,730	3,357
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2034	-105	281	690,488	211,839,611	621,440	190,655,650	999	987

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					NC							
Program_sector	DSM_Pha	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	9	Non-Residential Prescriptive Enhanced	CNR2	2022	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2023	13	13	1,053	1,053	948	948	5	5
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2024	1	14	22,226	23,279	20,003	20,951	10	10
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2025	0	14	22,226	45,505	20,003	40,955	10	10
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2026	0	14	22,226	67,731	20,003	60,958	10	10
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2027	0	14	22,226	89,958	20,003	80,962	10	10
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2028	-3	14	21,748	111,706	19,573	100,535	10	10
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2029	-1	10	5,407	117,113	4,866	105,401	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2030	0	10	5,407	122,519	4,866	110,267	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2031	0	10	5,407	127,926	4,866	115,134	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2032	0	10	5,407	133,333	4,866	120,000	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2033	0	10	5,407	138,740	4,866	124,866	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2034	0	10	5,407	144,147	4,866	129,732	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2035	0	10	5,407	149,553	4,866	134,598	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2036	0	10	5,407	154,960	4,866	139,464	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2037	0	10	5,407	160,367	4,866	144,330	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2038	0	10	5,407	165,774	4,866	149,197	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2039	0	10	5,407	171,181	4,866	154,063	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2040	0	10	5,407	176,588	4,866	158,929	5	4
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2041	-10	10	4,883	181,471	4,395	163,324	5	4
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2023	5	5	111,954	111,954	100,758	100,758	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2024	14	19	648,039	759,993	583,235	683,994	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2025	0	19	648,036	1,408,029	583,233	1,267,226	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2026	0	19	648,036	2,056,065	583,232	1,850,459	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2027	0	19	648,033	2,704,099	583,230	2,433,689	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2028	0	19	648,036	3,352,135	583,233	3,016,921	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2029	0	19	648,038	4,000,173	583,234	3,600,156	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2030	0	19	648,036	4,648,209	583,233	4,183,388	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2031	0	19	648,036	5,296,245	583,233	4,766,621	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2032	0	19	648,033	5,944,279	583,230	5,349,851	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2033	-3	19	635,589	6,579,868	572,030	5,921,881	100	100
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2034	-1	16	9,702	6,589,570	8,732	5,930,613	76	69

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Appendix L. Incremental and Cumulative Participation, Gross and Net Energy Savings, and Non-coincidental Gross Peak Demand Reductions					Total							
Program_sector	DSM_Pha	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	9	Non-Residential Prescriptive Enhanced	CNR2	2022	366	366	932,552	932,552	839,297	839,297	584	526
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2023	608	974	19,819,071	20,751,623	17,837,164	18,676,461	9,998	9,994
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2024	16	990	23,220,800	43,972,424	20,898,720	39,575,181	9,996	10,008
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2025	0	990	23,220,838	67,193,262	20,898,754	60,473,936	9,980	9,991
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2026	-5	990	23,170,889	90,364,151	20,853,800	81,327,736	9,936	9,975
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2027	-117	985	22,165,673	112,529,824	19,949,106	101,276,842	9,987	9,969
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2028	-205	857	6,283,140	118,812,964	5,654,826	106,931,668	1,010	1,010
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2029	-8	655	4,149,307	122,962,271	3,734,377	110,666,044	1,002	996
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2030	-3	654	4,115,544	127,077,815	3,703,989	114,370,033	1,003	996
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2031	-9	651	2,870,213	129,948,027	2,583,191	116,953,225	1,000	1,003
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2032	0	643	2,409,524	132,357,551	2,168,571	119,121,796	999	1,003
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2033	-1	643	2,409,418	134,766,969	2,168,477	121,290,273	1,003	1,000
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2034	0	642	2,407,945	137,174,914	2,167,150	123,457,423	999	1,002
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2035	-3	642	2,354,421	139,529,336	2,118,979	125,576,402	1,005	1,002
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2036	-2	637	2,205,481	141,734,817	1,984,933	127,561,335	1,003	1,003
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2037	0	637	2,205,481	143,940,298	1,984,933	129,546,268	1,004	1,001
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2038	0	637	2,205,481	146,145,779	1,984,933	131,531,201	1,001	1,004
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2039	-1	636	2,205,480	148,351,259	1,984,932	133,516,133	1,000	1,004
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2040	-225	636	2,063,068	150,414,326	1,856,761	135,372,894	1,003	1,002
Non-Residential	9	Non-Residential Prescriptive Enhanced	CNR2	2041	-406	386	680,702	151,095,028	612,632	135,985,525	105	104
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2023	264	264	4,417,241	4,417,241	3,975,517	3,975,517	3,794	3,425
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2024	242	506	21,478,919	25,896,160	19,331,027	23,306,544	3,824	3,452
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2025	0	506	21,478,826	47,374,986	19,330,943	42,637,487	3,825	3,453
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2026	0	506	21,478,814	68,853,800	19,330,933	61,968,420	3,825	3,453
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2027	0	506	21,478,727	90,332,528	19,330,855	81,299,275	3,830	3,457
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2028	0	506	21,478,826	111,811,354	19,330,943	100,630,218	3,830	3,457
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2029	0	506	21,478,877	133,290,231	19,330,990	119,961,208	3,825	3,453
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2030	0	506	21,478,822	154,769,052	19,330,939	139,292,147	3,825	3,453
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2031	0	506	21,478,826	176,247,879	19,330,944	158,623,091	3,825	3,453
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2032	0	506	21,478,732	197,726,611	19,330,859	177,953,950	3,827	3,454
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2033	-148	506	20,002,380	217,728,991	18,002,142	195,956,091	3,830	3,457
Non-Residential	10	Non-Residential Lighting Systems and Controls	CLT4	2034	-106	297	700,191	218,429,181	630,172	196,586,263	1,076	1,056

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