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May 14 2021

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

Case No. PUR-2019-00201 (Virginia)
Docket No. E-22 Sub 589 (North Carolina)
VOLUME 2 OF 5
PUBLIC VERSION

Date: May 14, 2021
Prepared by DNV Energy Insights USA Inc. (DNV)

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APPENDIX C. PROGRAM TO DATE GROSS ENERGY SAVINGS TABLES FOR VIRGINIA AND NORTH CAROLINA PROGRAMS 2010-2020

C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Program:	**Residential Income & Age Qualifying Home Improvement**
DSM Phase:	**4**
Type:	
Program Life in years	
Starting from 2015:	**14.0**
Starting from 2018:	**15.0**

Table 1 — **Participation**

Year	Month	Program Participants										System
		VA					NC					
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2015	January	0	0	0		0	0	0	0		0	0
2015	February	0	0	0		0	0	0	0		0	0
2015	March	0	0	0		0	0	0	0		0	0
2015	April	0	0	0		0	0	0	0		0	0
2015	May	0	0	0		0	0	0	0		0	0
2015	June	0	0	0		0	0	0	0		0	0
2015	July	0	0	0		0	0	0	0		0	0
2015	August	0	0	0		0	0	0	0		0	0
2015	September	0	0	0		0	0	0	0		0	0
2015	October	44	0	44		44	0	0	0		0	44
2015	November	712	0	756		756	0	0	0		0	756
2015	December	767	0	1,523		1,523	0	0	0		0	1,523
2016	January	114	0	1,637		1,637	0	0	0		0	1,637
2016	February	224	0	1,861		1,861	0	0	0		0	1,861
2016	March	295	0	2,156		2,156	0	0	0		0	2,156
2016	April	544	0	2,700		2,700	0	0	0		0	2,700
2016	May	319	0	3,019		3,019	0	0	0		0	3,019
2016	June	623	0	3,642		3,642	0	0	0		0	3,642
2016	July	638	0	4,280		4,280	20	0	20	20	20	4,300
2016	August	1,891	0	6,171		6,171	12	0	32	32	32	6,203
2016	September	769	0	6,940		6,940	9	0	41	41	41	6,981
2016	October	904	0	7,844		7,844	25	0	66	66	66	7,910
2016	November	1,566	0	9,410		9,410	37	0	103	103	103	9,513
2016	December	516	0	9,926		9,926	54	0	157		157	10,083
2017	January	428	0	10,354		10,354	42	0	199		199	10,553
2017	February	202	0	10,556		10,556	16	0	215		215	10,771
2017	March	737	0	11,293		11,293	12	0	227		227	11,520
2017	April	507	0	11,800		11,800	13	0	240		240	12,040
2017	May	617	0	12,417		12,417	6	0	246		246	12,663
2017	June	585	0	13,002		13,002	4	0	250		250	13,252
2017	July	443	0	13,445		13,445	2	0	252		252	13,697
2017	August	252	0	13,697		13,697	4	0	256		256	13,953
2017	September	101	0	13,798		13,798	2	0	258		258	14,056
2017	October	513	0	14,311		14,311	0	0	258		258	14,569
2017	November	822	0	15,133		15,133	7	0	265		265	15,398
2017	December	763	0	15,896		15,896	22	0	287		287	16,183

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C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January			0		0			0		0	0
2015	February			0		0			0		0	0
2015	March			0		0			0		0	0
2015	April			0		0			0		0	0
2015	May			0		0			0		0	0
2015	June			0		0			0		0	0
2015	July			0		0			0		0	0
2015	August			0		0			0		0	0
2015	September			0		0			0		0	0
2015	October	2,281		2,281		2,281			0		0	2,281
2015	November	53,883		56,164		56,164			0		0	56,164
2015	December	25,855		82,019		82,019			0		0	82,019
2016	January	4,539		86,558		86,558			0		0	86,558
2016	February	6,899		93,457		93,457			0		0	93,457
2016	March	14,316		107,773		107,773			0		0	107,773
2016	April	19,114		126,888		126,888			0		0	126,888
2016	May	9,925		136,812		136,812			0		0	136,812
2016	June	22,148		158,960		158,960			0		0	158,960
2016	July	24,233		183,193		183,193	973		973	973	973	184,166
2016	August	63,722		246,915		246,915	622		1,596	1,596	1,596	248,511
2016	September	30,733		277,648		277,648	544		2,140	2,140	2,140	279,788
2016	October	27,675		305,323		305,323	1,248		3,388	3,388	3,388	308,711
2016	November	56,461		361,784		361,784	2,965		6,353	6,353	6,353	368,136
2016	December	18,193		379,977		379,977	2,512		8,865		8,865	388,842
2017	January	19,367		399,344		399,344	3,447		12,312		12,312	411,657
2017	February	4,908		404,253		404,253	871		13,183		13,183	417,436
2017	March	38,804		443,056		443,056	918		14,101		14,101	457,158
2017	April	18,499		461,555		461,555	594		14,695		14,695	476,250
2017	May	25,937		487,493		487,493	360		15,055		15,055	502,547
2017	June	18,400		505,893		505,893	225		15,279		15,279	521,172
2017	July	11,618		517,510		517,510	152		15,431		15,431	532,941
2017	August	10,035		527,546		527,546	456		15,887		15,887	543,433
2017	September	2,840		530,386		530,386	443		16,330		16,330	546,716
2017	October	15,534		545,920		545,920			16,330		16,330	562,250
2017	November	20,094		566,014		566,014	364		16,693		16,693	582,707
2017	December	17,623		583,637		583,637	1,347		18,040		18,040	601,677

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C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January			0		0			0		0	0			-			-
2015	February			0		0			0		0	0			-			-
2015	March			0		0			0		0	0			-			-
2015	April			0		0			0		0	0			-			-
2015	May			0		0			0		0	0			-			-
2015	June			0		0			0		0	0			-			-
2015	July			0		0			0		0	0			-			-
2015	August			0		0			0		0	0			-			-
2015	September			0		0			0		0	0			-			-
2015	October	3		3		3			0		0	3	52		52	0.06		0.06
2015	November	45		48		48			0		0	48	74		74	0.06		0.06
2015	December	32		80		80			0		0	80	54		54	0.05		0.05
2016	January	5		85		85			0		0	85	53		53	0.05		0.05
2016	February	12		97		97			0		0	97	50		50	0.05		0.05
2016	March	18		115		115			0		0	115	50		50	0.05		0.05
2016	April	25		140		140			0		0	140	47		47	0.05		0.05
2016	May	13		153		153			0		0	153	45		45	0.05		0.05
2016	June	28		181		181			0		0	181	44		44	0.05		0.05
2016	July	30		212		212	1		1	1	1	213	43	49	43	0.05	0.07	0.05
2016	August	87		298		298	1		2	2	2	301	40	50	40	0.05	0.07	0.05
2016	September	35		333		333	1		3	3	3	336	40	52	40	0.05	0.07	0.05
2016	October	38		372		372	2		4	4	4	376	39	51	39	0.05	0.07	0.05
2016	November	84		456		456	3		8	8	8	463	38	62	39	0.05	0.07	0.05
2016	December	22		478		478	3		11		11	489	38	56	39	0.05	0.07	0.05
2017	January	20		498		498	3		14		14	512	39	62	39	0.05	0.07	0.05
2017	February	7		506		506	1		15		15	520	38	61	39	0.05	0.07	0.05
2017	March	37		542		542	1		16		16	558	39	62	40	0.05	0.07	0.05
2017	April	21		563		563	1		17		17	580	39	61	40	0.05	0.07	0.05
2017	May	29		592		592	0		17		17	609	39	61	40	0.05	0.07	0.05
2017	June	22		614		614	0		17		17	631	39	61	39	0.05	0.07	0.05
2017	July	15		629		629	0		17		17	646	38	61	39	0.05	0.07	0.05
2017	August	9		638		638	0		18		18	656	39	62	39	0.05	0.07	0.05
2017	September	4		642		642	0		18		18	659	38	63	39	0.05	0.07	0.05
2017	October	17		658		658			18		18	676	38	63	39	0.05	0.07	0.05
2017	November	27		685		685	0		18		18	703	37	63	38	0.05	0.07	0.05
2017	December	23		707		707	1		20		20	727	37	63	37	0.04	0.07	0.04

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C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2018	January	2	0	15,898		15,898	1	0	288		288	16,186
2018	February	0	0	15,898		15,898	0	0	288		288	16,186
2018	March	0	0	15,898		15,898	0	0	288		288	16,186
2018	April	0	0	15,898		15,898	0	0	288		288	16,186
2018	May	0	0	15,898		15,898	0	0	288		288	16,186
2018	June	0	0	15,898		15,898	0	0	288		288	16,186
2018	July	0	0	15,898		15,898	0	0	288		288	16,186
2018	August	0	0	15,898		15,898	0	0	288		288	16,186
2018	September	75	0	15,973		15,973	0	0	288		288	16,261
2018	October	100	0	16,073		16,073	0	0	288		288	16,361
2018	November	387	0	16,460		16,460	0	0	288		288	16,748
2018	December	577	0	17,037		17,037	0	0	288		288	17,325
2019	January	76	0	17,113		17,113	0	0	288		288	17,401
2019	February	16	0	17,129		17,129	0	0	288		288	17,417
2019	March	16	0	17,145		17,145	0	0	288		288	17,433
2019	April	615	0	17,760		17,760	6	0	294		294	18,054
2019	May	219	0	17,979		17,979	0	0	294		294	18,273
2019	June	734	0	18,713		18,713	25	0	319		319	19,032
2019	July	293	0	19,006		19,006	77	0	396	77	396	19,402
2019	August	435	0	19,441		19,441	4	0	400	81	400	19,841
2019	September	564	0	20,005		20,005	20	0	420	101	420	20,425
2019	October	869	0	20,874		20,874	0	0	420	101	420	21,294
2019	November	1,036	0	21,910		21,910	0	0	420	101	101	22,330
2019	December	1,024	0	22,934		22,934	0	0	420		101	23,354
2020	January	4	0	22,938		22,938	1	0	421		102	23,359
2020	February	426	0	23,364		23,364	1	0	422		103	23,786
2020	March	97	0	23,461		23,461	3	0	425		106	23,886
2020	April	27	0	23,488		23,488	7	0	432		113	23,920
2020	May	1	0	23,489		23,489	1	0	433		114	23,922
2020	June	168	0	23,657		23,657	0	0	433		114	24,090
2020	July	38	0	23,695		23,695	3	0	436		117	24,131
2020	August	7	0	23,702		23,702	0	0	436		117	24,138
2020	September	55	0	23,757		23,757	1	0	437		118	24,194
2020	October	8	0	23,765		23,765	2	0	439		120	24,204
2020	November	120	0	23,885		23,885	0	0	439		120	24,324
2020	December	96	0	23,981		23,981	0	0	439		120	24,420

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C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January	73		583,710		583,710	60		18,100		18,100	601,810
2018	February			583,710		583,710			18,100		18,100	601,810
2018	March			583,710		583,710			18,100		18,100	601,810
2018	April			583,710		583,710			18,100		18,100	601,810
2018	May			583,710		583,710			18,100		18,100	601,810
2018	June			583,710		583,710			18,100		18,100	601,810
2018	July			583,710		583,710			18,100		18,100	601,810
2018	August			583,710		583,710			18,100		18,100	601,810
2018	September	2,148		585,858		585,858			18,100		18,100	603,958
2018	October	4,578		590,436		590,436			18,100		18,100	608,536
2018	November	18,486		608,921		608,921			18,100		18,100	627,022
2018	December	12,030		620,951		620,951			18,100		18,100	639,052
2019	January	1,944		622,896		622,896			18,100		18,100	640,996
2019	February	295		623,191		623,191			18,100		18,100	641,291
2019	March	412		623,602		623,602			18,100		18,100	641,703
2019	April	10,256		633,858		633,858	218		18,318		18,318	652,176
2019	May	4,897		638,756		638,756			18,318		18,318	657,074
2019	June	14,943		653,698		653,698	575		18,893		18,893	672,591
2019	July	5,429		659,127		659,127	3,598		22,490	3,598	22,490	681,617
2019	August	10,674		669,801		669,801	134		22,625	3,732	22,625	692,426
2019	September	10,706		680,507		680,507	882		23,507	4,614	23,507	704,014
2019	October	20,268		700,775		700,775			23,507	4,614	23,507	724,282
2019	November	19,568		720,343		720,343			23,507	4,614	4,614	743,850
2019	December	21,759		742,102		742,102			23,507		4,614	765,609
2020	January	56		742,158		742,158	2		23,509		4,616	765,667
2020	February	7,982		750,139		750,139	54		23,563		4,670	773,702
2020	March	1,923		752,063		752,063	100		23,663		4,770	775,726
2020	April	517		752,580		752,580	301		23,964		5,071	776,544
2020	May	7		752,587		752,587	64		24,028		5,135	776,615
2020	June	2,208		754,795		754,795			24,028		5,135	778,823
2020	July	768		755,563		755,563	57		24,085		5,192	779,648
2020	August	108		755,671		755,671			24,085		5,192	779,756
2020	September	533		756,204		756,204	21		24,106		5,214	780,311
2020	October	203		756,408		756,408	87		24,193		5,301	780,601
2020	November	3,148		759,556		759,556			24,193		5,301	783,749
2020	December	1,156		760,712		760,712			24,193		5,301	784,905

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C.1 Residential Income & Age Qualifying Home Improvement - 2015-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January	0		707		707	0		20		20	727	37	63	37	0.04	0.07	0.04
2018	February			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	March			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	April			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	May			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	June			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	July			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	August			707		707			20		20	727	37	63	37	0.04	0.07	0.04
2018	September	2		710		710			20		20	729	37	63	37	0.04	0.07	0.04
2018	October	3		713		713			20		20	733	37	63	37	0.04	0.07	0.04
2018	November	18		731		731			20		20	751	37	63	37	0.04	0.07	0.04
2018	December	11		742		742			20		20	762	36	63	37	0.04	0.07	0.04
2019	January	3		745		745			20		20	765	36	63	37	0.04	0.07	0.04
2019	February	0		746		746			20		20	765	36	63	37	0.04	0.07	0.04
2019	March	1		746		746			20		20	766	36	63	37	0.04	0.07	0.04
2019	April	26		772		772	1		21		21	793	36	62	36	0.04	0.07	0.04
2019	May	9		782		782			21		21	803	36	62	36	0.04	0.07	0.04
2019	June	21		803		803	2		23		23	825	35	59	35	0.04	0.07	0.04
2019	July	8		811		811	13		35	13	35	846	35	57	35	0.04	0.09	0.04
2019	August	26		836		836	0		36	13	36	872	34	57	35	0.04	0.09	0.04
2019	September	18		854		854	3		39	16	39	893	34	56	34	0.04	0.09	0.04
2019	October	35		889		889			39	16	39	928	34	56	34	0.04	0.09	0.04
2019	November	33		923		923			39	16	16	961	33	56	33	0.04	0.09	0.04
2019	December	49		972		972			39		16	1,010	32	56	33	0.04	0.09	0.04
2020	January	0		972		972	0		39		16	1,011	32	56	33	0.04	0.09	0.04
2020	February	24		996		996	0		39		16	1,034	32	56	33	0.04	0.09	0.04
2020	March	7		1,003		1,003	0		39		17	1,042	32	56	32	0.04	0.09	0.04
2020	April	2		1,005		1,005	1		41		18	1,045	32	55	32	0.04	0.09	0.04
2020	May	0		1,005		1,005	0		41		18	1,046	32	55	32	0.04	0.09	0.04
2020	June	9		1,014		1,014			41		18	1,055	32	55	32	0.04	0.09	0.04
2020	July	2		1,016		1,016	0		41		19	1,057	32	55	32	0.04	0.09	0.04
2020	August	0		1,016		1,016			41		19	1,057	32	55	32	0.04	0.09	0.04
2020	September	2		1,018		1,018	0		41		19	1,059	32	55	32	0.04	0.09	0.04
2020	October	1		1,019		1,019	0		42		19	1,060	32	55	32	0.04	0.09	0.04
2020	November	8		1,027		1,027			42		19	1,068	32	55	32	0.04	0.09	0.04
2020	December	3		1,030		1,030			42		19	1,071	32	55	32	0.04	0.09	0.04

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			1,523		1,523			-		-	1,523
2016			8,403		8,403			157		157	8,560
2017			5,970		5,970			130		130	6,100
2018			1,141		1,141			1		1	1,142
2019			5,897		5,897			132		101	6,029
2020			1,047		1,047			19		19	1,066

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			1,523		1,523			-		-	1,523
2016			8,403		8,403			157		157	8,560
2017			5,970		5,970			130		130	6,100
2018			1,141		1,141			1		1	1,142
2019			5,897		5,897			132		101	6,029
2020			1,047		1,047			19		19	1,066

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2015			1,523					-			1,523
2016			9,926					157			10,083
2017			15,896					287			16,183
2018			15,514					288			15,802
2019			13,008					263			13,271
2020			8,085					152			8,237

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			1,523		1,523			-		-	1,523
2016			9,926		9,926			157		157	10,083
2017			15,896		15,896			287		287	16,183
2018			17,037		17,037			288		288	17,325
2019			22,934		22,934			420		101	23,354
2020			23,981		23,981			439		120	24,420

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2015			1,523					-			1,523
2016			9,926					157			10,083
2017			15,896					287			16,183
2018			17,037					288			17,325
2019			22,934					420			23,354
2020			23,981					439			24,420
2021			23,981					439			24,420
2022			23,981					439			24,420
2023			23,981					439			24,420
2024			23,981					439			24,420
2025			23,981					439			24,420
2026			23,981					439			24,420
2027			23,981					439			24,420
2028			23,981					439			24,420
2029			23,981					439			24,420
2030			23,981					439			24,420
2031			23,981					439			24,420
2032			23,981					439			24,420
2033			23,981					439			24,420
2034			23,981					439			24,420
2035			23,981					439			24,420
2036			23,981					439			24,420

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			140,465		140,465			-		-	140,465
2016			1,481,057		1,481,057			23,315		23,315	1,504,371
2017			1,412,884		1,412,884			76,956		76,956	1,489,840
2018			72,201		72,201			723		723	72,924
2019			517,238		517,238			31,769		30,184	549,006
2020			143,213		143,213			5,528		5,528	148,741

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			984,230		984,230			-		-	984,230
2016			3,575,492		3,575,492			106,379		106,379	3,681,872
2017			2,443,920		2,443,920			110,101		110,101	2,554,021
2018			447,775		447,775			723		723	448,498
2019			1,453,805		1,453,805			64,879		55,369	1,518,684
2020			223,320		223,320			8,237		8,237	231,558

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2015			140,465					-			140,465
2016			2,465,287					23,315			2,488,602
2017			5,972,606					183,336			6,155,942
2018			6,091,614					217,204			6,308,817
2019			3,408,933					142,593			3,551,526
2020			2,044,792					71,131			2,115,923

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			140,465		140,465			0		0	140,465
2016			2,465,287		2,465,287			23,315		23,315	2,488,602
2017			5,972,606		5,972,606			183,336		183,336	6,155,942
2018			7,075,844		7,075,844			217,204		217,204	7,293,048
2019			7,968,655		7,968,655			248,973		211,187	8,217,628
2020			9,048,435		9,048,435			287,611		60,897	9,336,046

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2015			140,465					-			140,465
2016			2,605,752					23,315			2,629,067
2017			8,578,359					206,650			8,785,009
2018			15,654,202					423,854			16,078,057
2019			23,622,858					672,827			24,295,685
2020			32,671,293					960,438			33,631,731
2021			41,799,836					1,250,758			43,050,594
2022			50,928,378					1,541,078			52,469,457
2023			60,056,921					1,831,399			61,888,320
2024			69,185,464					2,121,719			71,307,183
2025			78,314,007					2,412,039			80,726,046
2026			87,442,550					2,702,359			90,144,909
2027			96,571,093					2,992,679			99,563,772
2028			105,699,636					3,283,000			108,982,635
2029			114,687,714					3,573,320			118,261,033
2030			121,350,969					3,840,325			125,191,295
2031			124,506,906					3,947,310			128,454,216
2032			126,631,806					4,021,150			130,652,955
2033			128,684,505					4,094,266			132,778,771
2034			129,844,392					4,135,613			133,980,006
2035			129,924,500					4,138,322			134,062,822
2036			129,924,500					4,138,322			134,062,822

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			80		80			-		-	80	92	-	92	0.05	-	0.05
2016			398		398			11		11	409	176	149	176	0.05	0.07	0.05
2017			229		229			9		9	238	237	592	244	0.04	0.07	0.04
2018			35		35			0		0	35	63	723	64	0.03	0.06	0.03
2019			229		229			19		16	248	88	241	91	0.04	0.14	0.04
2020			58		58			3		3	61	137	291	140	0.06	0.15	0.06

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			80		80			-		-	80	646	-	646	0.05	-	0.05
2016			398		398			11		11	409	426	678	430	0.05	0.07	0.05
2017			229		229			9		9	238	409	847	419	0.04	0.07	0.04
2018			35		35			0		0	35	392	723	393	0.03	0.06	0.03
2019			229		229			19		16	248	247	492	252	0.04	0.14	0.04
2020			58		58			3		3	61	213	434	217	0.06	0.15	0.06

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2015			80					-			80		-			-	
2016			478					11			489		149			0.07	
2017			707					20			727		639			0.07	
2018			662					20			682		754			0.07	
2019			493					28			521		542			0.11	
2020			323					22			344		468			0.14	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			80		80			-		-	80	92	-	92	0.05	-	0.05
2016			478		478			11		11	489	248	149	247	0.05	0.07	0.05
2017			707		707			20		20	727	376	639	380	0.04	0.07	0.04
2018			742		742			20		20	762	415	754	421	0.04	0.07	0.04
2019			972		972			39		16	1,010	347	593	352	0.04	0.09	0.04
2020			1,030		1,030			42		19	1,071	377	655	382	0.04	0.09	0.04

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2015			80					-			80	92	-	92	0.05	-	0.05
2016			478					11			489	263	149	261	0.05	0.07	0.05
2017			707					20			727	540	720	543	0.04	0.07	0.04
2018			742					20			762	919	1,472	928	0.04	0.07	0.04
2019			972					39			1,010	1,030	1,602	1,040	0.04	0.09	0.04
2020			1,030					42			1,071	1,362	2,188	1,377	0.04	0.09	0.04
2021			1,030					42			1,071	1,743	2,849	1,763	0.04	0.09	0.04
2022			1,030					42			1,071	2,124	3,510	2,149	0.04	0.09	0.04
2023			1,030					42			1,071	2,504	4,172	2,534	0.04	0.09	0.04
2024			1,030					42			1,071	2,885	4,833	2,920	0.04	0.09	0.04
2025			1,030					42			1,071	3,266	5,494	3,306	0.04	0.09	0.04
2026			1,030					42			1,071	3,646	6,156	3,691	0.04	0.09	0.04
2027			1,030					42			1,071	4,027	6,817	4,077	0.04	0.09	0.04
2028			1,030					42			1,071	4,408	7,478	4,463	0.04	0.09	0.04
2029			1,030					42			1,071	4,782	8,140	4,843	0.04	0.09	0.04
2030			1,030					42			1,071	5,060	8,748	5,127	0.04	0.09	0.04
2031			1,030					42			1,071	5,192	8,992	5,260	0.04	0.09	0.04
2032			1,030					42			1,071	5,281	9,160	5,350	0.04	0.09	0.04
2033			1,030					42			1,071	5,366	9,326	5,437	0.04	0.09	0.04
2034			1,030					42			1,071	5,414	9,421	5,486	0.04	0.09	0.04
2035			1,030					42			1,071	5,418	9,427	5,490	0.04	0.09	0.04
2036			1,030					42			1,071	5,418	9,427	5,490	0.04	0.09	0.04

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Program:	**Residential Appliance Recycling**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2019:	**8.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2019	January	0	0	0		0	0	0	0		0	0
2019	February	0	0	0		0	0	0	0		0	0
2019	March	0	0	0		0	0	0	0		0	0
2019	April	0	0	0		0	0	0	0		0	0
2019	May	0	0	0		0	0	0	0		0	0
2019	June	0	0	0		0	0	0	0		0	0
2019	July	0	0	0		0	0	0	0		0	0
2019	August	0	0	0		0	0	0	0		0	0
2019	September	252	0	252		252	0	0	0		0	252
2019	October	656	0	908		908	0	0	0		0	908
2019	November	424	0	1,332		1,332	0	0	0		0	1,332
2019	December	247	0	1,579		1,579	0	0	0		0	1,579
2020	January	288	0	1,867		1,867	0	0	0		0	1,867
2020	February	136	0	2,003		2,003	0	0	0		0	2,003
2020	March	125	0	2,128		2,128	0	0	0		0	2,128
2020	April	5	0	2,133		2,133	0	0	0		0	2,133
2020	May	0	0	2,133		2,133	0	0	0		0	2,133
2020	June	0	0	2,133		2,133	0	0	0		0	2,133
2020	July	104	0	2,237		2,237	0	0	0		0	2,237
2020	August	68	0	2,305		2,305	0	0	0		0	2,305
2020	September	33	0	2,338		2,338	0	0	0		0	2,338
2020	October	17	0	2,355		2,355	0	0	0		0	2,355
2020	November	86	0	2,441		2,441	0	0	0		0	2,441
2020	December	110	0	2,551		2,551	0	0	0		0	2,551

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			0		0			0		0	0
2019	February			0		0			0		0	0
2019	March			0		0			0		0	0
2019	April			0		0			0		0	0
2019	May			0		0			0		0	0
2019	June			0		0			0		0	0
2019	July			0		0			0		0	0
2019	August			0		0			0		0	0
2019	September	15,457		15,457		15,457			0		0	15,457
2019	October	40,393		55,850		55,850			0		0	55,850
2019	November	31,325		87,175		87,175			0		0	87,175
2019	December	17,451		104,626		104,626			0		0	104,626
2020	January	24,096		128,722		128,722			0		0	128,722
2020	February	10,056		138,777		138,777			0		0	138,777
2020	March	8,327		147,104		147,104			0		0	147,104
2020	April	159		147,263		147,263			0		0	147,263
2020	May			147,263		147,263			0		0	147,263
2020	June			147,263		147,263			0		0	147,263
2020	July	7,117		154,380		154,380			0		0	154,380
2020	August	3,923		158,303		158,303			0		0	158,303
2020	September	2,642		160,945		160,945			0		0	160,945
2020	October	1,404		162,349		162,349			0		0	162,349
2020	November	6,644		168,992		168,992			0		0	168,992
2020	December	7,975		176,967		176,967			0		0	176,967

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			0		0			0		0	0			-			-
2019	February			0		0			0		0	0			-			-
2019	March			0		0			0		0	0			-			-
2019	April			0		0			0		0	0			-			-
2019	May			0		0			0		0	0			-			-
2019	June			0		0			0		0	0			-			-
2019	July			0		0			0		0	0			-			-
2019	August			0		0			0		0	0			-			-
2019	September	28		28		28			0		0	28	61		61	0.11		0.11
2019	October	73		100		100			0		0	100	62		62	0.11		0.11
2019	November	56		157		157			0		0	157	65		65	0.12		0.12
2019	December	31		188		188			0		0	188	66		66	0.12		0.12
2020	January	43		231		231			0		0	231	69		69	0.12		0.12
2020	February	18		249		249			0		0	249	69		69	0.12		0.12
2020	March	15		264		264			0		0	264	69		69	0.12		0.12
2020	April	0		265		265			0		0	265	69		69	0.12		0.12
2020	May			265		265			0		0	265	69		69	0.12		0.12
2020	June			265		265			0		0	265	69		69	0.12		0.12
2020	July	13		277		277			0		0	277	69		69	0.12		0.12
2020	August	7		284		284			0		0	284	69		69	0.12		0.12
2020	September	5		289		289			0		0	289	69		69	0.12		0.12
2020	October	3		292		292			0		0	292	69		69	0.12		0.12
2020	November	12		304		304			0		0	304	69		69	0.12		0.12
2020	December	14		318		318			0		0	318	69		69	0.12		0.12

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			1,579		1,579			-		-	1,579
2020			972		972			-		-	972

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			1,579		1,579			-		-	1,579
2020			972		972			-		-	972

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2019			1,579					-			1,579
2020			2,551					-			2,551

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			1,579		1,579			-		-	1,579
2020			2,551		2,551			-		-	2,551

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2019			1,579					-			1,579
2020			2,551					-			2,551
2021			2,551					-			2,551
2022			2,551					-			2,551
2023			2,551					-			2,551
2024			2,551					-			2,551
2025			2,551					-			2,551
2026			2,551					-			2,551
2027			2,551					-			2,551
2028			2,551					-			2,551
2029			2,551					-			2,551

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			263,109		263,109			-		-	263,109
2020			582,815		582,815			-		-	582,815

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			1,255,513		1,255,513			-		-	1,255,513
2020			868,091		868,091			-		-	868,091

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2019			263,109					-			263,109
2020			1,838,328					-			1,838,328

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			263,109		263,109			0		0	263,109
2020			1,838,328		1,838,328			0		0	1,838,328

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2019			263,109					-			263,109
2020			2,101,437					-			2,101,437
2021			4,225,041					-			4,225,041
2022			6,348,645					-			6,348,645
2023			8,472,250					-			8,472,250
2024			10,595,854					-			10,595,854
2025			12,719,458					-			12,719,458
2026			14,843,063					-			14,843,063
2027			16,703,559					-			16,703,559
2028			16,988,835					-			16,988,835
2029			16,988,835					-			16,988,835

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Table 2. EM&V Data Incremental by Vintage Year	Gross Peak Demand (kW)											Incremental Energy Savings/Participant Gross kWh/Participant for IRP			Incremental Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			188		188			-		-	188	167	-	167	0.12	-	0.12
2020			130		130			-		-	130	600	-	600	0.13	-	0.13

Table 3. EM&V Data Annualized by Vintage Year	Gross Peak Demand (kW)											Annualized Energy Savings/Participant Gross kWh/Participant for IRP			Annualized Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			188		188			-		-	188	795	-	795	0.12	-	0.12
2020			130		130			-		-	130	893	-	893	0.13	-	0.13

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)	Gross Peak Demand (kW)											PPI Energy Savings/Participant Gross kWh/Participant for IRP			PPI Capacity Savings/Participant Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2019			188					-			188		-			-	
2020			318					-			318		-			-	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)	Gross Peak Demand (kW)											IRP Energy Savings/Participant Gross kWh/Participant			IRP Capacity Savings/Participant Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			188		188			-		-	188	167	-	167	0.12	-	0.12
2020			318		318			-		-	318	721	-	721	0.12	-	0.12

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)	Gross Peak Demand (kW)											IRP Energy Savings/Participant Gross kWh/Participant			IRP Capacity Savings/Participant Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2019			188					-			188	167	-	167	0.12	-	0.12
2020			318					-			318	824	-	824	0.12	-	0.12
2021			318					-			318	1,656	-	1,656	0.12	-	0.12
2022			318					-			318	2,489	-	2,489	0.12	-	0.12
2023			318					-			318	3,321	-	3,321	0.12	-	0.12
2024			318					-			318	4,154	-	4,154	0.12	-	0.12
2025			318					-			318	4,986	-	4,986	0.12	-	0.12
2026			318					-			318	5,819	-	5,819	0.12	-	0.12
2027			318					-			318	6,548	-	6,548	0.12	-	0.12
2028			318					-			318	6,660	-	6,660	0.12	-	0.12
2029			318					-			318	6,660	-	6,660	0.12	-	0.12

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Program:	**Residential Efficient Products Marketplace**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2019:	**16.5**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2019	January	0	0	0		0	0	0	0		0	0
2019	February	0	0	0		0	0	0	0		0	0
2019	March	0	0	0		0	0	0	0		0	0
2019	April	0	0	0		0	0	0	0		0	0
2019	May	0	0	0		0	0	0	0		0	0
2019	June	0	0	0		0	0	0	0		0	0
2019	July	0	0	0		0	0	0	0		0	0
2019	August	145,184	0	145,184		145,184	0	0	0		0	145,184
2019	September	484,071	0	629,255		629,255	0	0	0		0	629,255
2019	October	593,243	0	1,222,498		1,222,498	0	0	0		0	1,222,498
2019	November	640,871	0	1,863,369		1,863,369	0	0	0		0	1,863,369
2019	December	643,896	0	2,507,265		2,507,265	0	0	0		0	2,507,265
2020	January	238,091	0	2,745,356		2,745,356	3,238	0	3,238		3,238	2,748,594
2020	February	207,288	0	2,952,644		2,952,644	4,429	0	7,667		7,667	2,960,311
2020	March	206,900	0	3,159,544		3,159,544	8,236	0	15,903		15,903	3,175,447
2020	April	152,549	0	3,312,094		3,312,094	6,213	0	22,115		22,115	3,334,209
2020	May	224,143	0	3,536,236		3,536,236	10,920	0	33,035		33,035	3,569,271
2020	June	165,230	0	3,701,466		3,701,466	7,010	0	40,045		40,045	3,741,511
2020	July	136,780	0	3,838,247		3,838,247	5,845	0	45,889		45,889	3,884,136
2020	August	191,330	0	4,029,576		4,029,576	8,549	0	54,438		54,438	4,084,014
2020	September	165,629	0	4,195,206		4,195,206	6,680	0	61,118		61,118	4,256,324
2020	October	185,274	0	4,380,479		4,380,479	7,555	0	68,673		68,673	4,449,153
2020	November	266,804	0	4,647,284		4,647,284	9,577	0	78,251		78,251	4,725,534
2020	December	199,382	0	4,846,666		4,846,666	8,242	0	86,493		86,493	4,933,158

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			0		0			0		0	0
2019	February			0		0			0		0	0
2019	March			0		0			0		0	0
2019	April			0		0			0		0	0
2019	May			0		0			0		0	0
2019	June			0		0			0		0	0
2019	July			0		0			0		0	0
2019	August	366,886		366,886		366,886			0		0	366,886
2019	September	1,215,976		1,582,862		1,582,862			0		0	1,582,862
2019	October	1,402,516		2,985,378		2,985,378			0		0	2,985,378
2019	November	1,543,264		4,528,642		4,528,642			0		0	4,528,642
2019	December	1,555,321		6,083,963		6,083,963			0		0	6,083,963
2020	January	661,746		6,745,709		6,745,709	9,225		9,225		9,225	6,754,934
2020	February	605,693		7,351,402		7,351,402	12,359		21,585		21,585	7,372,987
2020	March	607,909		7,959,312		7,959,312	22,513		44,097		44,097	8,003,409
2020	April	445,312		8,404,623		8,404,623	16,054		60,151		60,151	8,464,775
2020	May	652,927		9,057,550		9,057,550	28,356		88,507		88,507	9,146,058
2020	June	484,210		9,541,760		9,541,760	17,944		106,452		106,452	9,648,212
2020	July	404,154		9,945,914		9,945,914	14,422		120,874		120,874	10,066,788
2020	August	547,413		10,493,327		10,493,327	21,779		142,653		142,653	10,635,980
2020	September	487,434		10,980,761		10,980,761	17,301		159,954		159,954	11,140,715
2020	October	537,948		11,518,709		11,518,709	19,833		179,787		179,787	11,698,495
2020	November	769,575		12,288,283		12,288,283	24,810		204,597		204,597	12,492,880
2020	December	561,254		12,849,537		12,849,537	21,027		225,624		225,624	13,075,162

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			0		0			0		0	0			-			-
2019	February			0		0			0		0	0			-			-
2019	March			0		0			0		0	0			-			-
2019	April			0		0			0		0	0			-			-
2019	May			0		0			0		0	0			-			-
2019	June			0		0			0		0	0			-			-
2019	July			0		0			0		0	0			-			-
2019	August	403		403		403			0		0	403	3		3	0.00		0.00
2019	September	1,335		1,738		1,738			0		0	1,738	3		3	0.00		0.00
2019	October	1,540		3,277		3,277			0		0	3,277	2		2	0.00		0.00
2019	November	1,694		4,972		4,972			0		0	4,972	2		2	0.00		0.00
2019	December	1,707		6,679		6,679			0		0	6,679	2		2	0.00		0.00
2020	January	728		7,407		7,407	10		10		10	7,417	2	3	2	0.00	0.00	0.00
2020	February	669		8,076		8,076	14		24		24	8,099	2	3	2	0.00	0.00	0.00
2020	March	671		8,746		8,746	25		48		48	8,794	3	3	3	0.00	0.00	0.00
2020	April	494		9,240		9,240	18		66		66	9,306	3	3	3	0.00	0.00	0.00
2020	May	720		9,960		9,960	31		97		97	10,058	3	3	3	0.00	0.00	0.00
2020	June	536		10,496		10,496	20		117		117	10,613	3	3	3	0.00	0.00	0.00
2020	July	449		10,945		10,945	16		133		133	11,078	3	3	3	0.00	0.00	0.00
2020	August	606		11,551		11,551	24		157		157	11,708	3	3	3	0.00	0.00	0.00
2020	September	545		12,096		12,096	19		176		176	12,272	3	3	3	0.00	0.00	0.00
2020	October	600		12,696		12,696	22		198		198	12,895	3	3	3	0.00	0.00	0.00
2020	November	856		13,553		13,553	28		226		226	13,778	3	3	3	0.00	0.00	0.00
2020	December	626		14,179		14,179	23		249		249	14,428	3	3	3	0.00	0.00	0.00

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			2,507,265		2,507,265			-		-	2,507,265
2020			2,339,401		2,339,401			86,493		86,493	2,425,894

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			2,507,265		2,507,265			-		-	2,507,265
2020			2,339,401		2,339,401			86,493		86,493	2,425,894

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2019			2,507,265					-			2,507,265
2020			4,846,666					86,493			4,933,158

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			2,507,265		2,507,265			-		-	2,507,265
2020			4,846,666		4,846,666			86,493		86,493	4,933,158

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2019			2,507,265					-			2,507,265
2020			4,846,666					86,493			4,933,158
2021			4,846,666					86,493			4,933,158
2022			4,846,666					86,493			4,933,158
2023			4,846,666					86,493			4,933,158
2024			4,846,666					86,493			4,933,158
2025			4,846,666					86,493			4,933,158
2026			4,846,666					86,493			4,933,158
2027			4,846,666					86,493			4,933,158
2028			4,846,666					86,493			4,933,158
2029			4,846,666					86,493			4,933,158
2030			4,846,666					86,493			4,933,158
2031			4,846,666					86,493			4,933,158
2032			4,846,666					86,493			4,933,158
2033			4,846,666					86,493			4,933,158
2034			4,846,666					86,493			4,933,158
2035			4,846,666					86,493			4,933,158
2036			4,846,666					86,493			4,933,158
2037			4,846,666					86,493			4,933,158
2038			4,846,666					86,493			4,933,158

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			15,547,731		15,547,731			-		-	15,547,731
2020			44,129,326		44,129,326			1,363,508		1,363,508	45,492,834

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			73,007,561		73,007,561			-		-	73,007,561
2020			81,186,888		81,186,888			2,707,492		2,707,492	83,894,380

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2019			15,547,731					-			15,547,731
2020			117,136,887					1,363,508			118,500,395

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2019			15,547,731		15,547,731			0		0	15,547,731
2020			117,136,887		117,136,887			1,363,508		1,363,508	118,500,395

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2019			15,547,731					-			15,547,731
2020			132,684,618					1,363,508			134,048,126
2021			286,879,067					4,071,000			290,950,067
2022			441,073,516					6,778,492			447,852,009
2023			595,267,966					9,485,985			604,753,950
2024			749,462,415					12,193,477			761,655,892
2025			903,656,864					14,900,969			918,557,833
2026			1,057,851,313					17,608,461			1,075,459,775
2027			1,212,045,763					20,315,953			1,232,361,716
2028			1,366,240,212					23,023,446			1,389,263,658
2029			1,520,434,661					25,730,938			1,546,165,599
2030			1,674,629,110					28,438,430			1,703,067,540
2031			1,828,823,560					31,145,922			1,859,969,482
2032			1,983,018,009					33,853,415			2,016,871,423
2033			2,137,212,458					36,560,907			2,173,773,365
2034			2,291,406,907					39,268,399			2,330,675,306
2035			2,445,601,357					41,975,891			2,487,577,248
2036			2,544,729,479					44,459,818			2,589,189,296
2037			2,557,057,950					44,899,246			2,601,957,196
2038			2,557,057,950					44,899,246			2,601,957,196

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Table 2. EM&V Data Incremental by Vintage Year	Gross Peak Demand (kW)											Incremental Energy Savings/Participant Gross kWh/Participant for IRP			Incremental Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			6,679		6,679			-		-	6,679	6	-	6	0.00	-	0.00
2020			7,500		7,500			249		249	7,749	19	16	19	0.00	0.00	0.00

Table 3. EM&V Data Annualized by Vintage Year	Gross Peak Demand (kW)											Annualized Energy Savings/Participant Gross kWh/Participant for IRP			Annualized Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			6,679		6,679			-		-	6,679	29	-	29	0.00	-	0.00
2020			7,500		7,500			249		249	7,749	35	31	35	0.00	0.00	0.00

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)	Gross Peak Demand (kW)											PPI Energy Savings/Participant Gross kWh/Participant for IRP			PPI Capacity Savings/Participant Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2019			6,679					-			6,679		-			-	
2020			14,179					249			14,428		16			0.00	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)	Gross Peak Demand (kW)											IRP Energy Savings/Participant Gross kWh/Participant			IRP Capacity Savings/Participant Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2019			6,679		6,679			-		-	6,679	6	-	6	0.00	-	0.00
2020			14,179		14,179			249		249	14,428	24	16	24	0.00	0.00	0.00

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)	Gross Peak Demand (kW)											IRP Energy Savings/Participant Gross kWh/Participant			IRP Capacity Savings/Participant Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2019			6,679					-			6,679	6	-	6	0.00	-	0.00
2020			14,179					249			14,428	27	16	27	0.00	0.00	0.00
2021			14,179					249			14,428	59	47	59	0.00	0.00	0.00
2022			14,179					249			14,428	91	78	91	0.00	0.00	0.00
2023			14,179					249			14,428	123	110	123	0.00	0.00	0.00
2024			14,179					249			14,428	155	141	154	0.00	0.00	0.00
2025			14,179					249			14,428	186	172	186	0.00	0.00	0.00
2026			14,179					249			14,428	218	204	218	0.00	0.00	0.00
2027			14,179					249			14,428	250	235	250	0.00	0.00	0.00
2028			14,179					249			14,428	282	266	282	0.00	0.00	0.00
2029			14,179					249			14,428	314	297	313	0.00	0.00	0.00
2030			14,179					249			14,428	346	329	345	0.00	0.00	0.00
2031			14,179					249			14,428	377	360	377	0.00	0.00	0.00
2032			14,179					249			14,428	409	391	409	0.00	0.00	0.00
2033			14,179					249			14,428	441	423	441	0.00	0.00	0.00
2034			14,179					249			14,428	473	454	472	0.00	0.00	0.00
2035			14,179					249			14,428	505	485	504	0.00	0.00	0.00
2036			14,179					249			14,428	525	514	525	0.00	0.00	0.00
2037			14,179					249			14,428	528	519	527	0.00	0.00	0.00
2038			14,179					249			14,428	528	519	527	0.00	0.00	0.00

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Program:	**Residential Home Energy Assessment**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2020:	**12.4**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	410	0	410		410	0	0	0		0	410
2020	February	147	0	557		557	0	0	0		0	557
2020	March	194	0	751		751	0	0	0		0	751
2020	April	154	0	905		905	2	0	2		2	907
2020	May	62	0	967		967	6	0	8		8	975
2020	June	7	0	974		974	1	0	9		9	983
2020	July	110	0	1,084		1,084	0	0	9		9	1,093
2020	August	192	0	1,276		1,276	0	0	9		9	1,285
2020	September	295	0	1,571		1,571	2	0	11		11	1,582
2020	October	370	0	1,941		1,941	3	0	14		14	1,955
2020	November	467	0	2,408		2,408	1	0	15		15	2,423
2020	December	330	0	2,738		2,738	2	0	17		17	2,755

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January	61,609		61,609		61,609			0		0	61,609
2020	February	24,407		86,017		86,017			0		0	86,017
2020	March	28,697		114,713		114,713			0		0	114,713
2020	April	25,130		139,843		139,843	21		21		21	139,864
2020	May	9,060		148,903		148,903	179		200		200	149,103
2020	June	1,770		150,672		150,672	17		217		217	150,889
2020	July	14,657		165,329		165,329			217		217	165,546
2020	August	26,381		191,710		191,710			217		217	191,927
2020	September	42,723		234,434		234,434	42		258		258	234,692
2020	October	52,068		286,502		286,502	447		705		705	287,206
2020	November	78,989		365,490		365,490	211		916		916	366,407
2020	December	47,898		413,389		413,389	701		1,618		1,618	415,007

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January	46		46		46			0		0	46	150		150	0.11		0.11
2020	February	17		63		63			0		0	63	154		154	0.11		0.11
2020	March	32		95		95			0		0	95	153		153	0.13		0.13
2020	April	22		117		117	0		0		0	117	155	10	154	0.13	0.02	0.13
2020	May	12		129		129	1		1		1	129	154	25	153	0.13	0.09	0.13
2020	June	1		130		130	0		1		1	131	155	24	153	0.13	0.08	0.13
2020	July	15		145		145			1		1	146	153	24	151	0.13	0.08	0.13
2020	August	28		174		174			1		1	174	150	24	149	0.14	0.08	0.14
2020	September	49		223		223	0		1		1	224	149	23	148	0.14	0.07	0.14
2020	October	69		292		292	0		1		1	293	148	50	147	0.15	0.07	0.15
2020	November	69		361		361	0		1		1	362	152	61	151	0.15	0.07	0.15
2020	December	50		411		411	0		1		1	413	151	95	151	0.15	0.08	0.15

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,738		2,738			17		17	2,755

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,738		2,738			17		17	2,755

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2020			2,738					17			2,755

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,738		2,738			17		17	2,755

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2020			2,738					17			2,755
2021			2,738					17			2,755
2022			2,738					17			2,755
2023			2,738					17			2,755
2024			2,738					17			2,755
2025			2,738					17			2,755
2026			2,738					17			2,755
2027			2,738					17			2,755
2028			2,738					17			2,755
2029			2,738					17			2,755
2030			2,738					17			2,755
2031			2,738					17			2,755
2032			2,738					17			2,755
2033			2,738					17			2,755
2034			2,738					17			2,755

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,358,611		2,358,611			4,368		4,368	2,362,979

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			4,960,666		4,960,666			19,413		19,413	4,980,079

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2020			2,358,611					4,368			2,362,979

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,358,611		2,358,611			4,368		4,368	2,362,979

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2020			2,358,611					4,368			2,362,979
2021			7,319,277					23,780			7,343,058
2022			12,279,944					43,193			12,323,137
2023			17,240,610					62,606			17,303,216
2024			22,201,276					82,019			22,283,295
2025			27,161,943					101,431			27,263,374
2026			32,122,609					120,844			32,243,453
2027			37,083,275					140,257			37,223,532
2028			42,043,942					159,669			42,203,611
2029			47,004,608					179,082			47,183,690
2030			51,965,274					198,495			52,163,769
2031			56,925,941					217,908			57,143,848
2032			61,184,850					236,883			61,421,733
2033			62,008,329					242,659			62,250,988
2034			62,008,329					242,659			62,250,988

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			411		411			1		1	413	861	257	858	0.15	0.08	0.15

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			411		411			1		1	413	1,812	1,142	1,808	0.15	0.08	0.15

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2020			411					1			413		257			0.08	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			411		411			1		1	413	861	257	858	0.15	0.08	0.15

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2020			411					1			413	861	257	858	0.15	0.08	0.15
2021			411					1			413	2,673	1,399	2,665	0.15	0.08	0.15
2022			411					1			413	4,485	2,541	4,473	0.15	0.08	0.15
2023			411					1			413	6,297	3,683	6,281	0.15	0.08	0.15
2024			411					1			413	8,109	4,825	8,088	0.15	0.08	0.15
2025			411					1			413	9,920	5,967	9,896	0.15	0.08	0.15
2026			411					1			413	11,732	7,108	11,704	0.15	0.08	0.15
2027			411					1			413	13,544	8,250	13,511	0.15	0.08	0.15
2028			411					1			413	15,356	9,392	15,319	0.15	0.08	0.15
2029			411					1			413	17,167	10,534	17,127	0.15	0.08	0.15
2030			411					1			413	18,979	11,676	18,934	0.15	0.08	0.15
2031			411					1			413	20,791	12,818	20,742	0.15	0.08	0.15
2032			411					1			413	22,347	13,934	22,295	0.15	0.08	0.15
2033			411					1			413	22,647	14,274	22,596	0.15	0.08	0.15
2034			411					1			413	22,647	14,274	22,596	0.15	0.08	0.15

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Program:	**Non-residential Lighting Systems & Controls**
DSM Phase:	**3**
Type:	
Program Life in years	
Starting from 2014:	**9.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2014	January	0	0	0		0	0	0	0		0	0
2014	February	0	0	0		0	0	0	0		0	0
2014	March	0	0	0		0	0	0	0		0	0
2014	April	0	0	0		0	0	0	0		0	0
2014	May	0	0	0		0	0	0	0		0	0
2014	June	0	0	0		0	0	0	0		0	0
2014	July	0	0	0		0	0	0	0		0	0
2014	August	0	0	0		0	0	0	0		0	0
2014	September	0	0	0		0	0	0	0		0	0
2014	October	14	0	14		14	0	0	0		0	14
2014	November	63	0	77		77	0	0	0		0	77
2014	December	41	0	118		118	0	0	0		0	118
2015	January	50	0	168		168	0	0	0		0	168
2015	February	48	0	216		216	0	0	0		0	216
2015	March	68	0	284		284	0	0	0		0	284
2015	April	71	0	355		355	1	0	1		1	356
2015	May	112	0	467		467	0	0	1		1	468
2015	June	110	0	577		577	1	0	2		2	579
2015	July	78	0	655		655	0	0	2		2	657
2015	August	127	0	782		782	0	0	2		2	784
2015	September	278	0	1,060		1,060	3	0	5		5	1,065
2015	October	162	0	1,222		1,222	5	0	10		10	1,232
2015	November	62	0	1,284		1,284	1	0	11		11	1,295
2015	December	75	0	1,359		1,359	2	0	13		13	1,372
2016	January	104	0	1,463		1,463	1	0	14		14	1,477
2016	February	53	0	1,516		1,516	1	0	15		15	1,531
2016	March	113	0	1,629		1,629	2	0	17		17	1,646
2016	April	71	0	1,700		1,700	1	0	18		18	1,718
2016	May	124	0	1,824		1,824	0	0	18		18	1,842
2016	June	160	0	1,984		1,984	10	0	28		28	2,012
2016	July	141	0	2,125		2,125	1	0	29	1	29	2,154
2016	August	139	0	2,264		2,264	16	0	45	17	45	2,309
2016	September	66	0	2,330		2,330	1	0	46	18	46	2,376
2016	October	74	0	2,404		2,404	5	0	51	23	51	2,455
2016	November	92	0	2,496		2,496	2	0	53	25	25	2,549
2016	December	66	0	2,562		2,562	3	0	56		28	2,618

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C.5 Non-residential Lighting Systems & Controls (DSM III) - 2014-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2014	January			0		0			0		0	0
2014	February			0		0			0		0	0
2014	March			0		0			0		0	0
2014	April			0		0			0		0	0
2014	May			0		0			0		0	0
2014	June			0		0			0		0	0
2014	July			0		0			0		0	0
2014	August			0		0			0		0	0
2014	September			0		0			0		0	0
2014	October	22,981		22,981		22,981			0		0	22,981
2014	November	167,666		190,647		190,647			0		0	190,647
2014	December	205,161		395,808		395,808			0		0	395,808
2015	January	80,379		476,187		476,187			0		0	476,187
2015	February	146,110		622,297		622,297			0		0	622,297
2015	March	325,407		947,704		947,704			0		0	947,704
2015	April	290,147		1,237,852		1,237,852	2,694		2,694		2,694	1,240,546
2015	May	482,242		1,720,093		1,720,093			2,694		2,694	1,722,788
2015	June	850,558		2,570,651		2,570,651			2,694		2,694	2,573,345
2015	July	227,073		2,797,724		2,797,724			2,694		2,694	2,800,419
2015	August	285,585		3,083,310		3,083,310			2,694		2,694	3,086,004
2015	September	415,700		3,499,010		3,499,010	9,884		12,578		12,578	3,511,588
2015	October	640,872		4,139,881		4,139,881	29,860		42,438		42,438	4,182,320
2015	November	178,091		4,317,972		4,317,972	1,200		43,638		43,638	4,361,611
2015	December	313,507		4,631,480		4,631,480	3,389		47,027		47,027	4,678,507
2016	January	361,959		4,993,439		4,993,439	998		48,025		48,025	5,041,463
2016	February	245,750		5,239,189		5,239,189	3,139		51,164		51,164	5,290,353
2016	March	413,500		5,652,689		5,652,689	75,876		127,040		127,040	5,779,729
2016	April	270,437		5,923,126		5,923,126	20,554		147,595		147,595	6,070,720
2016	May	388,209		6,311,334		6,311,334			147,595		147,595	6,458,929
2016	June	772,155		7,083,490		7,083,490	21,923		169,518		169,518	7,253,007
2016	July	598,731		7,682,221		7,682,221	7,076		176,594	7,076	176,594	7,858,815
2016	August	702,986		8,385,207		8,385,207	71,923		248,517	78,999	248,517	8,633,724
2016	September	391,390		8,776,597		8,776,597	4,747		253,263	83,746	253,263	9,029,860
2016	October	370,591		9,147,187		9,147,187	27,580		280,843	111,326	280,843	9,428,031
2016	November	673,164		9,820,351		9,820,351	12,250		293,093	123,575	123,575	10,113,445
2016	December	300,877		10,121,228		10,121,228	31,728		324,821		155,303	10,446,049

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2014	January			0		0			0		0	0			-			-
2014	February			0		0			0		0	0			-			-
2014	March			0		0			0		0	0			-			-
2014	April			0		0			0		0	0			-			-
2014	May			0		0			0		0	0			-			-
2014	June			0		0			0		0	0			-			-
2014	July			0		0			0		0	0			-			-
2014	August			0		0			0		0	0			-			-
2014	September			0		0			0		0	0			-			-
2014	October	59		59		59			0		0	59	1,641		1,641	4.21		4.21
2014	November	421		480		480			0		0	480	2,476		2,476	6.24		6.24
2014	December	518		998		998			0		0	998	3,354		3,354	8.46		8.46
2015	January	196		1,194		1,194			0		0	1,194	2,834		2,834	7.11		7.11
2015	February	380		1,574		1,574			0		0	1,574	2,881		2,881	7.29		7.29
2015	March	938		2,512		2,512			0		0	2,512	3,337		3,337	8.85		8.85
2015	April	712		3,225		3,225	7		7		7	3,232	3,487	2,694	3,485	9.08	7.13	9.08
2015	May	1,201		4,426		4,426			7		7	4,433	3,683	2,694	3,681	9.48	7.13	9.47
2015	June	2,167		6,592		6,592			7		7	6,600	4,455	1,347	4,444	11.43	3.56	11.40
2015	July	563		7,156		7,156			7		7	7,163	4,271	1,347	4,262	10.92	3.56	10.90
2015	August	659		7,815		7,815			7		7	7,822	3,943	1,347	3,936	9.99	3.56	9.98
2015	September	961		8,776		8,776	22		29		29	8,806	3,301	2,516	3,297	8.28	5.82	8.27
2015	October	1,591		10,367		10,367	65		94		94	10,461	3,388	4,244	3,395	8.48	9.41	8.49
2015	November	420		10,787		10,787	3		97		97	10,884	3,363	3,967	3,368	8.40	8.80	8.40
2015	December	885		11,673		11,673	8		105		105	11,777	3,408	3,617	3,410	8.59	8.05	8.58
2016	January	1,059		12,732		12,732	3		107		107	12,839	3,413	3,430	3,413	8.70	7.67	8.69
2016	February	768		13,500		13,500	9		116		116	13,616	3,456	3,411	3,455	8.90	7.76	8.89
2016	March	1,148		14,648		14,648	224		340		340	14,988	3,470	7,473	3,511	8.99	20.02	9.11
2016	April	751		15,398		15,398	61		401		401	15,800	3,484	8,200	3,534	9.06	22.29	9.20
2016	May	1,083		16,481		16,481			401		401	16,882	3,460	8,200	3,506	9.04	22.29	9.17
2016	June	2,125		18,606		18,606	51		453		453	19,059	3,570	6,054	3,605	9.38	16.16	9.47
2016	July	1,745		20,351		20,351	20		473	20	473	20,824	3,615	6,089	3,648	9.58	16.30	9.67
2016	August	1,889		22,240		22,240	161		633	181	633	22,873	3,704	5,523	3,739	9.82	14.08	9.91
2016	September	1,122		23,362		23,362	13		646	194	646	24,008	3,767	5,506	3,800	10.03	14.05	10.10
2016	October	992		24,353		24,353	82		728	275	728	25,081	3,805	5,507	3,840	10.13	14.28	10.22
2016	November	1,870		26,223		26,223	40		768	316	316	26,991	3,934	5,530	3,968	10.51	14.50	10.59
2016	December	830		27,053		27,053	79		848		395	27,900	3,951	5,800	3,990	10.56	15.14	10.66

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2017	January	81	0	2,643		2,643	1	0	57		29	2,700
2017	February	78	0	2,721		2,721	1	0	58		30	2,779
2017	March	86	0	2,807		2,807	2	0	60		32	2,867
2017	April	81	0	2,888		2,888	5	0	65		37	2,953
2017	May	87	0	2,975		2,975	6	0	71		43	3,046
2017	June	78	0	3,053		3,053	0	0	71		43	3,124
2017	July	66	0	3,119		3,119	0	0	71		43	3,190
2017	August	77	0	3,196		3,196	1	0	72		44	3,268
2017	September	64	0	3,260		3,260	3	0	75		47	3,335
2017	October	78	0	3,338		3,338	3	0	78		50	3,416
2017	November	57	0	3,395		3,395	1	0	79		51	3,474
2017	December	35	0	3,430		3,430	0	0	79		51	3,509
2018	January	13	0	3,443		3,443	0	0	79		51	3,522
2018	February	60	0	3,503		3,503	2	0	81		53	3,584
2018	March	32	0	3,535		3,535	13	0	94		66	3,629
2018	April	22	0	3,557		3,557	5	0	99		71	3,656
2018	May	40	0	3,597		3,597	5	0	104		76	3,701
2018	June	47	0	3,644		3,644	6	0	110		82	3,754
2018	July	48	0	3,692		3,692	3	0	113		85	3,805
2018	August	64	0	3,756		3,756	0	0	113		85	3,869
2018	September	66	0	3,822		3,822	0	0	113		85	3,935
2018	October	134	0	3,956		3,956	4	0	117		89	4,073
2018	November	47	0	4,003		4,003	0	0	117		89	4,120
2018	December	76	0	4,079		4,079	5	0	122		94	4,201
2019	January	161	0	4,240		4,240	0	0	122		94	4,362
2019	February	176	0	4,416		4,416	12	0	134		106	4,550
2019	March	85	0	4,501		4,501	14	0	148		120	4,649
2019	April	0	0	4,501		4,501	5	0	153		125	4,654
2019	May	0	0	4,501		4,501	7	0	160		132	4,661
2019	June	0	0	4,501		4,501	2	0	162		134	4,663
2019	July	0	0	4,501		4,501	4	0	166	4	138	4,667
2019	August	0	0	4,501		4,501	0	0	166	4	138	4,667
2019	September	0	0	4,501		4,501	4	0	170	8	142	4,671
2019	October	0	0	4,501		4,501	3	0	173	11	145	4,674
2019	November	0	0	4,501		4,501	10	0	183	21	21	4,684
2019	December	0	0	4,501		4,501	1	0	184		22	4,685

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2017	January	568,424		10,689,652		10,689,652	6,189		331,010		161,492	11,020,662
2017	February	390,893		11,080,545		11,080,545	4,104		335,113		165,596	11,415,658
2017	March	618,426		11,698,970		11,698,970	13,538		348,651		179,133	12,047,621
2017	April	488,200		12,187,171		12,187,171	23,563		372,214		202,696	12,559,385
2017	May	434,562		12,621,733		12,621,733	42,857		415,071		245,553	13,036,804
2017	June	321,486		12,943,219		12,943,219			415,071		245,553	13,358,290
2017	July	260,316		13,203,535		13,203,535			415,071		245,553	13,618,606
2017	August	541,903		13,745,438		13,745,438	10,799		425,870		256,352	14,171,308
2017	September	582,455		14,327,893		14,327,893	40,047		465,916		296,399	14,793,809
2017	October	796,336		15,124,229		15,124,229	2,105		468,021		298,503	15,592,250
2017	November	640,836		15,765,066		15,765,066	1,582		469,603		300,085	16,234,669
2017	December	274,880		16,039,946		16,039,946	61		469,664		300,147	16,509,610
2018	January	77,471		16,117,416		16,117,416			469,664		300,147	16,587,081
2018	February	334,509		16,451,925		16,451,925	39,026		508,691		339,173	16,960,616
2018	March	233,028		16,684,953		16,684,953	24,660		533,351		363,833	17,218,304
2018	April	101,148		16,786,101		16,786,101	2,760		536,111		366,594	17,322,212
2018	May	421,552		17,207,652		17,207,652	2,968		539,079		369,561	17,746,731
2018	June	296,376		17,504,028		17,504,028	6,058		545,137		375,619	18,049,165
2018	July	308,830		17,812,858		17,812,858	64,427		609,563		440,045	18,422,422
2018	August	226,673		18,039,531		18,039,531			609,563		440,045	18,649,094
2018	September	301,155		18,340,687		18,340,687			609,563		440,045	18,950,250
2018	October	607,007		18,947,693		18,947,693	11,327		620,890		451,373	19,568,584
2018	November	307,980		19,255,673		19,255,673			620,890		451,373	19,876,563
2018	December	547,401		19,803,074		19,803,074	279,781		900,671		731,153	20,703,745
2019	January	1,006,381		20,809,455		20,809,455			900,671		731,153	21,710,126
2019	February	1,690,988		22,500,443		22,500,443	36,698		937,369		767,851	23,437,811
2019	March	801,707		23,302,150		23,302,150	63,889		1,001,258		831,740	24,303,408
2019	April			23,302,150		23,302,150	65,700		1,066,958		897,440	24,369,108
2019	May			23,302,150		23,302,150	27,589		1,094,547		925,030	24,396,697
2019	June			23,302,150		23,302,150	7,993		1,102,540		933,022	24,404,689
2019	July			23,302,150		23,302,150	23,455		1,125,995	23,455	956,477	24,428,145
2019	August			23,302,150		23,302,150	501		1,126,496	23,956	956,978	24,428,645
2019	September			23,302,150		23,302,150	5,340		1,131,835	29,296	962,318	24,433,985
2019	October			23,302,150		23,302,150	11,620		1,143,455	40,916	973,938	24,445,605
2019	November			23,302,150		23,302,150	6,401		1,149,857	47,317	47,317	24,452,006
2019	December			23,302,150		23,302,150	3,317		1,153,174		50,634	24,455,323

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2017	January	1,113		28,165		28,165	0		848		395	29,013	4,045	5,807	4,082	10.66	14.87	10.75
2017	February	805		28,971		28,971	0		848		395	29,818	4,072	5,778	4,108	10.65	14.62	10.73
2017	March	1,189		30,159		30,159	36		884		431	31,043	4,168	5,811	4,202	10.74	14.73	10.83
2017	April	948		31,108		31,108	55		939		486	32,047	4,220	5,726	4,253	10.77	14.45	10.85
2017	May	873		31,981		31,981	116		1,055		603	33,036	4,243	5,846	4,280	10.75	14.86	10.85
2017	June	505		32,486		32,486			1,055		603	33,541	4,240	5,846	4,276	10.64	14.86	10.74
2017	July	461		32,947		32,947			1,055		603	34,003	4,233	5,846	4,269	10.56	14.86	10.66
2017	August	964		33,911		33,911	22		1,077		625	34,988	4,301	5,915	4,336	10.61	14.96	10.71
2017	September	1,225		35,136		35,136	94		1,171		719	36,307	4,395	6,212	4,436	10.78	15.62	10.89
2017	October	1,649		36,785		36,785	7		1,178		726	37,963	4,531	6,000	4,564	11.02	15.11	11.11
2017	November	1,537		38,322		38,322	4		1,182		730	39,505	4,644	5,944	4,673	11.29	14.97	11.37
2017	December	689		39,011		39,011	0		1,182		730	40,193	4,676	5,945	4,705	11.37	14.97	11.45
2018	January	134		39,144		39,144			1,182		730	40,327	4,681	5,945	4,710	11.37	14.97	11.45
2018	February	625		39,770		39,770	92		1,274		822	41,044	4,697	6,280	4,732	11.35	15.73	11.45
2018	March	271		40,041		40,041	63		1,337		885	41,378	4,720	5,674	4,745	11.33	14.23	11.40
2018	April	144		40,185		40,185	5		1,342		889	41,528	4,719	5,415	4,738	11.30	13.56	11.36
2018	May	952		41,137		41,137	4		1,346		893	42,483	4,784	5,183	4,795	11.44	12.94	11.48
2018	June	499		41,636		41,636	7		1,353		901	42,989	4,804	4,956	4,808	11.43	12.30	11.45
2018	July	551		42,187		42,187	158		1,512		1,059	43,699	4,825	5,394	4,842	11.43	13.38	11.48
2018	August	442		42,629		42,629			1,512		1,059	44,141	4,803	5,394	4,820	11.35	13.38	11.41
2018	September	608		43,237		43,237			1,512		1,059	44,749	4,799	5,394	4,816	11.31	13.38	11.37
2018	October	1,329		44,566		44,566	20		1,532		1,079	46,098	4,790	5,307	4,804	11.27	13.09	11.32
2018	November	510		45,076		45,076			1,532		1,079	46,607	4,810	5,307	4,824	11.26	13.09	11.31
2018	December	1,157		46,233		46,233	761		2,292		1,840	48,525	4,855	7,383	4,928	11.33	18.79	11.55
2019	January	1,947		48,180		48,180			2,292		1,840	50,473	4,908	7,383	4,977	11.36	18.79	11.57
2019	February	2,408		50,589		50,589	58		2,350		1,898	52,939	5,095	6,995	5,151	11.46	17.54	11.63
2019	March	1,282		51,871		51,871	174		2,524		2,071	54,395	5,177	6,765	5,228	11.52	17.05	11.70
2019	April			51,871		51,871	169		2,693		2,240	54,563	5,177	6,974	5,236	11.52	17.60	11.72
2019	May			51,871		51,871	66		2,758		2,306	54,629	5,177	6,841	5,234	11.52	17.24	11.72
2019	June			51,871		51,871	13		2,772		2,319	54,642	5,177	6,806	5,234	11.52	17.11	11.72
2019	July			51,871		51,871	65		2,836	65	2,384	54,707	5,177	6,783	5,234	11.52	17.09	11.72
2019	August			51,871		51,871	1		2,838	66	2,385	54,708	5,177	6,786	5,234	11.52	17.09	11.72
2019	September			51,871		51,871	6		2,844	73	2,392	54,715	5,177	6,658	5,231	11.52	16.73	11.71
2019	October			51,871		51,871	27		2,872	100	2,419	54,742	5,177	6,610	5,230	11.52	16.60	11.71
2019	November			51,871		51,871	15		2,887	115	115	54,757	5,177	6,283	5,220	11.52	15.77	11.69
2019	December			51,871		51,871	0		2,887		115	54,757	5,177	6,267	5,220	11.52	15.69	11.69

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	4,501		4,501	0	0	184		22	4,685
2020	February	0	0	4,501		4,501	5	0	189		27	4,690
2020	March	0	0	4,501		4,501	12	0	201		39	4,702
2020	April	0	0	4,501		4,501	0	0	201		39	4,702
2020	May	0	0	4,501		4,501	0	0	201		39	4,702
2020	June	0	0	4,501		4,501	0	0	201		39	4,702
2020	July	0	0	4,501		4,501	0	0	201		39	4,702
2020	August	0	0	4,501		4,501	0	0	201		39	4,702
2020	September	0	0	4,501		4,501	0	0	201		39	4,702
2020	October	0	0	4,501		4,501	0	0	201		39	4,702
2020	November	0	0	4,501		4,501	0	0	201		39	4,702
2020	December	0	0	4,501		4,501	0	0	201		39	4,702

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			23,302,150		23,302,150	1,876		1,155,049		52,510	24,457,199
2020	February			23,302,150		23,302,150	20,217		1,175,266		72,726	24,477,416
2020	March			23,302,150		23,302,150	28,060		1,203,326		100,786	24,505,476
2020	April			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	May			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	June			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	July			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	August			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	September			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	October			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	November			23,302,150		23,302,150			1,203,326		100,786	24,505,476
2020	December			23,302,150		23,302,150			1,203,326		100,786	24,505,476

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			51,871		51,871	7		2,894		122	54,764	5,177	6,277	5,220	11.52	15.73	11.69
2020	February			51,871		51,871	41		2,935		163	54,805	5,177	6,218	5,219	11.52	15.53	11.69
2020	March			51,871		51,871	47		2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	April			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	May			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	June			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	July			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	August			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	September			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	October			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	November			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67
2020	December			51,871		51,871			2,981		210	54,852	5,177	5,987	5,212	11.52	14.83	11.67

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			118		118			-		-	118
2015			1,241		1,241			13		13	1,254
2016			1,203		1,203			43		28	1,246
2017			868		868			23		23	891
2018			649		649			43		43	692
2019			422		422			62		22	484
2020			-		-			17		17	17

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			118		118			-		-	118
2015			1,241		1,241			13		13	1,254
2016			1,203		1,203			43		28	1,246
2017			868		868			23		23	891
2018			649		649			43		43	692
2019			422		422			62		22	484
2020			-		-			17		17	17

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2014			118					-			118
2015			1,359					13			1,372
2016			2,562					56			2,618
2017			3,312					79			3,391
2018			2,720					109			2,829
2019			1,939					128			2,067
2020			1,071					122			1,193

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			118		118			-		-	118
2015			1,359		1,359			13		13	1,372
2016			2,562		2,562			56		28	2,618
2017			3,430		3,430			79		51	3,509
2018			4,079		4,079			122		94	4,201
2019			4,501		4,501			184		22	4,685
2020			4,501		4,501			201		39	4,702

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2014			118					-			118
2015			1,359					13			1,372
2016			2,562					56			2,618
2017			3,430					79			3,509
2018			4,079					122			4,201
2019			4,501					184			4,685
2020			4,501					201			4,702
2021			4,501					201			4,702
2022			4,501					201			4,702
2023			4,501					201			4,702
2024			4,501					201			4,702
2025			4,501					201			4,702
2026			4,501					201			4,702
2027			4,501					201			4,702
2028			4,501					201			4,702
2029			4,501					201			4,702
2030			4,501					201			4,702

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			609,435		609,435			-		-	609,435
2015			25,294,469		25,294,469			159,154		159,154	25,453,623
2016			33,558,302		33,558,302			1,703,743		1,458,762	35,262,045
2017			37,972,659		37,972,659			1,033,422		1,033,422	39,006,081
2018			20,472,245		20,472,245			1,467,200		1,467,200	21,939,444
2019			38,694,506		38,694,506			2,126,105		1,722,367	40,820,610
2020			-		-			525,493		525,493	525,493

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			4,749,693		4,749,693			-		-	4,749,693
2015			50,828,062		50,828,062			564,326		564,326	51,392,388
2016			65,876,985		65,876,985			3,333,527		1,863,641	69,210,512
2017			71,024,607		71,024,607			1,738,121		1,738,121	72,762,728
2018			45,157,541		45,157,541			5,172,076		5,172,076	50,329,617
2019			41,988,907		41,988,907			3,030,032		607,605	45,018,940
2020			-		-			601,830		601,830	601,830

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2014			609,435					-			609,435
2015			30,044,162					159,154			30,203,316
2016			89,136,057					2,268,069			91,404,126
2017			154,677,706					4,931,275			159,608,981
2018			157,373,837					6,538,848			163,912,685
2019			154,876,654					9,036,301			163,912,955
2020			87,146,448					8,727,601			95,874,050

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			609,435		609,435			0		0	609,435
2015			30,044,162		30,044,162			159,154		159,154	30,203,316
2016			89,136,057		89,136,057			2,268,069		1,929,033	91,404,126
2017			159,427,398		159,427,398			4,931,275		2,897,063	164,358,673
2018			212,951,591		212,951,591			7,103,174		5,068,962	220,054,765
2019			276,331,393		276,331,393			12,934,154		9,033,898	289,265,548
2020			279,625,795		279,625,795			14,363,575		1,133,098	293,989,370

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2014			609,435					-			609,435
2015			30,653,597					159,154			30,812,751
2016			119,789,654					2,427,223			122,216,876
2017			279,217,052					7,358,498			286,575,550
2018			492,168,643					14,461,671			506,630,315
2019			768,500,037					27,395,826			795,895,863
2020			1,048,125,832					41,759,401			1,089,885,233
2021			1,327,751,627					56,199,312			1,383,950,940
2022			1,607,377,422					70,639,224			1,678,016,646
2023			1,886,393,782					85,079,136			1,971,472,918
2024			2,135,975,415					99,359,894			2,235,335,309
2025			2,326,465,154					111,531,736			2,437,996,890
2026			2,446,663,550					121,040,373			2,567,703,923
2027			2,513,337,754					128,377,111			2,641,714,865
2028			2,516,632,155					129,882,868			2,646,515,024
2029			2,516,632,155					129,959,205			2,646,591,360
2030			2,516,632,155					129,959,205			2,646,591,360

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			998		998			-		-	998	5,165	-	5,165	8.46	-	8.46
2015			10,674		10,674			105		105	10,779	20,382	12,243	20,298	8.60	8.05	8.60
2016			15,380		15,380			743		395	16,123	27,896	39,622	28,300	12.78	17.28	12.94
2017			11,958		11,958			335		335	12,293	43,747	44,931	43,778	13.78	14.55	13.80
2018			7,222		7,222			1,110		1,110	8,332	31,544	34,121	31,704	11.13	25.81	12.04
2019			5,638		5,638			594		115	6,232	91,693	34,292	84,340	13.36	9.58	12.88
2020			-		-			95		95	95	-	30,911	30,911	-	5.58	5.58

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			998		998			-		-	998	40,252	-	40,252	8.46	-	8.46
2015			10,674		10,674			105		105	10,779	40,957	43,410	40,983	8.60	8.05	8.60
2016			15,380		15,380			743		395	16,123	54,761	77,524	55,546	12.78	17.28	12.94
2017			11,958		11,958			335		335	12,293	81,826	75,570	81,664	13.78	14.55	13.80
2018			7,222		7,222			1,110		1,110	8,332	69,580	120,281	72,731	11.13	25.81	12.04
2019			5,638		5,638			594		115	6,232	99,500	48,871	93,014	13.36	9.58	12.88
2020			-		-			95		95	95	-	35,402	35,402	-	5.58	5.58

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2014			998					-			998		-			-	
2015			11,673					105			11,777		12,243			8.05	
2016			27,053					848			27,900		40,501			15.14	
2017			38,012					1,182			39,195		62,421			14.97	
2018			34,561					2,188			36,748		59,989			20.07	
2019			24,818					2,039			26,857		70,596			15.93	
2020			12,860					1,799			14,659		71,538			14.75	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			998		998			-		-	998	5,165	-	5,165	8.46	-	8.46
2015			11,673		11,673			105		105	11,777	22,108	12,243	22,014	8.59	8.05	8.58
2016			27,053		27,053			848		395	27,900	34,792	40,501	34,914	10.56	15.14	10.66
2017			39,011		39,011			1,182		730	40,193	46,480	62,421	46,839	11.37	14.97	11.45
2018			46,233		46,233			2,292		1,840	48,525	52,207	58,223	52,382	11.33	18.79	11.55
2019			51,871		51,871			2,887		115	54,757	61,393	70,294	61,743	11.52	15.69	11.69
2020			51,871		51,871			2,981		210	54,852	62,125	71,461	62,524	11.52	14.83	11.67

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2014			998					-			998	5,165	-	5,165	8.46	-	8.46
2015			11,673					105			11,777	22,556	12,243	22,458	8.59	8.05	8.58
2016			27,053					848			27,900	46,756	43,343	46,683	10.56	15.14	10.66
2017			39,011					1,182			40,193	81,404	93,146	81,669	11.37	14.97	11.45
2018			46,233					2,292			48,525	120,659	118,538	120,598	11.33	18.79	11.55
2019			51,871					2,887			54,757	170,740	148,890	169,882	11.52	15.69	11.69
2020			51,871					2,981			54,852	232,865	207,758	231,792	11.52	14.83	11.67
2021			51,871					2,981			54,852	294,990	279,599	294,332	11.52	14.83	11.67
2022			51,871					2,981			54,852	357,116	351,439	356,873	11.52	14.83	11.67
2023			51,871					2,981			54,852	419,105	423,279	419,284	11.52	14.83	11.67
2024			51,871					2,981			54,852	474,556	494,328	475,401	11.52	14.83	11.67
2025			51,871					2,981			54,852	516,877	554,884	518,502	11.52	14.83	11.67
2026			51,871					2,981			54,852	543,582	602,191	546,088	11.52	14.83	11.67
2027			51,871					2,981			54,852	558,395	638,692	561,828	11.52	14.83	11.67
2028			51,871					2,981			54,852	559,127	646,183	562,849	11.52	14.83	11.67
2029			51,871					2,981			54,852	559,127	646,563	562,865	11.52	14.83	11.67
2030			51,871					2,981			54,852	559,127	646,563	562,865	11.52	14.83	11.67

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Program:	**Non-residential Lighting Systems & Controls**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2020:	**10.6**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	0		0	0	0	0		0	0
2020	February	0	0	0		0	0	0	0		0	0
2020	March	83	0	83		83	0	0	0		0	83
2020	April	41	0	124		124	1	0	1		1	125
2020	May	30	0	154		154	1	0	2		2	156
2020	June	31	0	185		185	3	0	5		5	190
2020	July	16	0	201		201	1	0	6		6	207
2020	August	41	0	242		242	0	0	6		6	248
2020	September	42	0	284		284	0	0	6		6	290
2020	October	34	0	318		318	0	0	6		6	324
2020	November	33	0	351		351	3	0	9		9	360
2020	December	55	0	406		406	0	0	9		9	415

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			0		0			0		0	0
2020	February			0		0			0		0	0
2020	March	244,399		244,399		244,399			0		0	244,399
2020	April	137,063		381,462		381,462	1,519		1,519		1,519	382,981
2020	May	251,420		632,882		632,882	1,409		2,928		2,928	635,809
2020	June	279,508		912,389		912,389	677		3,605		3,605	915,994
2020	July	113,257		1,025,647		1,025,647	4,841		8,446		8,446	1,034,093
2020	August	357,061		1,382,708		1,382,708			8,446		8,446	1,391,154
2020	September	421,355		1,804,062		1,804,062			8,446		8,446	1,812,508
2020	October	91,043		1,895,105		1,895,105			8,446		8,446	1,903,551
2020	November	272,391		2,167,497		2,167,497	872		9,318		9,318	2,176,814
2020	December	264,941		2,432,437		2,432,437			9,318		9,318	2,441,755

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			0		0			0		0	0			-			-
2020	February			0		0			0		0	0			-			-
2020	March	343		343		343			0		0	343	2,945		2,945	4.14		4.14
2020	April	193		537		537	0		0		0	537	3,076	1,519	3,064	4.33	-	4.29
2020	May	472		1,008		1,008	0		0		0	1,008	4,110	1,464	4,076	6.55	-	6.46
2020	June	448		1,456		1,456	2		2		2	1,458	4,932	721	4,821	7.87	0.38	7.67
2020	July	147		1,603		1,603	0		2		2	1,605	5,103	1,408	4,996	7.98	0.32	7.75
2020	August	642		2,245		2,245			2		2	2,247	5,714	1,408	5,609	9.28	0.32	9.06
2020	September	667		2,911		2,911			2		2	2,913	6,352	1,408	6,250	10.25	0.32	10.05
2020	October	120		3,031		3,031			2		2	3,033	5,959	1,408	5,875	9.53	0.32	9.36
2020	November	540		3,571		3,571	3		5		5	3,576	6,175	1,035	6,047	10.17	0.59	9.93
2020	December	449		4,020		4,020			5		5	4,025	5,991	1,035	5,884	9.90	0.59	9.70

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			406		406			9		9	415

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			406		406			9		9	415

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2020			406					9			415

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			406		406			9		9	415

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2020			406					9			415
2021			406					9			415
2022			406					9			415
2023			406					9			415
2024			406					9			415
2025			406					9			415
2026			406					9			415
2027			406					9			415
2028			406					9			415
2029			406					9			415
2030			406					9			415
2031			406					9			415
2032			406					9			415

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			12,878,589		12,878,589			60,471		60,471	12,939,060

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			29,189,250		29,189,250			111,813		111,813	29,301,063

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2020			12,878,589					60,471			12,939,060

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			12,878,589		12,878,589			60,471		60,471	12,939,060

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2020			12,878,589					60,471			12,939,060
2021			42,067,838					172,284			42,240,122
2022			71,257,088					284,097			71,541,185
2023			100,446,337					395,911			100,842,248
2024			129,635,587					507,724			130,143,311
2025			158,824,836					619,537			159,444,373
2026			188,014,086					731,351			188,745,436
2027			217,203,335					843,164			218,046,499
2028			246,392,585					954,977			247,347,562
2029			275,581,834					1,066,790			276,648,625
2030			304,145,223					1,177,085			305,322,307
2031			311,351,995					1,192,675			312,544,670
2032			311,351,995					1,192,675			312,544,670

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			4,020		4,020			5		5	4,025	31,721	6,719	31,178	9.90	0.59	9.70

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			4,020		4,020			5		5	4,025	71,895	12,424	70,605	9.90	0.59	9.70

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2020			4,020					5			4,025		6,719			0.59	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			4,020		4,020			5		5	4,025	31,721	6,719	31,178	9.90	0.59	9.70

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2020			4,020					5			4,025	31,721	6,719	31,178	9.90	0.59	9.70
2021			4,020					5			4,025	103,615	19,143	101,783	9.90	0.59	9.70
2022			4,020					5			4,025	175,510	31,566	172,388	9.90	0.59	9.70
2023			4,020					5			4,025	247,405	43,990	242,993	9.90	0.59	9.70
2024			4,020					5			4,025	319,299	56,414	313,598	9.90	0.59	9.70
2025			4,020					5			4,025	391,194	68,837	384,203	9.90	0.59	9.70
2026			4,020					5			4,025	463,089	81,261	454,808	9.90	0.59	9.70
2027			4,020					5			4,025	534,984	93,685	525,413	9.90	0.59	9.70
2028			4,020					5			4,025	606,878	106,109	596,018	9.90	0.59	9.70
2029			4,020					5			4,025	678,773	118,532	666,623	9.90	0.59	9.70
2030			4,020					5			4,025	749,126	130,787	735,716	9.90	0.59	9.70
2031			4,020					5			4,025	766,877	132,519	753,120	9.90	0.59	9.70
2032			4,020					5			4,025	766,877	132,519	753,120	9.90	0.59	9.70

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Program:	**Non-residential Small Business Improvement**
DSM Phase:	**5**
Type:	
Program Life in years	
Starting from 2016:	**14.0**

Table 1 — **Participation**

Year	Month	Program Participants											System
		VA					NC						System
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2016	January	0	0	0		0	0	0	0		0	0
2016	February	0	0	0		0	0	0	0		0	0
2016	March	0	0	0		0	0	0	0		0	0
2016	April	0	0	0		0	0	0	0		0	0
2016	May	0	0	0		0	0	0	0		0	0
2016	June	0	0	0		0	0	0	0		0	0
2016	July	0	0	0		0	0	0	0	0	0	0
2016	August	0	0	0		0	0	0	0	0	0	0
2016	September	0	0	0		0	0	0	0	0	0	0
2016	October	4	0	4		4	0	0	0	0	0	4
2016	November	34	0	38		38	0	0	0	0	0	38
2016	December	29	0	67		67	0	0	0		0	67
2017	January	73	0	140		140	0	0	0		0	140
2017	February	37	0	177		177	0	0	0		0	177
2017	March	92	0	269		269	0	0	0		0	269
2017	April	101	0	370		370	0	0	0		0	370
2017	May	165	0	535		535	0	0	0		0	535
2017	June	101	0	636		636	1	0	1		1	637
2017	July	89	0	725		725	1	0	2		2	727
2017	August	89	0	814		814	0	0	2		2	816
2017	September	40	0	854		854	0	0	2		2	856
2017	October	74	0	928		928	0	0	2		2	930
2017	November	38	0	966		966	0	0	2		2	968
2017	December	38	0	1,004		1,004	5	0	7		7	1,011
2018	January	28	0	1,032		1,032	0	0	7		7	1,039
2018	February	77	0	1,109		1,109	1	0	8		8	1,117
2018	March	36	0	1,145		1,145	1	0	9		9	1,154
2018	April	37	0	1,182		1,182	1	0	10		10	1,192
2018	May	38	0	1,220		1,220	3	0	13		13	1,233
2018	June	65	0	1,285		1,285	9	0	22		22	1,307
2018	July	36	0	1,321		1,321	9	0	31		31	1,352
2018	August	47	0	1,368		1,368	0	0	31		31	1,399
2018	September	33	0	1,401		1,401	0	0	31		31	1,432
2018	October	54	0	1,455		1,455	11	0	42		42	1,497
2018	November	35	0	1,490		1,490	0	0	42		42	1,532
2018	December	24	0	1,514		1,514	1	0	43		43	1,557

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C.7 Non-residential Small Business Improvement (DSM V) - 2016-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2016	January			0		0			0		0	0
2016	February			0		0			0		0	0
2016	March			0		0			0		0	0
2016	April			0		0			0		0	0
2016	May			0		0			0		0	0
2016	June			0		0			0		0	0
2016	July			0		0			0	0	0	0
2016	August			0		0			0	0	0	0
2016	September			0		0			0	0	0	0
2016	October	3,443		3,443		3,443			0	0	0	3,443
2016	November	11,775		15,218		15,218			0	0	0	15,218
2016	December	39,516		54,733		54,733			0		0	54,733
2017	January	71,461		126,194		126,194			0		0	126,194
2017	February	26,382		152,576		152,576			0		0	152,576
2017	March	105,881		258,457		258,457			0		0	258,457
2017	April	74,495		332,953		332,953			0		0	332,953
2017	May	143,204		476,157		476,157			0		0	476,157
2017	June	104,754		580,910		580,910	1,128		1,128		1,128	582,039
2017	July	126,670		707,581		707,581	4,282		5,410		5,410	712,990
2017	August	111,849		819,429		819,429			5,410		5,410	824,839
2017	September	100,158		919,588		919,588			5,410		5,410	924,997
2017	October	180,220		1,099,807		1,099,807			5,410		5,410	1,105,217
2017	November	107,464		1,207,271		1,207,271			5,410		5,410	1,212,681
2017	December	72,379		1,279,650		1,279,650	8,466		13,876		13,876	1,293,526
2018	January	69,594		1,349,244		1,349,244			13,876		13,876	1,363,120
2018	February	155,475		1,504,719		1,504,719	3,186		17,061		17,061	1,521,781
2018	March	86,262		1,590,981		1,590,981	1,877		18,939		18,939	1,609,919
2018	April	92,830		1,683,810		1,683,810	2,842		21,781		21,781	1,705,591
2018	May	56,784		1,740,595		1,740,595	18,869		40,650		40,650	1,781,245
2018	June	464,228		2,204,822		2,204,822	18,388		59,038		59,038	2,263,860
2018	July	54,977		2,259,799		2,259,799	8,775		67,813		67,813	2,327,612
2018	August	54,450		2,314,248		2,314,248			67,813		67,813	2,382,061
2018	September	59,410		2,373,658		2,373,658			67,813		67,813	2,441,471
2018	October	109,496		2,483,154		2,483,154	27,214		95,027		95,027	2,578,181
2018	November	76,093		2,559,247		2,559,247			95,027		95,027	2,654,274
2018	December	53,646		2,612,893		2,612,893	2,242		97,269		97,269	2,710,162

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C.7 Non-residential Small Business Improvement (DSM V) - 2016-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2016	January			0		0			0		0	0			-			-
2016	February			0		0			0		0	0			-			-
2016	March			0		0			0		0	0			-			-
2016	April			0		0			0		0	0			-			-
2016	May			0		0			0		0	0			-			-
2016	June			0		0			0		0	0			-			-
2016	July			0		0			0	0	0	0			-			-
2016	August			0		0			0	0	0	0			-			-
2016	September			0		0			0	0	0	0			-			-
2016	October	7		7		7			0	0	0	7	861		861	1.70		1.70
2016	November	18		25		25			0	0	0	25	400		400	0.67		0.67
2016	December	106		132		132			0		0	132	817		817	1.96		1.96
2017	January	175		306		306			0		0	306	901		901	2.19		2.19
2017	February	66		372		372			0		0	372	862		862	2.10		2.10
2017	March	282		654		654			0		0	654	961		961	2.43		2.43
2017	April	199		853		853			0		0	853	900		900	2.31		2.31
2017	May	325		1,178		1,178			0		0	1,178	890		890	2.20		2.20
2017	June	271		1,449		1,449	0		0		0	1,449	913	1,128	914	2.28	-	2.27
2017	July	320		1,769		1,769	7		7		7	1,776	976	2,705	981	2.44	3.61	2.44
2017	August	302		2,070		2,070			7		7	2,078	1,007	2,705	1,011	2.54	3.61	2.55
2017	September	266		2,337		2,337			7		7	2,344	1,077	2,705	1,081	2.74	3.61	2.74
2017	October	417		2,753		2,753			7		7	2,761	1,185	2,705	1,188	2.97	3.61	2.97
2017	November	280		3,033		3,033			7		7	3,040	1,250	2,705	1,253	3.14	3.61	3.14
2017	December	196		3,230		3,230	25		33		33	3,262	1,275	1,982	1,279	3.22	4.66	3.23
2018	January	191		3,421		3,421			33		33	3,454	1,307	1,982	1,312	3.31	4.66	3.32
2018	February	384		3,805		3,805	4		37		37	3,841	1,357	2,133	1,362	3.43	4.59	3.44
2018	March	207		4,012		4,012	7		44		44	4,056	1,390	2,104	1,395	3.50	4.90	3.51
2018	April	223		4,235		4,235	8		52		52	4,287	1,425	2,178	1,431	3.58	5.21	3.60
2018	May	141		4,376		4,376	53		105		105	4,482	1,427	3,127	1,445	3.59	8.09	3.63
2018	June	1,241		5,618		5,618	49		154		154	5,771	1,716	2,684	1,732	4.37	6.99	4.42
2018	July	146		5,764		5,764	21		175		175	5,938	1,711	2,188	1,722	4.36	5.63	4.39
2018	August	150		5,914		5,914			175		175	6,088	1,692	2,188	1,703	4.32	5.63	4.35
2018	September	137		6,050		6,050			175		175	6,225	1,694	2,188	1,705	4.32	5.63	4.35
2018	October	290		6,340		6,340	72		247		247	6,587	1,707	2,263	1,722	4.36	5.88	4.40
2018	November	205		6,545		6,545			247		247	6,792	1,718	2,263	1,733	4.39	5.88	4.43
2018	December	161		6,705		6,705	5		252		252	6,957	1,726	2,262	1,741	4.43	5.85	4.47

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2019	January	36	0	1,550		1,550	3	0	46		46	1,596
2019	February	31	0	1,581		1,581	2	0	48		48	1,629
2019	March	55	0	1,636		1,636	1	0	49		49	1,685
2019	April	48	0	1,684		1,684	6	0	55		55	1,739
2019	May	32	0	1,716		1,716	0	0	55		55	1,771
2019	June	30	0	1,746		1,746	4	0	59		59	1,805
2019	July	55	0	1,801		1,801	3	0	62	3	62	1,863
2019	August	44	0	1,845		1,845	0	0	62	3	62	1,907
2019	September	44	0	1,889		1,889	4	0	66	7	66	1,955
2019	October	53	0	1,942		1,942	0	0	66	7	66	2,008
2019	November	36	0	1,978		1,978	3	0	69	10	10	2,047
2019	December	39	0	2,017		2,017	1	0	70		11	2,087
2020	January	22	0	2,039		2,039	5	0	75		16	2,114
2020	February	37	0	2,076		2,076	1	0	76		17	2,152
2020	March	33	0	2,109		2,109	3	0	79		20	2,188
2020	April	24	0	2,133		2,133	1	0	80		21	2,213
2020	May	29	0	2,162		2,162	0	0	80		21	2,242
2020	June	39	0	2,201		2,201	1	0	81		22	2,282
2020	July	19	0	2,220		2,220	4	0	85		26	2,305
2020	August	21	0	2,241		2,241	1	0	86		27	2,327
2020	September	29	0	2,270		2,270	0	0	86		27	2,356
2020	October	14	0	2,284		2,284	1	0	87		28	2,371
2020	November	37	0	2,321		2,321	0	0	87		28	2,408
2020	December	23	0	2,344		2,344	0	0	87		28	2,431

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C.7 Non-residential Small Business Improvement (DSM V) - 2016-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January	82,956		2,695,850		2,695,850	7,711		104,980		104,980	2,800,829
2019	February	121,702		2,817,551		2,817,551	13,521		118,500		118,500	2,936,051
2019	March	94,378		2,911,930		2,911,930	103		118,603		118,603	3,030,532
2019	April	46,242		2,958,171		2,958,171	8,933		127,535		127,535	3,085,707
2019	May	80,084		3,038,255		3,038,255			127,535		127,535	3,165,791
2019	June	48,841		3,087,097		3,087,097	6,966		134,501		134,501	3,221,598
2019	July	80,619		3,167,715		3,167,715	3,015		137,516	3,015	137,516	3,305,232
2019	August	100,640		3,268,355		3,268,355			137,516	3,015	137,516	3,405,872
2019	September	85,294		3,353,649		3,353,649	10,192		147,709	13,208	147,709	3,501,358
2019	October	76,260		3,429,909		3,429,909	345		148,054	13,553	148,054	3,577,963
2019	November	94,373		3,524,282		3,524,282	6,645		154,699	20,198	20,198	3,678,981
2019	December	59,333		3,583,615		3,583,615	530		155,229		20,727	3,738,844
2020	January	43,357		3,626,972		3,626,972	11,409		166,637		32,136	3,793,609
2020	February	75,724		3,702,696		3,702,696	848		167,485		32,984	3,870,181
2020	March	86,829		3,789,525		3,789,525	7,038		174,523		40,022	3,964,048
2020	April	70,354		3,859,878		3,859,878	5,508		180,031		45,530	4,039,909
2020	May	35,432		3,895,311		3,895,311			180,031		45,530	4,075,342
2020	June	52,976		3,948,287		3,948,287	433		180,464		45,963	4,128,751
2020	July	25,830		3,974,117		3,974,117	1,325		181,789		47,288	4,155,906
2020	August	59,992		4,034,108		4,034,108	4,225		186,014		51,513	4,220,123
2020	September	52,980		4,087,088		4,087,088			186,014		51,513	4,273,102
2020	October	9,863		4,096,951		4,096,951	907		186,922		52,420	4,283,872
2020	November	84,190		4,181,141		4,181,141			186,922		52,420	4,368,063
2020	December	77,292		4,258,434		4,258,434			186,922		52,420	4,445,355

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January	228		6,934		6,934	21		272		272	7,206	1,739	2,282	1,755	4.47	5.92	4.52
2019	February	338		7,271		7,271	38		310		310	7,581	1,782	2,469	1,802	4.60	6.46	4.65
2019	March	267		7,539		7,539	0		310		310	7,849	1,780	2,420	1,799	4.61	6.33	4.66
2019	April	157		7,696		7,696	19		329		329	8,025	1,757	2,319	1,774	4.57	5.99	4.61
2019	May	203		7,899		7,899			329		329	8,228	1,771	2,319	1,788	4.60	5.99	4.65
2019	June	84		7,983		7,983	17		346		346	8,329	1,768	2,280	1,785	4.57	5.87	4.61
2019	July	201		8,184		8,184	6		353	6	353	8,537	1,759	2,218	1,774	4.54	5.69	4.58
2019	August	229		8,413		8,413			353	6	353	8,766	1,771	2,218	1,786	4.56	5.69	4.60
2019	September	229		8,642		8,642	22		375	28	375	9,017	1,775	2,238	1,791	4.58	5.68	4.61
2019	October	216		8,859		8,859	1		375	29	375	9,234	1,766	2,243	1,782	4.56	5.69	4.60
2019	November	245		9,103		9,103	15		391	44	44	9,494	1,782	2,242	1,797	4.60	5.66	4.64
2019	December	155		9,259		9,259	1		392		46	9,651	1,777	2,218	1,791	4.59	5.60	4.62
2020	January	111		9,369		9,369	21		413		67	9,782	1,779	2,222	1,795	4.60	5.51	4.63
2020	February	189		9,558		9,558	2		415		69	9,973	1,784	2,204	1,798	4.60	5.46	4.63
2020	March	231		9,789		9,789	14		429		83	10,218	1,797	2,209	1,812	4.64	5.43	4.67
2020	April	128		9,917		9,917	0		429		83	10,346	1,810	2,250	1,826	4.65	5.37	4.68
2020	May	77		9,994		9,994			429		83	10,423	1,802	2,250	1,818	4.62	5.37	4.65
2020	June	137		10,131		10,131	1		430		84	10,561	1,794	2,228	1,809	4.60	5.31	4.63
2020	July	67		10,199		10,199	2		432		86	10,631	1,790	2,139	1,803	4.59	5.08	4.61
2020	August	150		10,348		10,348	8		440		94	10,788	1,800	2,163	1,814	4.62	5.12	4.64
2020	September	151		10,499		10,499			440		94	10,939	1,800	2,163	1,814	4.63	5.12	4.64
2020	October	34		10,533		10,533	2		442		96	10,976	1,794	2,149	1,807	4.61	5.09	4.63
2020	November	217		10,750		10,750			442		96	11,193	1,801	2,149	1,814	4.63	5.09	4.65
2020	December	132		10,882		10,882			442		96	11,325	1,817	2,149	1,829	4.64	5.09	4.66

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			67		67			-		-	67
2017			937		937			7		7	944
2018			510		510			36		36	546
2019			503		503			27		11	530
2020			327		327			17		17	344

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			67		67			-		-	67
2017			937		937			7		7	944
2018			510		510			36		36	546
2019			503		503			27		11	530
2020			327		327			17		17	344

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2016			67					-			67
2017			1,004					7			1,011
2018			1,514					43			1,557
2019			1,950					70			2,020
2020			1,340					80			1,420

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			67		67			-		-	67
2017			1,004		1,004			7		7	1,011
2018			1,514		1,514			43		43	1,557
2019			2,017		2,017			70		11	2,087
2020			2,344		2,344			87		28	2,431

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2016			67					-			67
2017			1,004					7			1,011
2018			1,514					43			1,557
2019			2,017					70			2,087
2020			2,344					87			2,431
2021			2,344					87			2,431
2022			2,344					87			2,431
2023			2,344					87			2,431
2024			2,344					87			2,431
2025			2,344					87			2,431
2026			2,344					87			2,431
2027			2,344					87			2,431
2028			2,344					87			2,431
2029			2,344					87			2,431
2030			2,344					87			2,431
2031			2,344					87			2,431
2032			2,344					87			2,431
2033			2,344					87			2,431
2034			2,344					87			2,431
2035			2,344					87			2,431

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			73,394		73,394			-		-	73,394
2017			7,303,773		7,303,773			42,053		42,053	7,345,825
2018			9,321,365		9,321,365			495,598		495,598	9,816,964
2019			6,481,659		6,481,659			445,156		370,690	6,926,815
2020			4,451,123		4,451,123			301,010		301,010	4,752,134

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			656,801		656,801			-		-	656,801
2017			14,699,005		14,699,005			166,507		166,507	14,865,511
2018			15,998,914		15,998,914			1,000,716		1,000,716	16,999,629
2019			11,648,664		11,648,664			695,521		248,730	12,344,186
2020			8,097,820		8,097,820			380,315		380,315	8,478,135

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2016			73,394					-			73,394
2017			7,960,574					42,053			8,002,627
2018			24,677,171					662,105			25,339,276
2019			37,179,578					1,612,378			38,791,956
2020			32,098,702					1,997,247			34,095,949

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2016			73,394		73,394			0		0	73,394
2017			7,960,574		7,960,574			42,053		42,053	8,002,627
2018			24,677,171		24,677,171			662,105		662,105	25,339,276
2019			37,836,379		37,836,379			1,612,378		1,343,376	39,448,757
2020			47,454,508		47,454,508			2,163,754		549,740	49,618,261

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2016			73,394					-			73,394
2017			8,033,968					42,053			8,076,021
2018			32,711,139					704,158			33,415,297
2019			70,547,519					2,316,536			72,864,054
2020			118,002,026					4,480,289			122,482,315
2021			169,103,230					6,723,348			175,826,578
2022			220,204,434					8,966,407			229,170,841
2023			271,305,639					11,209,465			282,515,104
2024			322,406,843					13,452,524			335,859,367
2025			373,508,047					15,695,583			389,203,630
2026			424,609,251					17,938,642			442,547,893
2027			475,710,455					20,181,701			495,892,156
2028			526,811,659					22,424,759			549,236,419
2029			577,912,863					24,667,818			602,580,681
2030			628,940,673					26,910,877			655,851,550
2031			672,081,304					29,111,883			701,193,187
2032			698,505,337					30,692,837			729,198,173
2033			711,770,161					31,323,518			743,093,679
2034			715,416,858					31,402,823			746,819,681
2035			715,416,858					31,402,823			746,819,681

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2016			132		132			-		-	132	1,095	-	1,095	1.96	-	1.96
2017			3,098		3,098			33		33	3,131	7,795	6,008	7,782	3.31	4.66	3.32
2018			3,476		3,476			219		219	3,695	18,277	13,767	17,980	6.82	6.09	6.77
2019			2,554		2,554			140		46	2,694	12,886	16,487	13,069	5.08	5.19	5.08
2020			1,623		1,623			50		50	1,674	13,612	17,706	13,814	4.96	2.97	4.87

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2016			132		132			-		-	132	9,803	-	9,803	1.96	-	1.96
2017			3,098		3,098			33		33	3,131	15,687	23,787	15,747	3.31	4.66	3.32
2018			3,476		3,476			219		219	3,695	31,370	27,798	31,135	6.82	6.09	6.77
2019			2,554		2,554			140		46	2,694	23,158	25,760	23,291	5.08	5.19	5.08
2020			1,623		1,623			50		50	1,674	24,764	22,371	24,646	4.96	2.97	4.87

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2016			132					-			132		-			-	
2017			3,230					33			3,262		6,008			4.66	
2018			6,705					252			6,957		15,398			5.85	
2019			9,127					392			9,519		23,034			5.60	
2020			7,653					410			8,062		24,966			5.12	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2016			132		132			-		-	132	1,095	-	1,095	1.96	-	1.96
2017			3,230		3,230			33		33	3,262	7,929	6,008	7,916	3.22	4.66	3.23
2018			6,705		6,705			252		252	6,957	16,299	15,398	16,274	4.43	5.85	4.47
2019			9,259		9,259			392		46	9,651	18,759	23,034	18,902	4.59	5.60	4.62
2020			10,882		10,882			442		96	11,325	20,245	24,871	20,411	4.64	5.09	4.66

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2016			132					-			132	1,095	-	1,095	1.96	-	1.96
2017			3,230					33			3,262	8,002	6,008	7,988	3.22	4.66	3.23
2018			6,705					252			6,957	21,606	16,376	21,461	4.43	5.85	4.47
2019			9,259					392			9,651	34,976	33,093	34,913	4.59	5.60	4.62
2020			10,882					442			11,325	50,342	51,498	50,384	4.64	5.09	4.66
2021			10,882					442			11,325	72,143	77,280	72,327	4.64	5.09	4.66
2022			10,882					442			11,325	93,944	103,062	94,270	4.64	5.09	4.66
2023			10,882					442			11,325	115,745	128,844	116,214	4.64	5.09	4.66
2024			10,882					442			11,325	137,546	154,627	138,157	4.64	5.09	4.66
2025			10,882					442			11,325	159,346	180,409	160,100	4.64	5.09	4.66
2026			10,882					442			11,325	181,147	206,191	182,044	4.64	5.09	4.66
2027			10,882					442			11,325	202,948	231,974	203,987	4.64	5.09	4.66
2028			10,882					442			11,325	224,749	257,756	225,930	4.64	5.09	4.66
2029			10,882					442			11,325	246,550	283,538	247,874	4.64	5.09	4.66
2030			10,882					442			11,325	268,319	309,320	269,787	4.64	5.09	4.66
2031			10,882					442			11,325	286,724	334,619	288,438	4.64	5.09	4.66
2032			10,882					442			11,325	297,997	352,791	299,958	4.64	5.09	4.66
2033			10,882					442			11,325	303,656	360,040	305,674	4.64	5.09	4.66
2034			10,882					442			11,325	305,212	360,952	307,207	4.64	5.09	4.66
2035			10,882					442			11,325	305,212	360,952	307,207	4.64	5.09	4.66

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Program:	**Non-residential Prescriptive**
DSM Phase:	**6**
Type:	
Program Life in years	
Starting from 2017:	**6.3**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2017	January	0	0	0		0	0	0	0		0	0
2017	February	0	0	0		0	0	0	0		0	0
2017	March	0	0	0		0	0	0	0		0	0
2017	April	0	0	0		0	0	0	0		0	0
2017	May	0	0	0		0	0	0	0		0	0
2017	June	0	0	0		0	0	0	0		0	0
2017	July	0	0	0		0	0	0	0		0	0
2017	August	0	0	0		0	0	0	0		0	0
2017	September	0	0	0		0	0	0	0		0	0
2017	October	0	0	0		0	0	0	0		0	0
2017	November	0	0	0		0	0	0	0		0	0
2017	December	4	0	4		4	0	0	0		0	4
2018	January	49	0	53		53	0	0	0		0	53
2018	February	181	0	234		234	0	0	0		0	234
2018	March	115	0	349		349	0	0	0		0	349
2018	April	56	0	405		405	0	0	0		0	405
2018	May	123	0	528		528	0	0	0		0	528
2018	June	100	0	628		628	0	0	0		0	628
2018	July	64	0	692		692	0	0	0		0	692
2018	August	47	0	739		739	0	0	0		0	739
2018	September	83	0	822		822	0	0	0		0	822
2018	October	11	0	833		833	0	0	0		0	833
2018	November	21	0	854		854	11	0	11		11	865
2018	December	15	0	869		869	10	0	21		21	890
2019	January	5	0	874		874	3	0	24		24	898
2019	February	36	0	910		910	16	0	40		40	950
2019	March	73	0	983		983	6	0	46		46	1,029
2019	April	60	0	1,043		1,043	7	0	53		53	1,096
2019	May	66	0	1,109		1,109	1	0	54		54	1,163
2019	June	39	0	1,148		1,148	0	0	54		54	1,202
2019	July	40	0	1,188		1,188	0	0	54	0	54	1,242
2019	August	39	0	1,227		1,227	0	0	54	0	54	1,281
2019	September	38	0	1,265		1,265	0	0	54	0	54	1,319
2019	October	103	0	1,368		1,368	2	0	56	2	56	1,424
2019	November	108	0	1,476		1,476	1	0	57	3	3	1,533
2019	December	59	0	1,535		1,535	0	0	57		3	1,592

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2017	January			0		0			0		0	0
2017	February			0		0			0		0	0
2017	March			0		0			0		0	0
2017	April			0		0			0		0	0
2017	May			0		0			0		0	0
2017	June			0		0			0		0	0
2017	July			0		0			0		0	0
2017	August			0		0			0		0	0
2017	September			0		0			0		0	0
2017	October			0		0			0		0	0
2017	November			0		0			0		0	0
2017	December	58		58		58			0		0	58
2018	January	12,832		12,890		12,890			0		0	12,890
2018	February	121,049		133,939		133,939			0		0	133,939
2018	March	55,721		189,660		189,660			0		0	189,660
2018	April	34,667		224,327		224,327			0		0	224,327
2018	May	82,051		306,378		306,378			0		0	306,378
2018	June	66,481		372,858		372,858			0		0	372,858
2018	July	92,006		464,864		464,864			0		0	464,864
2018	August	34,380		499,244		499,244			0		0	499,244
2018	September	64,055		563,299		563,299			0		0	563,299
2018	October	10,406		573,706		573,706			0		0	573,706
2018	November	3,277		576,983		576,983	13,365		13,365		13,365	590,348
2018	December	8,339		585,322		585,322	5,117		18,482		18,482	603,804
2019	January	482		585,805		585,805	6,563		25,044		25,044	610,849
2019	February	31,581		617,386		617,386	6,067		31,112		31,112	648,497
2019	March	71,297		688,683		688,683	3,315		34,427		34,427	723,109
2019	April	20,708		709,390		709,390	2,075		36,502		36,502	745,892
2019	May	38,820		748,210		748,210	38		36,540		36,540	784,750
2019	June	14,225		762,435		762,435			36,540		36,540	798,975
2019	July	36,973		799,408		799,408			36,540	0	36,540	835,948
2019	August	37,857		837,265		837,265			36,540	0	36,540	873,805
2019	September	24,992		862,257		862,257			36,540	0	36,540	898,797
2019	October	34,512		896,769		896,769	853		37,393	853	37,393	934,162
2019	November	40,855		937,624		937,624	71		37,464	924	924	975,088
2019	December	14,694		952,318		952,318			37,464		924	989,782

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2017	January			0		0			0		0	0			-			-
2017	February			0		0			0		0	0			-			-
2017	March			0		0			0		0	0			-			-
2017	April			0		0			0		0	0			-			-
2017	May			0		0			0		0	0			-			-
2017	June			0		0			0		0	0			-			-
2017	July			0		0			0		0	0			-			-
2017	August			0		0			0		0	0			-			-
2017	September			0		0			0		0	0			-			-
2017	October			0		0			0		0	0			-			-
2017	November			0		0			0		0	0			-			-
2017	December	0		0		0			0		0	0	15		15	0.02		0.02
2018	January	23		23		23			0		0	23	243		243	0.44		0.44
2018	February	415		438		438			0		0	438	572		572	1.87		1.87
2018	March	222		660		660			0		0	660	543		543	1.89		1.89
2018	April	140		800		800			0		0	800	554		554	1.97		1.97
2018	May	206		1,005		1,005			0		0	1,005	580		580	1.90		1.90
2018	June	143		1,149		1,149			0		0	1,149	594		594	1.83		1.83
2018	July	298		1,446		1,446			0		0	1,446	672		672	2.09		2.09
2018	August	1,666		3,112		3,112			0		0	3,112	676		676	4.21		4.21
2018	September	172		3,284		3,284			0		0	3,284	685		685	3.99		3.99
2018	October	58		3,341		3,341			0		0	3,341	689		689	4.01		4.01
2018	November	4		3,345		3,345	18		18		18	3,363	676	1,215	682	3.92	1.66	3.89
2018	December	22		3,366		3,366	7		25		25	3,392	674	880	678	3.87	1.20	3.81
2019	January	2		3,368		3,368	9		34		34	3,403	670	1,044	680	3.85	1.42	3.79
2019	February	173		3,542		3,542	8		43		43	3,584	678	778	683	3.89	1.06	3.77
2019	March	1,470		5,012		5,012	5		47		47	5,059	701	748	703	5.10	1.02	4.92
2019	April	156		5,169		5,169	3		50		50	5,219	680	689	681	4.96	0.94	4.76
2019	May	377		5,546		5,546	0		50		50	5,596	675	677	675	5.00	0.93	4.81
2019	June	139		5,685		5,685			50		50	5,735	664	677	665	4.95	0.93	4.77
2019	July	173		5,857		5,857			50	0	50	5,907	673	677	673	4.93	0.93	4.76
2019	August	163		6,021		6,021			50	0	50	6,071	682	677	682	4.91	0.93	4.74
2019	September	80		6,101		6,101			50	0	50	6,151	682	677	681	4.82	0.93	4.66
2019	October	195		6,296		6,296	5		54	5	54	6,351	656	668	656	4.60	0.97	4.46
2019	November	343		6,639		6,639	1		56	6	6	6,695	635	657	636	4.50	0.98	4.37
2019	December	112		6,752		6,752			56		6	6,807	620	657	622	4.40	0.98	4.28

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2020	January	115	0	1,650		1,650	0	0	57		3	1,707
2020	February	57	0	1,707		1,707	2	0	59		5	1,766
2020	March	52	0	1,759		1,759	7	0	66		12	1,825
2020	April	54	0	1,813		1,813	0	0	66		12	1,879
2020	May	63	0	1,876		1,876	3	0	69		15	1,945
2020	June	32	0	1,908		1,908	1	0	70		16	1,978
2020	July	25	0	1,933		1,933	1	0	71		17	2,004
2020	August	25	0	1,958		1,958	0	0	71		17	2,029
2020	September	26	0	1,984		1,984	1	0	72		18	2,056
2020	October	15	0	1,999		1,999	0	0	72		18	2,071
2020	November	74	0	2,073		2,073	0	0	72		18	2,145
2020	December	39	0	2,112		2,112	4	0	76		22	2,188

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January	83,931		1,036,249		1,036,249			37,464		924	1,073,713
2020	February	91,084		1,127,333		1,127,333	498		37,962		1,422	1,165,295
2020	March	27,341		1,154,674		1,154,674	1,255		39,217		2,677	1,193,891
2020	April	493,698		1,648,372		1,648,372			39,217		2,677	1,687,589
2020	May	288,150		1,936,522		1,936,522	1,778		40,995		4,455	1,977,517
2020	June	455,178		2,391,700		2,391,700	159		41,154		4,614	2,432,854
2020	July	377,157		2,768,857		2,768,857	399		41,552		5,012	2,810,409
2020	August	315,155		3,084,012		3,084,012	83,835		125,387		88,847	3,209,399
2020	September	894,745		3,978,757		3,978,757	446		125,833		89,293	4,104,590
2020	October	113,131		4,091,888		4,091,888	11,904		137,737		101,197	4,229,625
2020	November	319,547		4,411,435		4,411,435	37,896		175,634		139,094	4,587,069
2020	December	299,949		4,711,384		4,711,384	1,119		176,753		140,213	4,888,137

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January	565		7,317		7,317			56		6	7,373	628	657	629	4.43	0.98	4.32
2020	February	226		7,543		7,543	2		58		8	7,601	660	643	660	4.42	0.98	4.30
2020	March	85		7,628		7,628	5		63		13	7,691	656	594	654	4.34	0.95	4.21
2020	April	571		8,199		8,199			63		13	8,263	909	594	898	4.52	0.95	4.40
2020	May	366		8,566		8,566	7		70		20	8,636	1,032	594	1,017	4.57	1.02	4.44
2020	June	605		9,171		9,171	2		72		22	9,243	1,254	588	1,230	4.81	1.03	4.67
2020	July	650		9,821		9,821	2		74		24	9,895	1,432	585	1,402	5.08	1.05	4.94
2020	August	605		10,426		10,426	100		175		125	10,600	1,575	1,766	1,582	5.32	2.46	5.22
2020	September	1,127		11,552		11,552	2		177		127	11,729	2,005	1,748	1,996	5.82	2.46	5.70
2020	October	222		11,774		11,774	13		190		140	11,964	2,047	1,913	2,042	5.89	2.63	5.78
2020	November	477		12,251		12,251	42		232		182	12,483	2,128	2,439	2,138	5.91	3.22	5.82
2020	December	422		12,673		12,673	4		235		185	12,908	2,231	2,326	2,234	6.00	3.09	5.90

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			4		4			-		-	4
2018			865		865			21		21	886
2019			666		666			36		3	702
2020			577		577			19		19	596

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			4		4			-		-	4
2018			865		865			21		21	886
2019			666		666			36		3	702
2020			577		577			19		19	596

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2017			4					-			4
2018			869					21			890
2019			1,535					57			1,592
2020			2,108					76			2,184

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			4		4			-		-	4
2018			869		869			21		21	890
2019			1,535		1,535			57		3	1,592
2020			2,112		2,112			76		22	2,188

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2017			4					-			4
2018			869					21			890
2019			1,535					57			1,592
2020			2,112					76			2,188
2021			2,112					76			2,188
2022			2,112					76			2,188
2023			2,112					76			2,188
2024			2,112					76			2,188
2025			2,112					76			2,188
2026			2,112					76			2,188
2027			2,112					76			2,188
2028			2,112					76			2,188

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			58		58			-		-	58
2018			4,502,772		4,502,772			31,846		31,846	4,534,619
2019			2,373,681		2,373,681			200,327		164,210	2,574,007
2020			20,913,366		20,913,366			569,338		569,338	21,482,704

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			699		699			-		-	699
2018			7,023,169		7,023,169			221,779		221,779	7,244,948
2019			4,403,947		4,403,947			227,788		11,086	4,631,735
2020			45,108,795		45,108,795			1,671,465		1,671,465	46,780,259

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2017			58					-			58
2018			4,503,471					31,846			4,535,318
2019			9,397,549					422,105			9,819,654
2020			32,340,482					1,018,905			33,359,387

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			58		58			0		0	58
2018			4,503,471		4,503,471			31,846		31,846	4,535,318
2019			9,397,549		9,397,549			422,105		349,025	9,819,654
2020			32,341,182		32,341,182			1,018,905		580,424	33,360,086

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2017			58					-			58
2018			4,503,530					31,846			4,535,376
2019			13,901,079					453,952			14,355,030
2020			46,242,260					1,472,856			47,715,117
2021			102,778,871					3,593,888			106,372,758
2022			159,315,481					5,714,919			165,030,400
2023			215,852,091					7,835,950			223,688,041
2024			270,683,727					9,956,981			280,640,708
2025			319,510,466					11,809,461			331,319,927
2026			359,497,138					13,467,531			372,964,669
2027			362,776,583					13,609,950			376,386,533
2028			362,776,583					13,609,950			376,386,533

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			0		0			-		-	0	15	-	15	0.02	-	0.02
2018			3,366		3,366			25		25	3,392	5,206	1,516	5,118	3.89	1.20	3.83
2019			3,385		3,385			30		6	3,416	3,564	5,565	3,667	5.08	0.84	4.87
2020			5,921		5,921			180		180	6,101	36,245	29,965	36,045	10.26	9.45	10.24

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			0		0			-		-	0	175	-	175	0.02	-	0.02
2018			3,366		3,366			25		25	3,392	8,119	10,561	8,177	3.89	1.20	3.83
2019			3,385		3,385			30		6	3,416	6,613	6,327	6,598	5.08	0.84	4.87
2020			5,921		5,921			180		180	6,101	78,178	87,972	78,490	10.26	9.45	10.24

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2017			0					-			0		-			-	
2018			3,366					25			3,392		1,516			1.20	
2019			6,752					56			6,807		7,405			0.98	
2020			12,673					235			12,908		13,407			3.09	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			0		0			-		-	0	15	-	15	0.02	-	0.02
2018			3,366		3,366			25		25	3,392	5,182	1,516	5,096	3.87	1.20	3.81
2019			6,752		6,752			56		6	6,807	6,122	7,405	6,168	4.40	0.98	4.28
2020			12,673		12,673			235		185	12,908	15,313	13,407	15,247	6.00	3.09	5.90

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2017			0					-			0	15	-	15	0.02	-	0.02
2018			3,366					25			3,392	5,182	1,516	5,096	3.87	1.20	3.81
2019			6,752					56			6,807	9,056	7,964	9,017	4.40	0.98	4.28
2020			12,673					235			12,908	21,895	19,380	21,808	6.00	3.09	5.90
2021			12,673					235			12,908	48,664	47,288	48,616	6.00	3.09	5.90
2022			12,673					235			12,908	75,433	75,196	75,425	6.00	3.09	5.90
2023			12,673					235			12,908	102,203	103,105	102,234	6.00	3.09	5.90
2024			12,673					235			12,908	128,165	131,013	128,264	6.00	3.09	5.90
2025			12,673					235			12,908	151,283	155,388	151,426	6.00	3.09	5.90
2026			12,673					235			12,908	170,216	177,204	170,459	6.00	3.09	5.90
2027			12,673					235			12,908	171,769	179,078	172,023	6.00	3.09	5.90
2028			12,673					235			12,908	171,769	179,078	172,023	6.00	3.09	5.90

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Program:	**Non-residential Heating & Cooling Efficiency**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2020:	**15.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	0		0	0	0	0		0	0
2020	February	0	0	0		0	0	0	0		0	0
2020	March	0	0	0		0	0	0	0		0	0
2020	April	0	0	0		0	0	0	0		0	0
2020	May	1	0	1		1	0	0	0		0	1
2020	June	5	0	6		6	0	0	0		0	6
2020	July	4	0	10		10	0	0	0		0	10
2020	August	3	0	13		13	0	0	0		0	13
2020	September	1	0	14		14	0	0	0		0	14
2020	October	0	0	14		14	0	0	0		0	14
2020	November	10	0	24		24	0	0	0		0	24
2020	December	6	0	30		30	0	0	0		0	30

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			0		0			0		0	0
2020	February			0		0			0		0	0
2020	March			0		0			0		0	0
2020	April			0		0			0		0	0
2020	May	639		639		639			0		0	639
2020	June	2,654		3,293		3,293			0		0	3,293
2020	July	89,612		92,905		92,905			0		0	92,905
2020	August	83,929		176,835		176,835			0		0	176,835
2020	September	1,636		178,471		178,471			0		0	178,471
2020	October			178,471		178,471			0		0	178,471
2020	November	17,054		195,525		195,525			0		0	195,525
2020	December	528		196,053		196,053			0		0	196,053

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			0		0			0		0	0			-			-
2020	February			0		0			0		0	0			-			-
2020	March			0		0			0		0	0			-			-
2020	April			0		0			0		0	0			-			-
2020	May	0		0		0			0		0	0	639		639	-		-
2020	June	69		69		69			0		0	69	549		549	11.50		11.50
2020	July	211		280		280			0		0	280	9,291		9,291	28.01		28.01
2020	August	93		373		373			0		0	373	13,603		13,603	28.71		28.71
2020	September	0		373		373			0		0	373	12,748		12,748	26.66		26.66
2020	October			373		373			0		0	373	12,748		12,748	26.66		26.66
2020	November	32		405		405			0		0	405	8,147		8,147	16.89		16.89
2020	December	3		408		408			0		0	408	6,535		6,535	13.60		13.60

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			30		30			-		-	30

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			30		30			-		-	30

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2020			30					-			30

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			30		30			-		-	30

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2020			30					-			30
2021			30					-			30
2022			30					-			30
2023			30					-			30
2024			30					-			30
2025			30					-			30
2026			30					-			30
2027			30					-			30
2028			30					-			30
2029			30					-			30
2030			30					-			30
2031			30					-			30
2032			30					-			30
2033			30					-			30
2034			30					-			30
2035			30					-			30
2036			30					-			30

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			1,022,192		1,022,192			-		-	1,022,192

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			2,352,639		2,352,639			-		-	2,352,639

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2020			1,022,192					-			1,022,192

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			1,022,192		1,022,192			0		0	1,022,192

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2020			1,022,192					-			1,022,192
2021			3,374,831					-			3,374,831
2022			5,727,471					-			5,727,471
2023			8,080,110					-			8,080,110
2024			10,432,749					-			10,432,749
2025			12,785,389					-			12,785,389
2026			15,138,028					-			15,138,028
2027			17,490,668					-			17,490,668
2028			19,843,307					-			19,843,307
2029			22,195,946					-			22,195,946
2030			24,548,586					-			24,548,586
2031			26,901,225					-			26,901,225
2032			29,253,864					-			29,253,864
2033			31,606,504					-			31,606,504
2034			33,959,143					-			33,959,143
2035			35,289,590					-			35,289,590
2036			35,289,590					-			35,289,590

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			408		408			-		-	408	34,073	-	34,073	13.60	-	13.60

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			408		408			-		-	408	78,421	-	78,421	13.60	-	13.60

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2020			408					-			408		-			-	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			408		408			-		-	408	34,073	-	34,073	13.60	-	13.60

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2020			408					-			408	34,073	-	34,073	13.60	-	13.60
2021			408					-			408	112,494	-	112,494	13.60	-	13.60
2022			408					-			408	190,916	-	190,916	13.60	-	13.60
2023			408					-			408	269,337	-	269,337	13.60	-	13.60
2024			408					-			408	347,758	-	347,758	13.60	-	13.60
2025			408					-			408	426,180	-	426,180	13.60	-	13.60
2026			408					-			408	504,601	-	504,601	13.60	-	13.60
2027			408					-			408	583,022	-	583,022	13.60	-	13.60
2028			408					-			408	661,444	-	661,444	13.60	-	13.60
2029			408					-			408	739,865	-	739,865	13.60	-	13.60
2030			408					-			408	818,286	-	818,286	13.60	-	13.60
2031			408					-			408	896,708	-	896,708	13.60	-	13.60
2032			408					-			408	975,129	-	975,129	13.60	-	13.60
2033			408					-			408	1,053,550	-	1,053,550	13.60	-	13.60
2034			408					-			408	1,131,971	-	1,131,971	13.60	-	13.60
2035			408					-			408	1,176,320	-	1,176,320	13.60	-	13.60
2036			408					-			408	1,176,320	-	1,176,320	13.60	-	13.60

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Program:	**Non-residential Office**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2020:	**7.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	0		0	0	0	0		0	0
2020	February	0	0	0		0	0	0	0		0	0
2020	March	0	0	0		0	0	0	0		0	0
2020	April	0	0	0		0	0	0	0		0	0
2020	May	0	0	0		0	0	0	0		0	0
2020	June	0	0	0		0	0	0	0		0	0
2020	July	0	0	0		0	0	0	0		0	0
2020	August	0	0	0		0	0	0	0		0	0
2020	September	0	0	0		0	0	0	0		0	0
2020	October	0	0	0		0	0	0	0		0	0
2020	November	5	0	5		5	0	0	0		0	5
2020	December	1	0	6		6	0	0	0		0	6

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C.10 Non-residential Office - 2019-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			0		0			0		0	0
2020	February			0		0			0		0	0
2020	March			0		0			0		0	0
2020	April			0		0			0		0	0
2020	May			0		0			0		0	0
2020	June			0		0			0		0	0
2020	July			0		0			0		0	0
2020	August			0		0			0		0	0
2020	September			0		0			0		0	0
2020	October			0		0			0		0	0
2020	November	9,674		9,674		9,674			0		0	9,674
2020	December	1,277		10,951		10,951			0		0	10,951

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			0		0			0		0	0			-			-
2020	February			0		0			0		0	0			-			-
2020	March			0		0			0		0	0			-			-
2020	April			0		0			0		0	0			-			-
2020	May			0		0			0		0	0			-			-
2020	June			0		0			0		0	0			-			-
2020	July			0		0			0		0	0			-			-
2020	August			0		0			0		0	0			-			-
2020	September			0		0			0		0	0			-			-
2020	October			0		0			0		0	0			-			-
2020	November	0		0		0			0		0	0	1,935		1,935	-		-
2020	December	0		0		0			0		0	0	1,825		1,825	-		-

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			6		6			-		-	6

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			6		6			-		-	6

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2020			6					-			6

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			6		6			-		-	6

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2020			6					-			6
2021			6					-			6
2022			6					-			6
2023			6					-			6
2024			6					-			6
2025			6					-			6
2026			6					-			6
2027			6					-			6
2028			6					-			6

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			20,626		20,626			-		-	20,626

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			131,417		131,417			-		-	131,417

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2020			20,626					-			20,626

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			20,626		20,626			0		0	20,626

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2020			20,626					-			20,626
2021			152,042					-			152,042
2022			283,459					-			283,459
2023			414,876					-			414,876
2024			546,293					-			546,293
2025			677,710					-			677,710
2026			809,126					-			809,126
2027			919,918					-			919,918
2028			919,918					-			919,918

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			-		-			-		-	-	3,438	-	3,438	-	-	-

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			-		-			-		-	-	21,903	-	21,903	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2020			-					-			-		-			-	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			-		-			-		-	-	3,438	-	3,438	-	-	-

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2020			-					-			-	3,438	-	3,438	-	-	-
2021			-					-			-	25,340	-	25,340	-	-	-
2022			-					-			-	47,243	-	47,243	-	-	-
2023			-					-			-	69,146	-	69,146	-	-	-
2024			-					-			-	91,049	-	91,049	-	-	-
2025			-					-			-	112,952	-	112,952	-	-	-
2026			-					-			-	134,854	-	134,854	-	-	-
2027			-					-			-	153,320	-	153,320	-	-	-
2028			-					-			-	153,320	-	153,320	-	-	-

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Program:	**Non-residential Window Film**
DSM Phase:	**7**
Type:	
Program Life in years	
Starting from 2020:	**10.0**

Table 1		**Participation**											
		Program Participants											
		VA					**NC**						**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	0		0	0	0	0		0	0
2020	February	0	0	0		0	0	0	0		0	0
2020	March	0	0	0		0	0	0	0		0	0
2020	April	2	0	2		2	0	0	0		0	2
2020	May	5	0	7		7	0	0	0		0	7
2020	June	2	0	9		9	0	0	0		0	9
2020	July	5	0	14		14	0	0	0		0	14
2020	August	6	0	20		20	1	0	1		1	21
2020	September	0	0	20		20	0	0	1		1	21
2020	October	1	0	21		21	0	0	1		1	22
2020	November	1	0	22		22	0	0	1		1	23
2020	December	0	0	22		22	0	0	1		1	23

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			0		0			0		0	0
2020	February			0		0			0		0	0
2020	March			0		0			0		0	0
2020	April	10,358		10,358		10,358			0		0	10,358
2020	May	216		10,574		10,574			0		0	10,574
2020	June	39		10,613		10,613			0		0	10,613
2020	July	10,307		20,921		20,921			0		0	20,921
2020	August	-264		20,657		20,657	1,452		1,452		1,452	22,109
2020	September			20,657		20,657			1,452		1,452	22,109
2020	October	24		20,681		20,681			1,452		1,452	22,133
2020	November	184		20,865		20,865			1,452		1,452	22,317
2020	December			20,865		20,865			1,452		1,452	22,317

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C.11 Non-residential Window Film (DSM VII) - 2019-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			0		0			0		0	0			-			-
2020	February			0		0			0		0	0			-			-
2020	March			0		0			0		0	0			-			-
2020	April	33		33		33			0		0	33	5,179		5,179	16.46		16.46
2020	May	1		34		34			0		0	34	1,511		1,511	4.85		4.85
2020	June	0		34		34			0		0	34	1,179		1,179	3.79		3.79
2020	July	43		78		78			0		0	78	1,494		1,494	5.54		5.54
2020	August	0		77		77	5		5		5	82	1,033	1,452	1,053	3.87	4.65	3.91
2020	September			77		77			5		5	82	1,033	1,452	1,053	3.87	4.65	3.91
2020	October	0		78		78			5		5	82	985	1,452	1,006	3.69	4.65	3.74
2020	November	1		78		78			5		5	83	948	1,452	970	3.55	4.65	3.60
2020	December			78		78			5		5	83	948	1,452	970	3.55	4.65	3.60

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			22		22			1		1	23

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			22		22			1		1	23

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2020			22					1			23

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			22		22			1		1	23

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2020			22					1			23
2021			22					1			23
2022			22					1			23
2023			22					1			23
2024			22					1			23
2025			22					1			23
2026			22					1			23
2027			22					1			23
2028			22					1			23
2029			22					1			23
2030			22					1			23
2031			22					1			23

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			156,190		156,190			7,262		7,262	163,453

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			250,377		250,377			17,430		17,430	267,807

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2020			156,190					7,262			163,453

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2020			156,190		156,190			7,262		7,262	163,453

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2020			156,190					7,262			163,453
2021			406,567					24,692			431,259
2022			656,944					42,122			699,066
2023			907,321					59,551			966,873
2024			1,157,698					76,981			1,234,679
2025			1,408,075					94,411			1,502,486
2026			1,658,452					111,840			1,770,293
2027			1,908,829					129,270			2,038,099
2028			2,159,206					146,700			2,305,906
2029			2,409,583					164,129			2,573,713
2030			2,503,770					174,297			2,678,067
2031			2,503,770					174,297			2,678,067

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			78		78			5		5	83	7,100	7,262	7,107	3.55	4.65	3.60

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			78		78			5		5	83	11,381	17,430	11,644	3.55	4.65	3.60

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2020			78					5			83		7,262			4.65	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2020			78		78			5		5	83	7,100	7,262	7,107	3.55	4.65	3.60

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)												IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2020			78					5			83	7,100	7,262	7,107	3.55	4.65	3.60
2021			78					5			83	18,480	24,692	18,750	3.55	4.65	3.60
2022			78					5			83	29,861	42,122	30,394	3.55	4.65	3.60
2023			78					5			83	41,242	59,551	42,038	3.55	4.65	3.60
2024			78					5			83	52,623	76,981	53,682	3.55	4.65	3.60
2025			78					5			83	64,003	94,411	65,325	3.55	4.65	3.60
2026			78					5			83	75,384	111,840	76,969	3.55	4.65	3.60
2027			78					5			83	86,765	129,270	88,613	3.55	4.65	3.60
2028			78					5			83	98,146	146,700	100,257	3.55	4.65	3.60
2029			78					5			83	109,527	164,129	111,901	3.55	4.65	3.60
2030			78					5			83	113,808	174,297	116,438	3.55	4.65	3.60
2031			78					5			83	113,808	174,297	116,438	3.55	4.65	3.60

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Program:	**Residential Lighting**
DSM Phase:	**1**
Type:	
Program Life in years	
Starting from 2010:	**9.4**

Table 1		**Participation**											
		Program Participants											
		VA					**NC**						**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2010	January	0	0	0		0	0	0	0		0	0
2010	February	0	0	0		0	0	0	0		0	0
2010	March	0	0	0		0	0	0	0		0	0
2010	April	0	0	0		0	0	0	0		0	0
2010	May	79,585	0	79,585		79,585	0	0	0		0	79,585
2010	June	71,318	0	150,903		150,903	0	0	0		0	150,903
2010	July	159,352	0	310,255		310,255	0	0	0		0	310,255
2010	August	455,987	0	766,242		766,242	0	0	0		0	766,242
2010	September	296,951	0	1,063,193		1,063,193	0	0	0		0	1,063,193
2010	October	311,925	0	1,375,118		1,375,118	0	0	0		0	1,375,118
2010	November	352,606	0	1,727,724		1,727,724	0	0	0		0	1,727,724
2010	December	288,755	0	2,016,479		2,016,479	0	0	0		0	2,016,479
2011	January	416,132	0	2,432,611		2,432,611	0	0	0		0	2,432,611
2011	February	239,046	0	2,671,657		2,671,657	0	0	0		0	2,671,657
2011	March	267,519	0	2,939,176		2,939,176	0	0	0		0	2,939,176
2011	April	188,281	0	3,127,457		3,127,457	0	0	0		0	3,127,457
2011	May	161,608	0	3,289,065		3,289,065	0	0	0		0	3,289,065
2011	June	125,422	0	3,414,487		3,414,487	276	0	276		276	3,414,763
2011	July	172,996	0	3,587,483		3,587,483	3,966	0	4,242		4,242	3,591,725
2011	August	158,263	0	3,745,746		3,745,746	4,495	0	8,737		8,737	3,754,483
2011	September	121,451	0	3,867,197		3,867,197	6,027	0	14,764		14,764	3,881,961
2011	October	112,373	0	3,979,570		3,979,570	5,419	0	20,183		20,183	3,999,753
2011	November	144,920	0	4,124,490		4,124,490	9,315	0	29,498		29,498	4,153,988
2011	December	98,019	0	4,222,509		4,222,509	7,622	0	37,120		37,120	4,259,629
2012	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2012	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629

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C.12 Residential Lighting (DSM I) - 2010-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2010	January			0		0			0		0	0
2010	February			0		0			0		0	0
2010	March			0		0			0		0	0
2010	April			0		0			0		0	0
2010	May	344,982		344,982		344,982			0		0	344,982
2010	June	309,825		654,807		654,807			0		0	654,807
2010	July	668,969		1,323,776		1,323,776			0		0	1,323,776
2010	August	1,882,804		3,206,580		3,206,580			0		0	3,206,580
2010	September	1,238,095		4,444,675		4,444,675			0		0	4,444,675
2010	October	1,298,394		5,743,069		5,743,069			0		0	5,743,069
2010	November	1,502,092		7,245,161		7,245,161			0		0	7,245,161
2010	December	1,224,888		8,470,048		8,470,048			0		0	8,470,048
2011	January	1,766,352		10,236,400		10,236,400			0		0	10,236,400
2011	February	1,031,795		11,268,195		11,268,195			0		0	11,268,195
2011	March	1,185,711		12,453,906		12,453,906			0		0	12,453,906
2011	April	838,704		13,292,610		13,292,610			0		0	13,292,610
2011	May	719,836		14,012,446		14,012,446			0		0	14,012,446
2011	June	561,271		14,573,717		14,573,717	1,127		1,127		1,127	14,574,845
2011	July	765,470		15,339,187		15,339,187	16,752		17,879		17,879	15,357,066
2011	August	709,364		16,048,551		16,048,551	19,622		37,501		37,501	16,086,052
2011	September	551,487		16,600,038		16,600,038	25,923		63,424		63,424	16,663,462
2011	October	516,258		17,116,296		17,116,296	22,941		86,365		86,365	17,202,662
2011	November	657,317		17,773,613		17,773,613	39,871		126,236		126,236	17,899,849
2011	December	423,998		18,197,610		18,197,610	30,666		156,902		156,902	18,354,513
2012	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2012	December			18,197,610		18,197,610			156,902		156,902	18,354,513

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2010	January			0		0			0		0	0			-			-
2010	February			0		0			0		0	0			-			-
2010	March			0		0			0		0	0			-			-
2010	April			0		0			0		0	0			-			-
2010	May	450		450		450			0		0	450	4		4	0.01		0.01
2010	June	404		855		855			0		0	855	4		4	0.01		0.01
2010	July	873		1,728		1,728			0		0	1,728	4		4	0.01		0.01
2010	August	2,458		4,186		4,186			0		0	4,186	4		4	0.01		0.01
2010	September	1,616		5,803		5,803			0		0	5,803	4		4	0.01		0.01
2010	October	1,695		7,498		7,498			0		0	7,498	4		4	0.01		0.01
2010	November	1,961		9,459		9,459			0		0	9,459	4		4	0.01		0.01
2010	December	1,599		11,058		11,058			0		0	11,058	4		4	0.01		0.01
2011	January	2,306		13,364		13,364			0		0	13,364	4		4	0.01		0.01
2011	February	1,347		14,711		14,711			0		0	14,711	4		4	0.01		0.01
2011	March	1,548		16,259		16,259			0		0	16,259	4		4	0.01		0.01
2011	April	1,095		17,354		17,354			0		0	17,354	4		4	0.01		0.01
2011	May	940		18,294		18,294			0		0	18,294	4		4	0.01		0.01
2011	June	733		19,027		19,027	1		1		1	19,029	4	4	4	0.01	0.01	0.01
2011	July	999		20,026		20,026	22		23		23	20,050	4	4	4	0.01	0.01	0.01
2011	August	926		20,953		20,953	26		49		49	21,002	4	4	4	0.01	0.01	0.01
2011	September	720		21,673		21,673	34		83		83	21,755	4	4	4	0.01	0.01	0.01
2011	October	674		22,347		22,347	30		113		113	22,459	4	4	4	0.01	0.01	0.01
2011	November	858		23,205		23,205	52		165		165	23,370	4	4	4	0.01	0.01	0.01
2011	December	554		23,758		23,758	40		205		205	23,963	4	4	4	0.01	0.01	0.01
2012	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2012	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2013	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2013	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2014	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2015	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2013	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2013	December			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2014	December			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2015	December			18,197,610		18,197,610			156,902		156,902	18,354,513

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2013	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2013	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2014	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2015	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2016	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2016	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2017	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	November	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2018	December	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2016	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2016	December			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2017	December			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	November			18,197,610		18,197,610			156,902		156,902	18,354,513
2018	December			18,197,610		18,197,610			156,902		156,902	18,354,513

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2016	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2016	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2017	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	November			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2018	December			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2019	January	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	February	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	March	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	April	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	May	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	June	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	July	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	August	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	September	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	October	0	0	4,222,509		4,222,509	0	0	37,120		37,120	4,259,629
2019	November	0	-79,585	4,142,924		4,142,924	0	0	37,120		37,120	4,180,044
2019	December	0	-71,318	4,071,606		4,071,606	0	0	37,120		37,120	4,108,726
2020	January	0	-159,352	3,912,254		3,912,254	0	0	37,120		37,120	3,949,374
2020	February	0	-455,987	3,456,267		3,456,267	0	0	37,120		37,120	3,493,387
2020	March	0	-296,951	3,159,316		3,159,316	0	0	37,120		37,120	3,196,436
2020	April	0	-311,925	2,847,391		2,847,391	0	0	37,120		37,120	2,884,511
2020	May	0	-352,606	2,494,785		2,494,785	0	0	37,120		37,120	2,531,905
2020	June	0	-288,755	2,206,030		2,206,030	0	0	37,120		37,120	2,243,150
2020	July	0	-416,132	1,789,898		1,789,898	0	0	37,120		37,120	1,827,018
2020	August	0	-239,046	1,550,852		1,550,852	0	0	37,120		37,120	1,587,972
2020	September	0	-267,519	1,283,333		1,283,333	0	0	37,120		37,120	1,320,453
2020	October	0	-188,281	1,095,052		1,095,052	0	0	37,120		37,120	1,132,172
2020	November	0	-161,608	933,444		933,444	0	0	37,120		37,120	970,564
2020	December	0	-125,422	808,022		808,022	0	-276	36,844		36,844	844,866

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	February			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	March			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	April			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	May			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	June			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	July			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	August			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	September			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	October			18,197,610		18,197,610			156,902		156,902	18,354,513
2019	November		-344,982	17,852,628		17,852,628			156,902		156,902	18,009,531
2019	December		-309,825	17,542,804		17,542,804			156,902		156,902	17,699,706
2020	January		-668,969	16,873,835		16,873,835			156,902		156,902	17,030,737
2020	February		-1,882,804	14,991,030		14,991,030			156,902		156,902	15,147,933
2020	March		-1,238,095	13,752,936		13,752,936			156,902		156,902	13,909,838
2020	April		-1,298,394	12,454,541		12,454,541			156,902		156,902	12,611,444
2020	May		-1,502,092	10,952,450		10,952,450			156,902		156,902	11,109,352
2020	June		-1,224,888	9,727,562		9,727,562			156,902		156,902	9,884,465
2020	July		-1,766,352	7,961,210		7,961,210			156,902		156,902	8,118,113
2020	August		-1,031,795	6,929,416		6,929,416			156,902		156,902	7,086,318
2020	September		-1,185,711	5,743,704		5,743,704			156,902		156,902	5,900,607
2020	October		-838,704	4,905,000		4,905,000			156,902		156,902	5,061,903
2020	November		-719,836	4,185,164		4,185,164			156,902		156,902	4,342,066
2020	December		-561,271	3,623,893		3,623,893		-1,127	155,775		155,775	3,779,668

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	February			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	March			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	April			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	May			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	June			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	July			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	August			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	September			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	October			23,758		23,758			205		205	23,963	4	4	4	0.01	0.01	0.01
2019	November		-450	23,308		23,308			205		205	23,513	4	4	4	0.01	0.01	0.01
2019	December		-404	22,903		22,903			205		205	23,108	4	4	4	0.01	0.01	0.01
2020	January		-873	22,030		22,030			205		205	22,235	4	4	4	0.01	0.01	0.01
2020	February		-2,458	19,572		19,572			205		205	19,777	4	4	4	0.01	0.01	0.01
2020	March		-1,616	17,955		17,955			205		205	18,160	4	4	4	0.01	0.01	0.01
2020	April		-1,695	16,260		16,260			205		205	16,465	4	4	4	0.01	0.01	0.01
2020	May		-1,961	14,299		14,299			205		205	14,504	4	4	4	0.01	0.01	0.01
2020	June		-1,599	12,700		12,700			205		205	12,905	4	4	4	0.01	0.01	0.01
2020	July		-2,306	10,394		10,394			205		205	10,599	4	4	4	0.01	0.01	0.01
2020	August		-1,347	9,047		9,047			205		205	9,252	4	4	4	0.01	0.01	0.01
2020	September		-1,548	7,499		7,499			205		205	7,704	4	4	4	0.01	0.01	0.01
2020	October		-1,095	6,404		6,404			205		205	6,609	4	4	4	0.01	0.01	0.01
2020	November		-940	5,464		5,464			205		205	5,669	4	4	4	0.01	0.01	0.01
2020	December		-733	4,731		4,731		-1	203		203	4,935	4	4	4	0.01	0.01	0.01

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			2,016,479		2,016,479			-		-	2,016,479
2011			2,206,030		2,206,030			37,120		37,120	2,243,150
2012			-		-			-		-	-
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-150,903		-150,903			-		-	-150,903
2020			-3,263,584		-3,263,584			-276		-276	-3,263,860

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			2,016,479		2,016,479			-		-	2,016,479
2011			2,206,030		2,206,030			37,120		37,120	2,243,150
2012			-		-			-		-	-
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-150,903		-150,903			-		-	-150,903
2020			-3,263,584		-3,263,584			-276		-276	-3,263,860

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			31,433,097		31,433,097			-		-	31,433,097
2011			75,271,992		75,271,992			489,435		489,435	75,761,427
2012			-		-			-		-	-
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-999,789		-999,789			-		-	-999,789
2020			-98,412,901		-98,412,901			-1,127		-1,127	-98,414,028

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			101,640,578		101,640,578			-		-	101,640,578
2011			116,730,746		116,730,746			1,882,829		1,882,829	118,613,576
2012			-		-			-		-	-
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-7,857,682		-7,857,682			-		-	-7,857,682
2020			-167,026,926		-167,026,926			-13,526		-13,526	-167,040,452

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			11,058		11,058			-		-	11,058	16	-	16	0.01	-	0.01
2011			12,700		12,700			205		205	12,905	34	13	34	0.01	0.01	0.01
2012			-		-			-		-	-	-	-	-	-	-	-
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			-		-	-	-	-	-	-	-	-
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-855		-855			-		-	-855	7	-	7	0.01	-	0.01
2020			-18,172		-18,172			-1		-1	-18,174	30	4	30	0.01	0.01	0.01

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			11,058		11,058			-		-	11,058	50	-	50	0.01	-	0.01
2011			12,700		12,700			205		205	12,905	53	51	53	0.01	0.01	0.01
2012			-		-			-		-	-	-	-	-	-	-	-
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			-		-	-	-	-	-	-	-	-
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-855		-855			-		-	-855	52	-	52	0.01	-	0.01
2020			-18,172		-18,172			-1		-1	-18,174	51	49	51	0.01	0.01	0.01

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2010			2,016,479					-			2,016,479
2011			4,222,509					37,120			4,259,629
2012			4,222,509					37,120			4,259,629
2013			2,206,030					37,120			2,243,150
2014			-					-			-
2015			-					-			-
2016			-					-			-
2017			-					-			-
2018			-					-			-
2019			-150,903					-			-150,903
2020			-3,414,487					-276			-3,414,763

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			2,016,479		2,016,479			-		-	2,016,479
2011			4,222,509		4,222,509			37,120		37,120	4,259,629
2012			4,222,509		4,222,509			37,120		37,120	4,259,629
2013			4,222,509		4,222,509			37,120		37,120	4,259,629
2014			4,222,509		4,222,509			37,120		37,120	4,259,629
2015			4,222,509		4,222,509			37,120		37,120	4,259,629
2016			4,222,509		4,222,509			37,120		37,120	4,259,629
2017			4,222,509		4,222,509			37,120		37,120	4,259,629
2018			4,222,509		4,222,509			37,120		37,120	4,259,629
2019			4,071,606		4,071,606			37,120		37,120	4,108,726
2020			808,022		808,022			36,844		36,844	844,866

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2010			2,016,479					-			2,016,479
2011			4,222,509					37,120			4,259,629
2012			4,222,509					37,120			4,259,629
2013			4,222,509					37,120			4,259,629
2014			4,222,509					37,120			4,259,629
2015			4,222,509					37,120			4,259,629
2016			4,222,509					37,120			4,259,629
2017			4,222,509					37,120			4,259,629
2018			4,222,509					37,120			4,259,629
2019			4,222,509					37,120			4,259,629
2020			4,222,509					37,120			4,259,629
2021			4,222,509					37,120			4,259,629
2022			4,222,509					37,120			4,259,629

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2010			31,433,097					-			31,433,097
2011			176,912,571					489,435			177,402,006
2012			218,371,325					1,882,829			220,254,154
2013			116,730,746					1,882,829			118,613,576
2014			-					-			-
2015			-					-			-
2016			-					-			-
2017			-					-			-
2018			-					-			-
2019			-999,789					-			-999,789
2020			-106,270,583					-1,127			-106,271,711

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			31,433,097		31,433,097			0		0	31,433,097
2011			176,912,571		176,912,571			489,435		489,435	177,402,006
2012			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2013			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2014			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2015			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2016			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2017			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2018			218,371,325		218,371,325			1,882,829		1,882,829	220,254,154
2019			217,371,536		217,371,536			1,882,829		1,882,829	219,254,365
2020			112,100,742		112,100,742			1,881,702		1,881,702	113,982,444

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2010			31,433,097					-			31,433,097
2011			208,345,668					489,435			208,835,103
2012			426,716,993					2,372,265			429,089,257
2013			645,088,317					4,255,094			649,343,412
2014			863,459,642					6,137,923			869,597,566
2015			1,081,830,967					8,020,753			1,089,851,720
2016			1,300,202,292					9,903,582			1,310,105,874
2017			1,518,573,617					11,786,412			1,530,360,029
2018			1,736,944,942					13,669,241			1,750,614,183
2019			1,954,316,478					15,552,070			1,969,868,548
2020			2,066,417,219					17,433,773			2,083,850,992
2021			2,074,527,586					17,886,879			2,092,414,465
2022			2,074,527,586					17,886,879			2,092,414,465

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2010			11,058					-			11,058		-			-	
2011			23,758					205			23,963		13			0.01	
2012			23,758					205			23,963		51			0.01	
2013			12,700					205			12,905		51			0.01	
2014			-					-			-		-			-	
2015			-					-			-		-			-	
2016			-					-			-		-			-	
2017			-					-			-		-			-	
2018			-					-			-		-			-	
2019			-855					-			-855		-			-	
2020			-19,027					-1			-19,029		4			0.01	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			11,058		11,058			-		-	11,058	16	-	16	0.01	-	0.01
2011			23,758		23,758			205		205	23,963	42	13	42	0.01	0.01	0.01
2012			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2013			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2014			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2015			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2016			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2017			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2018			23,758		23,758			205		205	23,963	52	51	52	0.01	0.01	0.01
2019			22,903		22,903			205		205	23,108	53	51	53	0.01	0.01	0.01
2020			4,731		4,731			203		203	4,935	139	51	135	0.01	0.01	0.01

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2010			11,058					-			11,058	16	-	16	0.01	-	0.01
2011			23,758					205			23,963	49	13	49	0.01	0.01	0.01
2012			23,758					205			23,963	101	64	101	0.01	0.01	0.01
2013			23,758					205			23,963	153	115	152	0.01	0.01	0.01
2014			23,758					205			23,963	204	165	204	0.01	0.01	0.01
2015			23,758					205			23,963	256	216	256	0.01	0.01	0.01
2016			23,758					205			23,963	308	267	308	0.01	0.01	0.01
2017			23,758					205			23,963	360	318	359	0.01	0.01	0.01
2018			23,758					205			23,963	411	368	411	0.01	0.01	0.01
2019			23,758					205			23,963	463	419	462	0.01	0.01	0.01
2020			23,758					205			23,963	489	470	489	0.01	0.01	0.01
2021			23,758					205			23,963	491	482	491	0.01	0.01	0.01
2022			23,758					205			23,963	491	482	491	0.01	0.01	0.01

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Program:	**Residential Low Income Program**
DSM Phase:	**1**
Type:	
Program Life in years	
Starting from 2010:	**13.6**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2010	January	0	0	0		0	0	0	0		0	0
2010	February	0	0	0		0	0	0	0		0	0
2010	March	0	0	0		0	0	0	0		0	0
2010	April	16	0	16		16	0	0	0		0	16
2010	May	114	0	130		130	0	0	0		0	130
2010	June	180	0	310		310	0	0	0		0	310
2010	July	180	0	490		490	0	0	0		0	490
2010	August	194	0	684		684	0	0	0		0	684
2010	September	188	0	872		872	0	0	0		0	872
2010	October	189	0	1,061		1,061	0	0	0		0	1,061
2010	November	180	0	1,241		1,241	0	0	0		0	1,241
2010	December	190	0	1,431		1,431	0	0	0		0	1,431
2011	January	267	0	1,698		1,698	0	0	0		0	1,698
2011	February	281	0	1,979		1,979	0	0	0		0	1,979
2011	March	305	0	2,284		2,284	0	0	0		0	2,284
2011	April	344	0	2,628		2,628	0	0	0		0	2,628
2011	May	348	0	2,976		2,976	0	0	0		0	2,976
2011	June	387	0	3,363		3,363	0	0	0		0	3,363
2011	July	295	0	3,658		3,658	18	0	18		18	3,676
2011	August	342	0	4,000		4,000	34	0	52		52	4,052
2011	September	344	0	4,344		4,344	21	0	73		73	4,417
2011	October	398	0	4,742		4,742	23	0	96		96	4,838
2011	November	358	0	5,100		5,100	23	0	119		119	5,219
2011	December	243	0	5,343		5,343	88	0	207		207	5,550
2012	January	345	0	5,688		5,688	55	0	262		262	5,950
2012	February	340	0	6,028		6,028	46	0	308		308	6,336
2012	March	416	0	6,444		6,444	35	0	343		343	6,787
2012	April	385	0	6,829		6,829	20	0	363		363	7,192
2012	May	343	0	7,172		7,172	0	0	363		363	7,535
2012	June	187	0	7,359		7,359	0	0	363		363	7,722
2012	July	111	0	7,470		7,470	0	0	363		363	7,833
2012	August	60	0	7,530		7,530	0	0	363		363	7,893
2012	September	49	0	7,579		7,579	0	0	363		363	7,942
2012	October	49	0	7,628		7,628	0	0	363		363	7,991
2012	November	71	0	7,699		7,699	0	0	363		363	8,062
2012	December	24	0	7,723		7,723	0	0	363		363	8,086

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2010	January			0		0			0		0	0
2010	February			0		0			0		0	0
2010	March			0		0			0		0	0
2010	April	1,937		1,937		1,937			0		0	1,937
2010	May	13,386		15,322		15,322			0		0	15,322
2010	June	20,195		35,518		35,518			0		0	35,518
2010	July	22,570		58,088		58,088			0		0	58,088
2010	August	23,924		82,011		82,011			0		0	82,011
2010	September	22,306		104,317		104,317			0		0	104,317
2010	October	23,117		127,434		127,434			0		0	127,434
2010	November	23,282		150,717		150,717			0		0	150,717
2010	December	22,070		172,787		172,787			0		0	172,787
2011	January	30,259		203,046		203,046			0		0	203,046
2011	February	32,147		235,193		235,193			0		0	235,193
2011	March	35,925		271,118		271,118			0		0	271,118
2011	April	40,456		311,574		311,574			0		0	311,574
2011	May	34,201		345,774		345,774			0		0	345,774
2011	June	39,903		385,678		385,678			0		0	385,678
2011	July	24,038		409,716		409,716	1,340		1,340		1,340	411,056
2011	August	27,606		437,322		437,322	2,626		3,966		3,966	441,288
2011	September	30,829		468,151		468,151	1,877		5,843		5,843	473,994
2011	October	41,470		509,620		509,620	2,040		7,883		7,883	517,504
2011	November	35,472		545,092		545,092	2,087		9,970		9,970	555,062
2011	December	22,084		567,176		567,176	8,835		18,805		18,805	585,981
2012	January	31,107		598,283		598,283	5,706		24,511		24,511	622,794
2012	February	33,495		631,777		631,777	4,777		29,288		29,288	661,066
2012	March	39,414		671,191		671,191	3,261		32,550		32,550	703,741
2012	April	35,656		706,847		706,847	1,519		34,069		34,069	740,916
2012	May	32,442		739,289		739,289			34,069		34,069	773,358
2012	June	15,658		754,947		754,947			34,069		34,069	789,016
2012	July	9,228		764,175		764,175			34,069		34,069	798,243
2012	August	5,636		769,810		769,810			34,069		34,069	803,879
2012	September	2,656		772,466		772,466			34,069		34,069	806,535
2012	October	3,988		776,454		776,454			34,069		34,069	810,523
2012	November	5,421		781,875		781,875			34,069		34,069	815,944
2012	December	1,683		783,558		783,558			34,069		34,069	817,626

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2010	January			0		0			0		0	0			-			-
2010	February			0		0			0		0	0			-			-
2010	March			0		0			0		0	0			-			-
2010	April	5		5		5			0		0	5	121		121	0.29		0.29
2010	May	38		42		42			0		0	42	118		118	0.33		0.33
2010	June	56		99		99			0		0	99	115		115	0.32		0.32
2010	July	61		160		160			0		0	160	119		119	0.33		0.33
2010	August	63		223		223			0		0	223	120		120	0.33		0.33
2010	September	64		287		287			0		0	287	120		120	0.33		0.33
2010	October	64		352		352			0		0	352	120		120	0.33		0.33
2010	November	64		416		416			0		0	416	121		121	0.34		0.34
2010	December	57		473		473			0		0	473	121		121	0.33		0.33
2011	January	81		553		553			0		0	553	120		120	0.33		0.33
2011	February	86		639		639			0		0	639	119		119	0.32		0.32
2011	March	95		735		735			0		0	735	119		119	0.32		0.32
2011	April	101		835		835			0		0	835	119		119	0.32		0.32
2011	May	82		918		918			0		0	918	116		116	0.31		0.31
2011	June	94		1,011		1,011			0		0	1,011	115		115	0.30		0.30
2011	July	53		1,065		1,065	3		3		3	1,067	112	74	112	0.29	0.14	0.29
2011	August	62		1,127		1,127	6		9		9	1,135	109	76	109	0.28	0.16	0.28
2011	September	69		1,196		1,196	5		14		14	1,210	108	80	107	0.28	0.19	0.27
2011	October	100		1,296		1,296	6		19		19	1,316	107	82	107	0.27	0.20	0.27
2011	November	83		1,379		1,379	4		23		23	1,402	107	84	106	0.27	0.20	0.27
2011	December	53		1,432		1,432	17		41		41	1,473	106	91	106	0.27	0.20	0.27
2012	January	82		1,514		1,514	14		55		55	1,569	105	94	105	0.27	0.21	0.26
2012	February	82		1,596		1,596	12		67		67	1,663	105	95	104	0.26	0.22	0.26
2012	March	88		1,684		1,684	7		74		74	1,758	104	95	104	0.26	0.22	0.26
2012	April	80		1,764		1,764	3		77		77	1,842	104	94	103	0.26	0.21	0.26
2012	May	76		1,840		1,840			77		77	1,917	103	94	103	0.26	0.21	0.25
2012	June	36		1,876		1,876			77		77	1,954	103	94	102	0.25	0.21	0.25
2012	July	22		1,898		1,898			77		77	1,975	102	94	102	0.25	0.21	0.25
2012	August	13		1,911		1,911			77		77	1,988	102	94	102	0.25	0.21	0.25
2012	September	5		1,916		1,916			77		77	1,994	102	94	102	0.25	0.21	0.25
2012	October	9		1,925		1,925			77		77	2,002	102	94	101	0.25	0.21	0.25
2012	November	11		1,936		1,936			77		77	2,013	102	94	101	0.25	0.21	0.25
2012	December	4		1,940		1,940			77		77	2,017	101	94	101	0.25	0.21	0.25

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2013	January	136	0	7,859		7,859	13	0	376		376	8,235
2013	February	168	0	8,027		8,027	13	0	389		389	8,416
2013	March	188	0	8,215		8,215	13	0	402		402	8,617
2013	April	211	0	8,426		8,426	3	0	405		405	8,831
2013	May	189	0	8,615		8,615	3	0	408		408	9,023
2013	June	147	0	8,762		8,762	0	0	408		408	9,170
2013	July	191	0	8,953		8,953	1	0	409		409	9,362
2013	August	172	0	9,125		9,125	25	0	434		434	9,559
2013	September	142	0	9,267		9,267	15	0	449		449	9,716
2013	October	181	0	9,448		9,448	14	0	463		463	9,911
2013	November	116	0	9,564		9,564	11	0	474		474	10,038
2013	December	42	0	9,606		9,606	9	0	483		483	10,089
2014	January	158	0	9,764		9,764	9	0	492		492	10,256
2014	February	150	0	9,914		9,914	12	0	504		504	10,418
2014	March	160	0	10,074		10,074	10	0	514		514	10,588
2014	April	152	0	10,226		10,226	11	0	525		525	10,751
2014	May	160	0	10,386		10,386	10	0	535		535	10,921
2014	June	160	0	10,546		10,546	12	0	547		547	11,093
2014	July	160	0	10,706		10,706	14	0	561		561	11,267
2014	August	162	0	10,868		10,868	11	0	572		572	11,440
2014	September	164	0	11,032		11,032	12	0	584		584	11,616
2014	October	153	0	11,185		11,185	12	0	596		596	11,781
2014	November	190	0	11,375		11,375	7	0	603		603	11,978
2014	December	111	0	11,486		11,486	0	0	603		603	12,089
2015	January	0	0	11,486		11,486	46	0	649		649	12,135
2015	February	0	0	11,486		11,486	50	0	699		699	12,185
2015	March	0	0	11,486		11,486	65	0	764		764	12,250
2015	April	0	0	11,486		11,486	67	0	831		831	12,317
2015	May	0	0	11,486		11,486	50	0	881		881	12,367
2015	June	0	0	11,486		11,486	47	0	928		928	12,414
2015	July	0	0	11,486		11,486	50	0	978		978	12,464
2015	August	0	0	11,486		11,486	62	0	1,040		1,040	12,526
2015	September	0	0	11,486		11,486	60	0	1,100		1,100	12,586
2015	October	0	0	11,486		11,486	60	0	1,160		1,160	12,646
2015	November	0	0	11,486		11,486	57	0	1,217		1,217	12,703
2015	December	0	0	11,486		11,486	39	0	1,256		1,256	12,742

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2013	January	9,992		793,550		793,550	1,063		35,131		35,131	828,681
2013	February	13,402		806,952		806,952	898		36,029		36,029	842,981
2013	March	14,026		820,978		820,978	977		37,006		37,006	857,984
2013	April	16,073		837,051		837,051	125		37,131		37,131	874,182
2013	May	13,888		850,939		850,939	273		37,404		37,404	888,343
2013	June	11,608		862,547		862,547			37,404		37,404	899,951
2013	July	15,121		877,668		877,668	36		37,440		37,440	915,108
2013	August	10,416		888,084		888,084	1,510		38,950		38,950	927,034
2013	September	9,757		897,841		897,841	841		39,791		39,791	937,632
2013	October	13,080		910,922		910,922	1,152		40,942		40,942	951,864
2013	November	8,501		919,423		919,423	1,135		42,077		42,077	961,501
2013	December	3,188		922,611		922,611	904		42,982		42,982	965,593
2014	January	12,664		935,276		935,276	685		43,667		43,667	978,943
2014	February	11,340		946,616		946,616	931		44,599		44,599	991,215
2014	March	12,520		959,136		959,136	401		45,000		45,000	1,004,136
2014	April	10,857		969,993		969,993	938		45,938		45,938	1,015,932
2014	May	11,390		981,384		981,384	620		46,558		46,558	1,027,942
2014	June	10,799		992,182		992,182	687		47,245		47,245	1,039,428
2014	July	12,533		1,004,716		1,004,716	1,077		48,323		48,323	1,053,038
2014	August	11,940		1,016,656		1,016,656	836		49,159		49,159	1,065,814
2014	September	13,833		1,030,489		1,030,489	1,008		50,167		50,167	1,080,655
2014	October	12,322		1,042,810		1,042,810	878		51,044		51,044	1,093,855
2014	November	15,559		1,058,369		1,058,369	485		51,530		51,530	1,109,899
2014	December	9,325		1,067,694		1,067,694			51,530		51,530	1,119,224
2015	January			1,067,694		1,067,694	2,614		54,144		54,144	1,121,838
2015	February			1,067,694		1,067,694	3,449		57,593		57,593	1,125,287
2015	March			1,067,694		1,067,694	4,214		61,807		61,807	1,129,501
2015	April			1,067,694		1,067,694	4,493		66,300		66,300	1,133,994
2015	May			1,067,694		1,067,694	3,239		69,538		69,538	1,137,232
2015	June			1,067,694		1,067,694	3,411		72,949		72,949	1,140,643
2015	July			1,067,694		1,067,694	3,374		76,323		76,323	1,144,017
2015	August			1,067,694		1,067,694	4,310		80,633		80,633	1,148,327
2015	September			1,067,694		1,067,694	4,905		85,538		85,538	1,153,232
2015	October			1,067,694		1,067,694	4,205		89,742		89,742	1,157,437
2015	November			1,067,694		1,067,694	3,478		93,220		93,220	1,160,914
2015	December			1,067,694		1,067,694	3,101		96,322		96,322	1,164,016

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2013	January	24		1,964		1,964	3		81		81	2,044	101	93	101	0.25	0.21	0.25
2013	February	35		1,998		1,998	3		84		84	2,082	101	93	100	0.25	0.21	0.25
2013	March	35		2,033		2,033	3		86		86	2,119	100	92	100	0.25	0.21	0.25
2013	April	40		2,073		2,073	0		87		87	2,159	99	92	99	0.25	0.21	0.24
2013	May	33		2,106		2,106	1		87		87	2,193	99	92	98	0.24	0.21	0.24
2013	June	31		2,137		2,137			87		87	2,224	98	92	98	0.24	0.21	0.24
2013	July	39		2,176		2,176	0		87		87	2,263	98	92	98	0.24	0.21	0.24
2013	August	23		2,198		2,198	4		91		91	2,290	97	90	97	0.24	0.21	0.24
2013	September	24		2,223		2,223	2		94		94	2,316	97	89	97	0.24	0.21	0.24
2013	October	34		2,256		2,256	4		97		97	2,353	96	88	96	0.24	0.21	0.24
2013	November	21		2,278		2,278	4		101		101	2,379	96	89	96	0.24	0.21	0.24
2013	December	8		2,285		2,285	3		104		104	2,389	96	89	96	0.24	0.22	0.24
2014	January	30		2,315		2,315	2		106		106	2,421	96	89	95	0.24	0.21	0.24
2014	February	29		2,344		2,344	3		108		108	2,453	95	88	95	0.24	0.21	0.24
2014	March	32		2,376		2,376	1		110		110	2,486	95	88	95	0.24	0.21	0.23
2014	April	26		2,402		2,402	3		112		112	2,514	95	88	94	0.23	0.21	0.23
2014	May	26		2,428		2,428	2		114		114	2,543	94	87	94	0.23	0.21	0.23
2014	June	23		2,451		2,451	2		116		116	2,567	94	86	94	0.23	0.21	0.23
2014	July	27		2,478		2,478	3		119		119	2,597	94	86	93	0.23	0.21	0.23
2014	August	27		2,506		2,506	2		121		121	2,627	94	86	93	0.23	0.21	0.23
2014	September	31		2,537		2,537	2		124		124	2,661	93	86	93	0.23	0.21	0.23
2014	October	29		2,566		2,566	2		126		126	2,692	93	86	93	0.23	0.21	0.23
2014	November	35		2,601		2,601	1		127		127	2,728	93	85	93	0.23	0.21	0.23
2014	December	20		2,621		2,621			127		127	2,748	93	85	93	0.23	0.21	0.23
2015	January			2,621		2,621	6		133		133	2,754	93	83	92	0.23	0.20	0.23
2015	February			2,621		2,621	9		142		142	2,763	93	82	92	0.23	0.20	0.23
2015	March			2,621		2,621	11		153		153	2,774	93	81	92	0.23	0.20	0.23
2015	April			2,621		2,621	11		164		164	2,786	93	80	92	0.23	0.20	0.23
2015	May			2,621		2,621	8		173		173	2,794	93	79	92	0.23	0.20	0.23
2015	June			2,621		2,621	9		182		182	2,803	93	79	92	0.23	0.20	0.23
2015	July			2,621		2,621	9		191		191	2,812	93	78	92	0.23	0.19	0.23
2015	August			2,621		2,621	12		203		203	2,824	93	78	92	0.23	0.20	0.23
2015	September			2,621		2,621	17		219		219	2,841	93	78	92	0.23	0.20	0.23
2015	October			2,621		2,621	14		233		233	2,855	93	77	92	0.23	0.20	0.23
2015	November			2,621		2,621	10		244		244	2,865	93	77	91	0.23	0.20	0.23
2015	December			2,621		2,621	11		254		254	2,876	93	77	91	0.23	0.20	0.23

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2016	January	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	February	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	March	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	April	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	May	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	June	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	July	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	August	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	September	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	October	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	November	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2016	December	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	January	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	February	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	March	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	April	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	May	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	June	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	July	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	August	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	September	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	October	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	November	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2017	December	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	January	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	February	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	March	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	April	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	May	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	June	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	July	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	August	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	September	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	October	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	November	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2018	December	0	0	11,486		11,486	0	0	1,256		1,256	12,742

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2016	January			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	February			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	March			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	April			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	May			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	June			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	July			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	August			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	September			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	October			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	November			1,067,694		1,067,694			96,322		96,322	1,164,016
2016	December			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	January			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	February			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	March			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	April			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	May			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	June			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	July			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	August			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	September			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	October			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	November			1,067,694		1,067,694			96,322		96,322	1,164,016
2017	December			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	January			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	February			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	March			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	April			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	May			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	June			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	July			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	August			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	September			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	October			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	November			1,067,694		1,067,694			96,322		96,322	1,164,016
2018	December			1,067,694		1,067,694			96,322		96,322	1,164,016

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2016	January			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	February			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	March			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	April			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	May			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	June			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	July			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	August			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	September			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	October			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	November			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2016	December			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	January			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	February			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	March			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	April			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	May			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	June			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	July			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	August			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	September			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	October			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	November			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2017	December			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	January			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	February			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	March			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	April			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	May			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	June			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	July			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	August			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	September			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	October			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	November			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2018	December			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2019	January	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	February	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	March	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	April	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	May	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	June	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	July	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	August	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	September	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	October	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	November	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2019	December	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	January	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	February	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	March	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	April	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	May	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	June	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	July	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	August	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	September	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	October	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	November	0	0	11,486		11,486	0	0	1,256		1,256	12,742
2020	December	0	0	11,486		11,486	0	0	1,256		1,256	12,742

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	February			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	March			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	April			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	May			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	June			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	July			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	August			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	September			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	October			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	November			1,067,694		1,067,694			96,322		96,322	1,164,016
2019	December			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	January			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	February			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	March			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	April			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	May			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	June			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	July			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	August			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	September			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	October			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	November			1,067,694		1,067,694			96,322		96,322	1,164,016
2020	December			1,067,694		1,067,694			96,322		96,322	1,164,016

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	February			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	March			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	April			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	May			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	June			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	July			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	August			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	September			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	October			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	November			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2019	December			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	January			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	February			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	March			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	April			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	May			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	June			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	July			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	August			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	September			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	October			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	November			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23
2020	December			2,621		2,621			254		254	2,876	93	77	91	0.23	0.20	0.23

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			1,431		1,431			-		-	1,431
2011			3,912		3,912			207		207	4,119
2012			2,380		2,380			156		156	2,536
2013			1,883		1,883			120		120	2,003
2014			1,880		1,880			120		120	2,000
2015			-		-			653		653	653
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			1,431		1,431			-		-	1,431
2011			3,912		3,912			207		207	4,119
2012			2,380		2,380			156		156	2,536
2013			1,883		1,883			120		120	2,003
2014			1,880		1,880			120		120	2,000
2015			-		-			653		653	653
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			748,131		748,131			-		-	748,131
2011			2,616,018		2,616,018			47,808		47,808	2,663,827
2012			1,944,560		1,944,560			167,305		167,305	2,111,865
2013			985,875		985,875			53,461		53,461	1,039,336
2014			933,985		933,985			58,977		58,977	992,961
2015			-		-			285,752		285,752	285,752
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			2,073,442		2,073,442			-		-	2,073,442
2011			4,732,672		4,732,672			225,663		225,663	4,958,335
2012			2,596,580		2,596,580			183,162		183,162	2,779,741
2013			1,668,643		1,668,643			106,958		106,958	1,775,601
2014			1,740,993		1,740,993			102,573		102,573	1,843,566
2015			-		-			537,503		537,503	537,503
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			473		473			-		-	473	523	-	523	0.33	-	0.33
2011			959		959			41		41	1,000	669	231	647	0.25	0.20	0.24
2012			508		508			36		36	544	817	1,072	833	0.21	0.23	0.21
2013			346		346			27		27	372	524	446	519	0.18	0.22	0.19
2014			336		336			23		23	359	497	491	496	0.18	0.19	0.18
2015			-		-			128		128	128	-	438	438	-	0.20	0.20
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			473		473			-		-	473	1,449	-	1,449	0.33	-	0.33
2011			959		959			41		41	1,000	1,210	1,090	1,204	0.25	0.20	0.24
2012			508		508			36		36	544	1,091	1,174	1,096	0.21	0.23	0.21
2013			346		346			27		27	372	886	891	886	0.18	0.22	0.19
2014			336		336			23		23	359	926	855	922	0.18	0.19	0.18
2015			-		-			128		128	128	-	823	823	-	0.20	0.20
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2010			1,431					-			1,431
2011			5,343					207			5,550
2012			7,723					363			8,086
2013			8,175					483			8,658
2014			6,143					396			6,539
2015			3,763					893			4,656
2016			1,880					773			2,653
2017			-					653			653
2018			-					-			-
2019			-					-			-
2020			-					-			-

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			1,431		1,431			-		-	1,431
2011			5,343		5,343			207		207	5,550
2012			7,723		7,723			363		363	8,086
2013			9,606		9,606			483		483	10,089
2014			11,486		11,486			603		603	12,089
2015			11,486		11,486			1,256		1,256	12,742
2016			11,486		11,486			1,256		1,256	12,742
2017			11,486		11,486			1,256		1,256	12,742
2018			11,486		11,486			1,256		1,256	12,742
2019			11,486		11,486			1,256		1,256	12,742
2020			11,486		11,486			1,256		1,256	12,742

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2010			1,431					-			1,431
2011			5,343					207			5,550
2012			7,723					363			8,086
2013			9,606					483			10,089
2014			11,486					603			12,089
2015			11,486					1,256			12,742
2016			11,486					1,256			12,742
2017			11,486					1,256			12,742
2018			11,486					1,256			12,742
2019			11,486					1,256			12,742
2020			11,486					1,256			12,742
2021			11,486					1,256			12,742
2022			11,486					1,256			12,742
2023			11,486					1,256			12,742
2024			11,486					1,256			12,742
2025			11,486					1,256			12,742
2026			11,486					1,256			12,742
2027			11,486					1,256			12,742
2028			11,486					1,256			12,742
2029			11,486					1,256			12,742
2030			11,486					1,256			12,742

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2010			748,131					-			748,131
2011			4,689,460					47,808			4,737,268
2012			8,750,673					392,968			9,143,641
2013			8,315,126					462,286			8,777,412
2014			5,199,208					349,096			5,548,304
2015			3,409,637					495,283			3,904,920
2016			1,740,993					640,076			2,381,069
2017			-					537,503			537,503
2018			-					-			-
2019			-					-			-
2020			-					-			-

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			748,131		748,131			0		0	748,131
2011			4,689,460		4,689,460			47,808		47,808	4,737,268
2012			8,750,673		8,750,673			392,968		392,968	9,143,641
2013			10,388,568		10,388,568			462,286		462,286	10,850,854
2014			12,005,321		12,005,321			574,759		574,759	12,580,080
2015			12,812,330		12,812,330			904,108		904,108	13,716,438
2016			12,812,330		12,812,330			1,155,859		1,155,859	13,968,188
2017			12,812,330		12,812,330			1,155,859		1,155,859	13,968,188
2018			12,812,330		12,812,330			1,155,859		1,155,859	13,968,188
2019			12,812,330		12,812,330			1,155,859		1,155,859	13,968,188
2020			12,812,330		12,812,330			1,155,859		1,155,859	13,968,188

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2010			748,131					-			748,131
2011			5,437,590					47,808			5,485,399
2012			14,188,264					440,776			14,629,040
2013			24,576,832					903,062			25,479,894
2014			36,582,153					1,477,821			38,059,974
2015			49,394,482					2,381,930			51,776,412
2016			62,206,812					3,537,788			65,744,600
2017			75,019,142					4,693,647			79,712,789
2018			87,831,471					5,849,506			93,680,977
2019			100,643,801					7,005,365			107,649,166
2020			113,456,131					8,161,223			121,617,354
2021			126,268,460					9,317,082			135,585,542
2022			139,080,790					10,472,941			149,553,731
2023			151,891,183					11,628,800			163,519,983
2024			162,936,388					12,784,658			175,721,047
2025			169,472,090					13,772,291			183,244,381
2026			172,883,314					14,510,303			187,393,616
2027			174,754,586					15,169,968			189,924,554
2028			175,101,839					15,690,429			190,792,267
2029			175,101,839					15,796,736			190,898,575
2030			175,101,839					15,796,736			190,898,575

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)										PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)									Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2010			473					-			473		-			-	
2011			1,432					41			1,473		231			0.20	
2012			1,940					77			2,017		1,083			0.21	
2013			1,813					104			1,917		957			0.22	
2014			1,189					86			1,275		882			0.22	
2015			681					177			859		555			0.20	
2016			336					151			486		828			0.19	
2017			-					128			128		823			0.20	
2018			-					-			-		-			-	
2019			-					-			-		-			-	
2020			-					-			-		-			-	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			473		473			-		-	473	523	-	523	0.33	-	0.33
2011			1,432		1,432			41		41	1,473	878	231	854	0.27	0.20	0.27
2012			1,940		1,940			77		77	2,017	1,133	1,083	1,131	0.25	0.21	0.25
2013			2,285		2,285			104		104	2,389	1,081	957	1,076	0.24	0.22	0.24
2014			2,621		2,621			127		127	2,748	1,045	953	1,041	0.23	0.21	0.23
2015			2,621		2,621			254		254	2,876	1,115	720	1,076	0.23	0.20	0.23
2016			2,621		2,621			254		254	2,876	1,115	920	1,096	0.23	0.20	0.23
2017			2,621		2,621			254		254	2,876	1,115	920	1,096	0.23	0.20	0.23
2018			2,621		2,621			254		254	2,876	1,115	920	1,096	0.23	0.20	0.23
2019			2,621		2,621			254		254	2,876	1,115	920	1,096	0.23	0.20	0.23
2020			2,621		2,621			254		254	2,876	1,115	920	1,096	0.23	0.20	0.23

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)										IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)									Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP		System IRP	VA	NC	System	VA	NC	System
2010			473					-		473	523	-	523	0.33	-	0.33
2011			1,432					41		1,473	1,018	231	988	0.27	0.20	0.27
2012			1,940					77		2,017	1,837	1,214	1,809	0.25	0.21	0.25
2013			2,285					104		2,389	2,558	1,870	2,526	0.24	0.22	0.24
2014			2,621					127		2,748	3,185	2,451	3,148	0.23	0.21	0.23
2015			2,621					254		2,876	4,300	1,896	4,063	0.23	0.20	0.23
2016			2,621					254		2,876	5,416	2,817	5,160	0.23	0.20	0.23
2017			2,621					254		2,876	6,531	3,737	6,256	0.23	0.20	0.23
2018			2,621					254		2,876	7,647	4,657	7,352	0.23	0.20	0.23
2019			2,621					254		2,876	8,762	5,578	8,448	0.23	0.20	0.23
2020			2,621					254		2,876	9,878	6,498	9,545	0.23	0.20	0.23
2021			2,621					254		2,876	10,993	7,418	10,641	0.23	0.20	0.23
2022			2,621					254		2,876	12,109	8,338	11,737	0.23	0.20	0.23
2023			2,621					254		2,876	13,224	9,259	12,833	0.23	0.20	0.23
2024			2,621					254		2,876	14,186	10,179	13,791	0.23	0.20	0.23
2025			2,621					254		2,876	14,755	10,965	14,381	0.23	0.20	0.23
2026			2,621					254		2,876	15,052	11,553	14,707	0.23	0.20	0.23
2027			2,621					254		2,876	15,215	12,078	14,905	0.23	0.20	0.23
2028			2,621					254		2,876	15,245	12,492	14,973	0.23	0.20	0.23
2029			2,621					254		2,876	15,245	12,577	14,982	0.23	0.20	0.23
2030			2,621					254		2,876	15,245	12,577	14,982	0.23	0.20	0.23

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Program:	**Residential Heat Pump Tune-up**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**5.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	139	0	139		139	0	0	0		0	139
2012	November	579	0	718		718	0	0	0		0	718
2012	December	494	0	1,212		1,212	0	0	0		0	1,212
2013	January	536	0	1,748		1,748	0	0	0		0	1,748
2013	February	2,124	0	3,872		3,872	0	0	0		0	3,872
2013	March	2,194	0	6,066		6,066	0	0	0		0	6,066
2013	April	876	0	6,942		6,942	0	0	0		0	6,942
2013	May	1,779	0	8,721		8,721	0	0	0		0	8,721
2013	June	1,236	0	9,957		9,957	0	0	0		0	9,957
2013	July	888	0	10,845		10,845	0	0	0		0	10,845
2013	August	570	0	11,415		11,415	0	0	0		0	11,415
2013	September	1,275	0	12,690		12,690	0	0	0		0	12,690
2013	October	1,408	0	14,098		14,098	0	0	0		0	14,098
2013	November	1,323	0	15,421		15,421	0	0	0		0	15,421
2013	December	1,424	0	16,845		16,845	0	0	0		0	16,845
2014	January	995	0	17,840		17,840	0	0	0		0	17,840
2014	February	1,178	0	19,018		19,018	0	0	0		0	19,018
2014	March	949	0	19,967		19,967	0	0	0		0	19,967
2014	April	1,865	0	21,832		21,832	0	0	0		0	21,832
2014	May	2,465	0	24,297		24,297	3	0	3		3	24,300
2014	June	3,699	0	27,996		27,996	3	0	6		6	28,002
2014	July	3,427	0	31,423		31,423	2	0	8		8	31,431
2014	August	2,727	0	34,150		34,150	17	0	25		25	34,175
2014	September	2,248	0	36,398		36,398	14	0	39		39	36,437
2014	October	1,621	0	38,019		38,019	82	0	121		121	38,140
2014	November	1,833	0	39,852		39,852	263	0	384		384	40,236
2014	December	1,680	0	41,532		41,532	197	0	581		581	42,113

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October	3,572		3,572		3,572			0		0	3,572
2012	November	14,549		18,122		18,122			0		0	18,122
2012	December	12,336		30,457		30,457			0		0	30,457
2013	January	13,583		44,041		44,041			0		0	44,041
2013	February	53,678		97,719		97,719			0		0	97,719
2013	March	53,912		151,631		151,631			0		0	151,631
2013	April	21,668		173,299		173,299			0		0	173,299
2013	May	43,704		217,003		217,003			0		0	217,003
2013	June	30,932		247,935		247,935			0		0	247,935
2013	July	21,983		269,918		269,918			0		0	269,918
2013	August	13,974		283,891		283,891			0		0	283,891
2013	September	31,243		315,134		315,134			0		0	315,134
2013	October	34,370		349,505		349,505			0		0	349,505
2013	November	31,563		381,068		381,068			0		0	381,068
2013	December	33,154		414,221		414,221			0		0	414,221
2014	January	20,832		435,054		435,054			0		0	435,054
2014	February	25,304		460,358		460,358			0		0	460,358
2014	March	19,914		480,272		480,272			0		0	480,272
2014	April	37,986		518,258		518,258			0		0	518,258
2014	May	52,729		570,987		570,987	114		114		114	571,101
2014	June	76,005		646,992		646,992	102		216		216	647,207
2014	July	73,221		720,213		720,213	46		262		262	720,475
2014	August	56,768		776,981		776,981	378		640		640	777,621
2014	September	45,321		822,302		822,302	301		941		941	823,243
2014	October	35,573		857,874		857,874	1,766		2,706		2,706	860,581
2014	November	41,709		899,584		899,584	5,665		8,371		8,371	907,955
2014	December	37,137		936,720		936,720	4,533		12,905		12,905	949,625

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October	29		29		29			0		0	29	26		26	0.21		0.21
2012	November	119		149		149			0		0	149	25		25	0.21		0.21
2012	December	101		250		250			0		0	250	25		25	0.21		0.21
2013	January	111		361		361			0		0	361	25		25	0.21		0.21
2013	February	440		801		801			0		0	801	25		25	0.21		0.21
2013	March	444		1,245		1,245			0		0	1,245	25		25	0.21		0.21
2013	April	179		1,424		1,424			0		0	1,424	25		25	0.21		0.21
2013	May	362		1,786		1,786			0		0	1,786	25		25	0.20		0.20
2013	June	257		2,043		2,043			0		0	2,043	25		25	0.21		0.21
2013	July	181		2,224		2,224			0		0	2,224	25		25	0.21		0.21
2013	August	115		2,339		2,339			0		0	2,339	25		25	0.20		0.20
2013	September	256		2,595		2,595			0		0	2,595	25		25	0.20		0.20
2013	October	282		2,877		2,877			0		0	2,877	25		25	0.20		0.20
2013	November	260		3,137		3,137			0		0	3,137	25		25	0.20		0.20
2013	December	273		3,410		3,410			0		0	3,410	25		25	0.20		0.20
2014	January	190		3,600		3,600			0		0	3,600	24		24	0.20		0.20
2014	February	233		3,833		3,833			0		0	3,833	24		24	0.20		0.20
2014	March	182		4,016		4,016			0		0	4,016	24		24	0.20		0.20
2014	April	349		4,364		4,364			0		0	4,364	24		24	0.20		0.20
2014	May	490		4,855		4,855	1		1		1	4,855	24	38	24	0.20	0.24	0.20
2014	June	702		5,557		5,557	1		1		1	5,558	23	36	23	0.20	0.22	0.20
2014	July	684		6,241		6,241	0		2		2	6,243	23	33	23	0.20	0.20	0.20
2014	August	525		6,767		6,767	2		4		4	6,770	23	26	23	0.20	0.16	0.20
2014	September	421		7,187		7,187	2		6		6	7,193	23	24	23	0.20	0.15	0.20
2014	October	341		7,529		7,529	11		17		17	7,545	23	22	23	0.20	0.14	0.20
2014	November	407		7,935		7,935	36		53		53	7,988	23	22	23	0.20	0.14	0.20
2014	December	356		8,291		8,291	27		80		80	8,371	23	22	23	0.20	0.14	0.20

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2015	January	1,968	0	43,500		43,500	448	0	1,029		1,029	44,529
2015	February	1,931	0	45,431		45,431	316	0	1,345		1,345	46,776
2015	March	1,219	0	46,650		46,650	254	0	1,599		1,599	48,249
2015	April	3,141	0	49,791		49,791	342	0	1,941		1,941	51,732
2015	May	2,128	0	51,919		51,919	313	0	2,254		2,254	54,173
2015	June	2,085	0	54,004		54,004	523	0	2,777		2,777	56,781
2015	July	2,133	0	56,137		56,137	282	0	3,059		3,059	59,196
2015	August	1,931	0	58,068		58,068	171	0	3,230		3,230	61,298
2015	September	1,873	0	59,941		59,941	336	0	3,566		3,566	63,507
2015	October	1,900	0	61,841		61,841	169	0	3,735		3,735	65,576
2015	November	1,866	0	63,707		63,707	102	0	3,837		3,837	67,544
2015	December	1,939	0	65,646		65,646	51	0	3,888		3,888	69,534
2016	January	1,761	0	67,407		67,407	94	0	3,982		3,982	71,389
2016	February	2,101	0	69,508		69,508	170	0	4,152		4,152	73,660
2016	March	1,113	0	70,621		70,621	117	0	4,269		4,269	74,890
2016	April	1,726	0	72,347		72,347	159	0	4,428		4,428	76,775
2016	May	1,550	0	73,897		73,897	96	0	4,524		4,524	78,421
2016	June	1,649	0	75,546		75,546	179	0	4,703		4,703	80,249
2016	July	1,259	0	76,805		76,805	100	0	4,803	100	4,803	81,608
2016	August	1,754	0	78,559		78,559	113	0	4,916	213	4,916	83,475
2016	September	1,313	0	79,872		79,872	54	0	4,970	267	4,970	84,842
2016	October	1,644	0	81,516		81,516	54	0	5,024	321	5,024	86,540
2016	November	2,249	0	83,765		83,765	71	0	5,095	392	392	88,860
2016	December	889	0	84,654		84,654	67	0	5,162		459	89,816
2017	January	2,221	0	86,875		86,875	80	0	5,242		539	92,117
2017	February	219	0	87,094		87,094	29	0	5,271		568	92,365
2017	March	32	0	87,126		87,126	16	0	5,287		584	92,413
2017	April	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	May	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	June	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	July	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	August	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	September	0	0	87,126		87,126	0	0	5,287		584	92,413
2017	October	0	-139	86,987		86,987	0	0	5,287		584	92,274
2017	November	0	-579	86,408		86,408	0	0	5,287		584	91,695
2017	December	0	-494	85,914		85,914	0	0	5,287		584	91,201

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	37,286		974,006		974,006	9,510		22,415		22,415	996,421
2015	February	34,162		1,008,168		1,008,168	6,487		28,902		28,902	1,037,070
2015	March	22,609		1,030,777		1,030,777	5,505		34,407		34,407	1,065,184
2015	April	54,329		1,085,106		1,085,106	7,479		41,886		41,886	1,126,992
2015	May	37,020		1,122,126		1,122,126	6,603		48,490		48,490	1,170,616
2015	June	35,641		1,157,767		1,157,767	11,242		59,732		59,732	1,217,499
2015	July	34,169		1,191,936		1,191,936	6,006		65,738		65,738	1,257,674
2015	August	31,994		1,223,930		1,223,930	3,569		69,307		69,307	1,293,237
2015	September	32,713		1,256,643		1,256,643	7,067		76,374		76,374	1,333,016
2015	October	34,727		1,291,370		1,291,370	3,642		80,016		80,016	1,371,386
2015	November	32,957		1,324,327		1,324,327	2,167		82,183		82,183	1,406,510
2015	December	34,654		1,358,981		1,358,981	1,030		83,212		83,212	1,442,193
2016	January	30,996		1,389,976		1,389,976	2,058		85,271		85,271	1,475,247
2016	February	37,913		1,427,890		1,427,890	3,405		88,676		88,676	1,516,565
2016	March	19,660		1,447,549		1,447,549	2,489		91,165		91,165	1,538,714
2016	April	30,907		1,478,456		1,478,456	3,287		94,452		94,452	1,572,908
2016	May	29,652		1,508,108		1,508,108	2,009		96,461		96,461	1,604,569
2016	June	31,531		1,539,639		1,539,639	3,809		100,270		100,270	1,639,909
2016	July	22,980		1,562,619		1,562,619	2,244		102,514	2,244	102,514	1,665,133
2016	August	30,668		1,593,287		1,593,287	2,436		104,950	4,680	104,950	1,698,237
2016	September	21,890		1,615,178		1,615,178	1,075		106,024	5,754	106,024	1,721,202
2016	October	26,927		1,642,105		1,642,105	1,121		107,146	6,876	107,146	1,749,251
2016	November	37,956		1,680,061		1,680,061	1,594		108,739	8,470	8,470	1,788,801
2016	December	15,198		1,695,259		1,695,259	1,363		110,102		9,832	1,805,361
2017	January	37,047		1,732,306		1,732,306	1,696		111,799		11,529	1,844,105
2017	February	4,049		1,736,355		1,736,355	592		112,390		12,120	1,848,745
2017	March	637		1,736,992		1,736,992	383		112,773		12,503	1,849,765
2017	April			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	May			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	June			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	July			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	August			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	September			1,736,992		1,736,992			112,773		12,503	1,849,765
2017	October		-3,572	1,733,420		1,733,420			112,773		12,503	1,846,193
2017	November		-14,549	1,718,870		1,718,870			112,773		12,503	1,831,644
2017	December		-12,336	1,706,535		1,706,535			112,773		12,503	1,819,308

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	338		8,629		8,629	84		164		164	8,793	22	22	22	0.20	0.16	0.20
2015	February	306		8,935		8,935	58		222		222	9,157	22	21	22	0.20	0.16	0.20
2015	March	203		9,139		9,139	49		270		270	9,409	22	22	22	0.20	0.17	0.20
2015	April	483		9,621		9,621	66		337		337	9,958	22	22	22	0.19	0.17	0.19
2015	May	332		9,953		9,953	59		396		396	10,349	22	22	22	0.19	0.18	0.19
2015	June	318		10,272		10,272	100		495		495	10,767	21	22	21	0.19	0.18	0.19
2015	July	298		10,570		10,570	53		549		549	11,118	21	21	21	0.19	0.18	0.19
2015	August	282		10,851		10,851	32		581		581	11,432	21	21	21	0.19	0.18	0.19
2015	September	291		11,143		11,143	63		644		644	11,786	21	21	21	0.19	0.18	0.19
2015	October	308		11,450		11,450	33		677		677	12,127	21	21	21	0.19	0.18	0.18
2015	November	289		11,739		11,739	19		696		696	12,435	21	21	21	0.18	0.18	0.18
2015	December	304		12,043		12,043	9		705		705	12,749	21	21	21	0.18	0.18	0.18
2016	January	275		12,318		12,318	18		723		723	13,042	21	21	21	0.18	0.18	0.18
2016	February	336		12,654		12,654	30		754		754	13,408	21	21	21	0.18	0.18	0.18
2016	March	175		12,829		12,829	22		776		776	13,605	20	21	21	0.18	0.18	0.18
2016	April	274		13,103		13,103	29		805		805	13,908	20	21	20	0.18	0.18	0.18
2016	May	266		13,369		13,369	18		823		823	14,192	20	21	20	0.18	0.18	0.18
2016	June	284		13,653		13,653	34		858		858	14,511	20	21	20	0.18	0.18	0.18
2016	July	205		13,858		13,858	20		878	20	878	14,736	20	21	20	0.18	0.18	0.18
2016	August	269		14,128		14,128	22		900	42	900	15,027	20	21	20	0.18	0.18	0.18
2016	September	196		14,323		14,323	10		909	52	909	15,233	20	21	20	0.18	0.18	0.18
2016	October	243		14,566		14,566	10		919	62	919	15,485	20	21	20	0.18	0.18	0.18
2016	November	345		14,911		14,911	14		933	76	76	15,845	20	21	20	0.18	0.18	0.18
2016	December	135		15,046		15,046	12		946		88	15,992	20	21	20	0.18	0.18	0.18
2017	January	347		15,393		15,393	16		962		104	16,354	20	21	20	0.18	0.18	0.18
2017	February	38		15,431		15,431	5		967		109	16,398	20	21	20	0.18	0.18	0.18
2017	March	6		15,437		15,437	4		971		113	16,407	20	21	20	0.18	0.18	0.18
2017	April			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	May			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	June			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	July			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	August			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	September			15,437		15,437			971		113	16,407	20	21	20	0.18	0.18	0.18
2017	October		-29	15,407		15,407			971		113	16,378	20	21	20	0.18	0.18	0.18
2017	November		-119	15,288		15,288			971		113	16,258	20	21	20	0.18	0.18	0.18
2017	December		-101	15,187		15,187			971		113	16,157	20	21	20	0.18	0.18	0.18

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2018	January	0	-536	85,378		85,378	0	0	5,287		584	90,665
2018	February	0	-2,124	83,254		83,254	0	0	5,287		584	88,541
2018	March	0	-2,194	81,060		81,060	0	0	5,287		584	86,347
2018	April	0	-876	80,184		80,184	0	0	5,287		584	85,471
2018	May	0	-1,779	78,405		78,405	0	0	5,287		584	83,692
2018	June	0	-1,236	77,169		77,169	0	0	5,287		584	82,456
2018	July	0	-888	76,281		76,281	0	0	5,287		584	81,568
2018	August	0	-570	75,711		75,711	0	0	5,287		584	80,998
2018	September	0	-1,275	74,436		74,436	0	0	5,287		584	79,723
2018	October	0	-1,408	73,028		73,028	0	0	5,287		584	78,315
2018	November	0	-1,323	71,705		71,705	0	0	5,287		584	76,992
2018	December	0	-1,424	70,281		70,281	0	0	5,287		584	75,568
2019	January	0	-995	69,286		69,286	0	0	5,287		584	74,573
2019	February	0	-1,178	68,108		68,108	0	0	5,287		584	73,395
2019	March	0	-949	67,159		67,159	0	0	5,287		584	72,446
2019	April	0	-1,865	65,294		65,294	0	0	5,287		584	70,581
2019	May	0	-2,465	62,829		62,829	0	-3	5,284		581	68,113
2019	June	0	-3,699	59,130		59,130	0	-3	5,281		578	64,411
2019	July	0	-3,427	55,703		55,703	0	-2	5,279	0	576	60,982
2019	August	0	-2,727	52,976		52,976	0	-17	5,262	0	559	58,238
2019	September	0	-2,248	50,728		50,728	0	-14	5,248	0	545	55,976
2019	October	0	-1,621	49,107		49,107	0	-82	5,166	0	463	54,273
2019	November	0	-1,833	47,274		47,274	0	-263	4,903	0	-384	52,177
2019	December	0	-1,680	45,594		45,594	0	-197	4,706		-581	50,300
2020	January	0	-1,968	43,626		43,626	0	-448	4,258		-1,029	47,884
2020	February	0	-1,931	41,695		41,695	0	-316	3,942		-1,345	45,637
2020	March	0	-1,219	40,476		40,476	0	-254	3,688		-1,599	44,164
2020	April	0	-3,141	37,335		37,335	0	-342	3,346		-1,941	40,681
2020	May	0	-2,128	35,207		35,207	0	-313	3,033		-2,254	38,240
2020	June	0	-2,085	33,122		33,122	0	-523	2,510		-2,777	35,632
2020	July	0	-2,133	30,989		30,989	0	-282	2,228		-3,059	33,217
2020	August	0	-1,931	29,058		29,058	0	-171	2,057		-3,230	31,115
2020	September	0	-1,873	27,185		27,185	0	-336	1,721		-3,566	28,906
2020	October	0	-1,900	25,285		25,285	0	-169	1,552		-3,735	26,837
2020	November	0	-1,866	23,419		23,419	0	-102	1,450		-3,837	24,869
2020	December	0	-1,939	21,480		21,480	0	-51	1,399		-3,888	22,879

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C.14 Residential Heat Pump Tune-up (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January		-13,583	1,692,951		1,692,951			112,773		12,503	1,805,725
2018	February		-53,678	1,639,273		1,639,273			112,773		12,503	1,752,046
2018	March		-53,912	1,585,361		1,585,361			112,773		12,503	1,698,134
2018	April		-21,668	1,563,693		1,563,693			112,773		12,503	1,676,466
2018	May		-43,704	1,519,989		1,519,989			112,773		12,503	1,632,762
2018	June		-30,932	1,489,057		1,489,057			112,773		12,503	1,601,830
2018	July		-21,983	1,467,074		1,467,074			112,773		12,503	1,579,848
2018	August		-13,974	1,453,101		1,453,101			112,773		12,503	1,565,874
2018	September		-31,243	1,421,858		1,421,858			112,773		12,503	1,534,631
2018	October		-34,370	1,387,488		1,387,488			112,773		12,503	1,500,261
2018	November		-31,563	1,355,924		1,355,924			112,773		12,503	1,468,698
2018	December		-33,154	1,322,771		1,322,771			112,773		12,503	1,435,544
2019	January		-20,832	1,301,939		1,301,939			112,773		12,503	1,414,712
2019	February		-25,304	1,276,634		1,276,634			112,773		12,503	1,389,407
2019	March		-19,914	1,256,720		1,256,720			112,773		12,503	1,369,493
2019	April		-37,986	1,218,734		1,218,734			112,773		12,503	1,331,507
2019	May		-52,729	1,166,005		1,166,005		-114	112,659		12,389	1,278,664
2019	June		-76,005	1,090,001		1,090,001		-102	112,557		12,288	1,202,558
2019	July		-73,221	1,016,779		1,016,779		-46	112,511	0	12,241	1,129,290
2019	August		-56,768	960,011		960,011		-378	112,133	0	11,863	1,072,144
2019	September		-45,321	914,690		914,690		-301	111,832	0	11,562	1,026,523
2019	October		-35,573	879,118		879,118		-1,766	110,067	0	9,797	989,184
2019	November		-41,709	837,409		837,409		-5,665	104,402	0	-8,371	941,810
2019	December		-37,137	800,272		800,272		-4,533	99,868		-12,905	900,140
2020	January		-37,286	762,986		762,986		-9,510	90,358		-22,415	853,344
2020	February		-34,162	728,824		728,824		-6,487	83,871		-28,902	812,695
2020	March		-22,609	706,216		706,216		-5,505	78,366		-34,407	784,581
2020	April		-54,329	651,886		651,886		-7,479	70,887		-41,886	722,773
2020	May		-37,020	614,866		614,866		-6,603	64,283		-48,490	679,149
2020	June		-35,641	579,225		579,225		-11,242	53,041		-59,732	632,266
2020	July		-34,169	545,056		545,056		-6,006	47,035		-65,738	592,091
2020	August		-31,994	513,062		513,062		-3,569	43,466		-69,307	556,528
2020	September		-32,713	480,350		480,350		-7,067	36,399		-76,374	516,749
2020	October		-34,727	445,622		445,622		-3,642	32,757		-80,016	478,379
2020	November		-32,957	412,665		412,665		-2,167	30,590		-82,183	443,255
2020	December		-34,654	378,011		378,011		-1,030	29,561		-83,212	407,572

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January		-111	15,075		15,075			971		113	16,046	20	21	20	0.18	0.18	0.18
2018	February		-440	14,635		14,635			971		113	15,606	20	21	20	0.18	0.18	0.18
2018	March		-444	14,192		14,192			971		113	15,162	20	21	20	0.18	0.18	0.18
2018	April		-179	14,012		14,012			971		113	14,983	20	21	20	0.17	0.18	0.18
2018	May		-362	13,650		13,650			971		113	14,621	19	21	20	0.17	0.18	0.17
2018	June		-257	13,394		13,394			971		113	14,365	19	21	19	0.17	0.18	0.17
2018	July		-181	13,213		13,213			971		113	14,183	19	21	19	0.17	0.18	0.17
2018	August		-115	13,098		13,098			971		113	14,068	19	21	19	0.17	0.18	0.17
2018	September		-256	12,842		12,842			971		113	13,812	19	21	19	0.17	0.18	0.17
2018	October		-282	12,559		12,559			971		113	13,530	19	21	19	0.17	0.18	0.17
2018	November		-260	12,300		12,300			971		113	13,270	19	21	19	0.17	0.18	0.17
2018	December		-273	12,027		12,027			971		113	12,997	19	21	19	0.17	0.18	0.17
2019	January		-190	11,836		11,836			971		113	12,807	19	21	19	0.17	0.18	0.17
2019	February		-233	11,603		11,603			971		113	12,574	19	21	19	0.17	0.18	0.17
2019	March		-182	11,421		11,421			971		113	12,392	19	21	19	0.17	0.18	0.17
2019	April		-349	11,072		11,072			971		113	12,043	19	21	19	0.17	0.18	0.17
2019	May		-490	10,582		10,582		-1	970		112	11,552	19	21	19	0.17	0.18	0.17
2019	June		-702	9,879		9,879		-1	969		112	10,849	18	21	19	0.17	0.18	0.17
2019	July		-684	9,195		9,195		0	969	0	111	10,164	18	21	19	0.17	0.18	0.17
2019	August		-525	8,670		8,670		-2	967	0	109	9,637	18	21	18	0.16	0.18	0.17
2019	September		-421	8,249		8,249		-2	965	0	107	9,214	18	21	18	0.16	0.18	0.16
2019	October		-341	7,908		7,908		-11	954	0	96	8,862	18	21	18	0.16	0.18	0.16
2019	November		-407	7,501		7,501		-36	918	0	-53	8,419	18	21	18	0.16	0.19	0.16
2019	December		-356	7,145		7,145		-27	891		-80	8,036	18	21	18	0.16	0.19	0.16
2020	January		-338	6,807		6,807		-84	807		-164	7,614	17	21	18	0.16	0.19	0.16
2020	February		-306	6,501		6,501		-58	749		-222	7,250	17	21	18	0.16	0.19	0.16
2020	March		-203	6,298		6,298		-49	700		-270	6,998	17	21	18	0.16	0.19	0.16
2020	April		-483	5,815		5,815		-66	634		-337	6,449	17	21	18	0.16	0.19	0.16
2020	May		-332	5,483		5,483		-59	575		-396	6,058	17	21	18	0.16	0.19	0.16
2020	June		-318	5,165		5,165		-100	475		-495	5,640	17	21	18	0.16	0.19	0.16
2020	July		-298	4,867		4,867		-53	422		-549	5,289	18	21	18	0.16	0.19	0.16
2020	August		-282	4,585		4,585		-32	390		-581	4,975	18	21	18	0.16	0.19	0.16
2020	September		-291	4,294		4,294		-63	327		-644	4,621	18	21	18	0.16	0.19	0.16
2020	October		-308	3,986		3,986		-33	294		-677	4,280	18	21	18	0.16	0.19	0.16
2020	November		-289	3,697		3,697		-19	275		-696	3,972	18	21	18	0.16	0.19	0.16
2020	December		-304	3,393		3,393		-9	265		-705	3,659	18	21	18	0.16	0.19	0.16

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1,212		1,212			-		-	1,212
2013			15,633		15,633			-		-	15,633
2014			24,687		24,687			581		581	25,268
2015			24,114		24,114			3,307		3,307	27,421
2016			19,008		19,008			1,274		459	20,282
2017			1,260		1,260			125		125	1,385
2018			-15,633		-15,633			-		-	-15,633
2019			-24,687		-24,687			-581		-581	-25,268
2020			-24,114		-24,114			-3,307		-3,307	-27,421

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1,212		1,212			-		-	1,212
2013			15,633		15,633			-		-	15,633
2014			24,687		24,687			581		581	25,268
2015			24,114		24,114			3,307		3,307	27,421
2016			19,008		19,008			1,274		459	20,282
2017			1,260		1,260			125		125	1,385
2018			-15,633		-15,633			-		-	-15,633
2019			-24,687		-24,687			-581		-581	-25,268
2020			-24,114		-24,114			-3,307		-3,307	-27,421

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			52,151		52,151			-		-	52,151
2013			2,579,876		2,579,876			-		-	2,579,876
2014			3,154,939		3,154,939			26,155		26,155	3,181,094
2015			2,784,491		2,784,491			537,806		537,806	3,322,297
2016			2,272,360		2,272,360			197,221		163,105	2,469,580
2017			443,324		443,324			30,693		30,693	474,017
2018			-2,579,876		-2,579,876			-		-	-2,579,876
2019			-3,154,939		-3,154,939			-26,155		-26,155	-3,181,094
2020			-2,784,491		-2,784,491			-537,806		-537,806	-3,322,297

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			365,489		365,489			-		-	365,489
2013			4,605,167		4,605,167			-		-	4,605,167
2014			6,269,989		6,269,989			154,857		154,857	6,424,846
2015			5,067,124		5,067,124			843,691		843,691	5,910,815
2016			4,035,338		4,035,338			322,679		117,988	4,358,017
2017			135,310		135,310			32,050		32,050	167,360
2018			-4,605,167		-4,605,167			-		-	-4,605,167
2019			-6,269,989		-6,269,989			-154,857		-154,857	-6,424,846
2020			-5,067,124		-5,067,124			-843,691		-843,691	-5,910,815

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			250		250			-		-	250	43	-	43	0.21	-	0.21
2013			3,160		3,160			-		-	3,160	165	-	165	0.20	-	0.20
2014			4,881		4,881			80		80	4,961	128	45	126	0.20	0.14	0.20
2015			3,752		3,752			625		625	4,377	115	163	121	0.16	0.19	0.16
2016			3,003		3,003			241		88	3,243	120	155	122	0.16	0.19	0.16
2017			141		141			25		25	165	352	246	342	0.11	0.20	0.12
2018			-3,160		-3,160			-		-	-3,160	165	-	165	0.20	-	0.20
2019			-4,881		-4,881			-80		-80	-4,961	128	45	126	0.20	0.14	0.20
2020			-3,752		-3,752			-625		-625	-4,377	115	163	121	0.16	0.19	0.16

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			250		250			-		-	250	302	-	302	0.21	-	0.21
2013			3,160		3,160			-		-	3,160	295	-	295	0.20	-	0.20
2014			4,881		4,881			80		80	4,961	254	267	254	0.20	0.14	0.20
2015			3,752		3,752			625		625	4,377	210	255	216	0.16	0.19	0.16
2016			3,003		3,003			241		88	3,243	212	253	215	0.16	0.19	0.16
2017			141		141			25		25	165	107	256	121	0.11	0.20	0.12
2018			-3,160		-3,160			-		-	-3,160	295	-	295	0.20	-	0.20
2019			-4,881		-4,881			-80		-80	-4,961	254	267	254	0.20	0.14	0.20
2020			-3,752		-3,752			-625		-625	-4,377	210	255	216	0.16	0.19	0.16

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			1,212					-			1,212
2013			16,845					-			16,845
2014			41,532					581			42,113
2015			64,434					3,888			68,322
2016			67,809					5,162			72,971
2017			44,382					4,706			49,088
2018			4,635					1,399			6,034
2019			-39,060					-456			-39,516
2020			-64,434					-3,888			-68,322

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1,212		1,212			-		-	1,212
2013			16,845		16,845			-		-	16,845
2014			41,532		41,532			581		581	42,113
2015			65,646		65,646			3,888		3,888	69,534
2016			84,654		84,654			5,162		459	89,816
2017			85,914		85,914			5,287		584	91,201
2018			70,281		70,281			5,287		584	75,568
2019			45,594		45,594			4,706		-581	50,300
2020			21,480		21,480			1,399		-3,888	22,879

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			1,212					-			1,212
2013			16,845					-			16,845
2014			41,532					581			42,113
2015			65,646					3,888			69,534
2016			84,654					5,162			89,816
2017			85,914					5,287			91,201
2018			85,914					5,287			91,201
2019			85,914					5,287			91,201
2020			85,914					5,287			91,201
2021			85,914					5,287			91,201
2022			85,914					5,287			91,201
2023			85,914					5,287			91,201

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			52,151					-			52,151
2013			2,945,365					-			2,945,365
2014			8,125,595					26,155			8,151,750
2015			13,659,647					692,663			14,352,310
2016			13,609,472					1,195,769			14,805,241
2017			9,545,786					1,197,063			10,742,849
2018			1,590,772					354,729			1,945,501
2019			-7,624,796					5,894			-7,618,901
2020			-13,659,647					-692,663			-14,352,310

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			52,151		52,151			0		0	52,151
2013			2,945,365		2,945,365			0		0	2,945,365
2014			8,125,595		8,125,595			26,155		26,155	8,151,750
2015			14,025,136		14,025,136			692,663		692,663	14,717,799
2016			18,580,129		18,580,129			1,195,769		995,229	19,775,897
2017			20,786,432		20,786,432			1,351,920		148,680	22,138,352
2018			17,898,541		17,898,541			1,353,277		150,037	19,251,818
2019			12,718,311		12,718,311			1,327,122		98,876	14,045,433
2020			6,818,770		6,818,770			660,614		0	7,479,384

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			52,151					-			52,151
2013			2,997,517					-			2,997,517
2014			11,123,112					26,155			11,149,267
2015			25,148,248					718,818			25,867,066
2016			43,728,377					1,914,587			45,642,964
2017			64,514,808					3,266,507			67,781,315
2018			82,413,350					4,619,784			87,033,133
2019			95,131,661					5,946,905			101,078,566
2020			101,950,431					6,607,520			108,557,951
2021			104,214,209					6,765,028			110,979,237
2022			104,219,532					6,766,385			110,985,917
2023			104,219,532					6,766,385			110,985,917

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			250					-			250		-			-	
2013			3,410					-			3,410		-			-	
2014			8,291					80			8,371		45			0.14	
2015			11,793					705			12,499		178			0.18	
2016			11,636					946			12,582		232			0.18	
2017			6,895					891			7,786		254			0.19	
2018			-17					265			249		254			0.19	
2019			-7,901					-55			-7,956		-13			0.12	
2020			-11,793					-705			-12,499		178			0.18	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			250		250			-		-	250	43	-	43	0.21	-	0.21
2013			3,410		3,410			-		-	3,410	175	-	175	0.20	-	0.20
2014			8,291		8,291			80		80	8,371	196	45	194	0.20	0.14	0.20
2015			12,043		12,043			705		705	12,749	214	178	212	0.18	0.18	0.18
2016			15,046		15,046			946		88	15,992	219	232	220	0.18	0.18	0.18
2017			15,187		15,187			971		113	16,157	242	256	243	0.18	0.18	0.18
2018			12,027		12,027			971		113	12,997	255	256	255	0.17	0.18	0.17
2019			7,145		7,145			891		-80	8,036	279	282	279	0.16	0.19	0.16
2020			3,393		3,393			265		-705	3,659	317	472	327	0.16	0.19	0.16

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			250					-			250	43	-	43	0.21	-	0.21
2013			3,410					-			3,410	178	-	178	0.20	-	0.20
2014			8,291					80			8,371	268	45	265	0.20	0.14	0.20
2015			12,043					705			12,749	383	185	372	0.18	0.18	0.18
2016			15,046					946			15,992	517	371	508	0.18	0.18	0.18
2017			15,187					971			16,157	740	618	733	0.18	0.18	0.18
2018			15,187					971			16,157	946	874	942	0.18	0.18	0.18
2019			15,187					971			16,157	1,092	1,125	1,094	0.18	0.18	0.18
2020			15,187					971			16,157	1,170	1,250	1,175	0.18	0.18	0.18
2021			15,187					971			16,157	1,196	1,280	1,201	0.18	0.18	0.18
2022			15,187					971			16,157	1,196	1,280	1,201	0.18	0.18	0.18
2023			15,187					971			16,157	1,196	1,280	1,201	0.18	0.18	0.18

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Program:	**Residential Heat Pump Upgrade**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**15.0**

Table 1		**Participation**											
		Program Participants											
		VA					**NC**						**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	16	0	16		16	0	0	0		0	16
2012	November	33	0	49		49	0	0	0		0	49
2012	December	37	0	86		86	0	0	0		0	86
2013	January	34	0	120		120	0	0	0		0	120
2013	February	165	0	285		285	0	0	0		0	285
2013	March	202	0	487		487	0	0	0		0	487
2013	April	149	0	636		636	0	0	0		0	636
2013	May	261	0	897		897	0	0	0		0	897
2013	June	309	0	1,206		1,206	0	0	0		0	1,206
2013	July	465	0	1,671		1,671	0	0	0		0	1,671
2013	August	343	0	2,014		2,014	0	0	0		0	2,014
2013	September	415	0	2,429		2,429	0	0	0		0	2,429
2013	October	452	0	2,881		2,881	0	0	0		0	2,881
2013	November	176	0	3,057		3,057	0	0	0		0	3,057
2013	December	324	0	3,381		3,381	0	0	0		0	3,381
2014	January	284	0	3,665		3,665	0	0	0		0	3,665
2014	February	280	0	3,945		3,945	0	0	0		0	3,945
2014	March	254	0	4,199		4,199	0	0	0		0	4,199
2014	April	298	0	4,497		4,497	0	0	0		0	4,497
2014	May	241	0	4,738		4,738	0	0	0		0	4,738
2014	June	322	0	5,060		5,060	1	0	1		1	5,061
2014	July	586	0	5,646		5,646	0	0	1		1	5,647
2014	August	334	0	5,980		5,980	4	0	5		5	5,985
2014	September	418	0	6,398		6,398	5	0	10		10	6,408
2014	October	243	0	6,641		6,641	9	0	19		19	6,660
2014	November	169	0	6,810		6,810	12	0	31		31	6,841
2014	December	219	0	7,029		7,029	13	0	44		44	7,073

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October	3,417		3,417		3,417			0		0	3,417
2012	November	6,826		10,244		10,244			0		0	10,244
2012	December	6,377		16,621		16,621			0		0	16,621
2013	January	4,859		21,479		21,479			0		0	21,479
2013	February	28,816		50,295		50,295			0		0	50,295
2013	March	34,462		84,758		84,758			0		0	84,758
2013	April	24,175		108,933		108,933			0		0	108,933
2013	May	44,920		153,853		153,853			0		0	153,853
2013	June	52,727		206,579		206,579			0		0	206,579
2013	July	80,411		286,990		286,990			0		0	286,990
2013	August	56,622		343,612		343,612			0		0	343,612
2013	September	70,495		414,108		414,108			0		0	414,108
2013	October	69,869		483,977		483,977			0		0	483,977
2013	November	31,032		515,009		515,009			0		0	515,009
2013	December	57,339		572,349		572,349			0		0	572,349
2014	January	43,763		616,112		616,112			0		0	616,112
2014	February	40,137		656,249		656,249			0		0	656,249
2014	March	38,899		695,148		695,148			0		0	695,148
2014	April	46,218		741,365		741,365			0		0	741,365
2014	May	34,718		776,084		776,084			0		0	776,084
2014	June	49,271		825,354		825,354	330		330		330	825,684
2014	July	63,943		889,297		889,297			330		330	889,627
2014	August	38,350		927,647		927,647	537		867		867	928,515
2014	September	46,188		973,835		973,835	837		1,704		1,704	975,540
2014	October	27,948		1,001,783		1,001,783	767		2,472		2,472	1,004,255
2014	November	18,038		1,019,821		1,019,821	1,496		3,968		3,968	1,023,789
2014	December	24,284		1,044,106		1,044,106	2,070		6,037		6,037	1,050,143

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October	10		10		10			0		0	10	214		214	0.61		0.61
2012	November	23		33		33			0		0	33	209		209	0.67		0.67
2012	December	26		59		59			0		0	59	193		193	0.69		0.69
2013	January	24		83		83			0		0	83	179		179	0.69		0.69
2013	February	125		208		208			0		0	208	176		176	0.73		0.73
2013	March	151		358		358			0		0	358	174		174	0.74		0.74
2013	April	113		471		471			0		0	471	171		171	0.74		0.74
2013	May	206		677		677			0		0	677	172		172	0.76		0.76
2013	June	234		911		911			0		0	911	171		171	0.76		0.76
2013	July	328		1,239		1,239			0		0	1,239	172		172	0.74		0.74
2013	August	243		1,482		1,482			0		0	1,482	171		171	0.74		0.74
2013	September	297		1,779		1,779			0		0	1,779	170		170	0.73		0.73
2013	October	310		2,089		2,089			0		0	2,089	168		168	0.73		0.73
2013	November	116		2,205		2,205			0		0	2,205	168		168	0.72		0.72
2013	December	248		2,453		2,453			0		0	2,453	169		169	0.73		0.73
2014	January	217		2,670		2,670			0		0	2,670	168		168	0.73		0.73
2014	February	192		2,862		2,862			0		0	2,862	166		166	0.73		0.73
2014	March	192		3,054		3,054			0		0	3,054	166		166	0.73		0.73
2014	April	219		3,273		3,273			0		0	3,273	165		165	0.73		0.73
2014	May	178		3,452		3,452			0		0	3,452	164		164	0.73		0.73
2014	June	242		3,693		3,693	1		1		1	3,694	163	330	163	0.73	0.84	0.73
2014	July	249		3,942		3,942			1		1	3,943	158	330	158	0.70	0.84	0.70
2014	August	158		4,100		4,100	1		2		2	4,102	155	173	155	0.69	0.39	0.69
2014	September	190		4,290		4,290	1		3		3	4,292	152	170	152	0.67	0.26	0.67
2014	October	133		4,423		4,423	4		6		6	4,429	151	130	151	0.67	0.34	0.67
2014	November	88		4,511		4,511	2		8		8	4,519	150	128	150	0.66	0.27	0.66
2014	December	110		4,621		4,621	11		19		19	4,640	149	137	148	0.66	0.43	0.66

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2015	January	301	0	7,330		7,330	34	0	78		78	7,408
2015	February	327	0	7,657		7,657	15	0	93		93	7,750
2015	March	258	0	7,915		7,915	20	0	113		113	8,028
2015	April	335	0	8,250		8,250	58	0	171		171	8,421
2015	May	258	0	8,508		8,508	57	0	228		228	8,736
2015	June	694	0	9,202		9,202	99	0	327		327	9,529
2015	July	459	0	9,661		9,661	83	0	410		410	10,071
2015	August	445	0	10,106		10,106	48	0	458		458	10,564
2015	September	412	0	10,518		10,518	103	0	561		561	11,079
2015	October	322	0	10,840		10,840	43	0	604		604	11,444
2015	November	289	0	11,129		11,129	29	0	633		633	11,762
2015	December	110	0	11,239		11,239	8	0	641		641	11,880
2016	January	421	0	11,660		11,660	23	0	664		664	12,324
2016	February	444	0	12,104		12,104	72	0	736		736	12,840
2016	March	415	0	12,519		12,519	48	0	784		784	13,303
2016	April	418	0	12,937		12,937	65	0	849		849	13,786
2016	May	384	0	13,321		13,321	44	0	893		893	14,214
2016	June	499	0	13,820		13,820	88	0	981		981	14,801
2016	July	598	0	14,418		14,418	70	0	1,051	70	1,051	15,469
2016	August	729	0	15,147		15,147	105	0	1,156	175	1,156	16,303
2016	September	414	0	15,561		15,561	37	0	1,193	212	1,193	16,754
2016	October	392	0	15,953		15,953	57	0	1,250	269	1,250	17,203
2016	November	470	0	16,423		16,423	46	0	1,296	315	315	17,719
2016	December	212	0	16,635		16,635	10	0	1,306		325	17,941
2017	January	828	0	17,463		17,463	76	0	1,382		401	18,845
2017	February	235	0	17,698		17,698	36	0	1,418		437	19,116
2017	March	86	0	17,784		17,784	6	0	1,424		443	19,208
2017	April	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	May	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	June	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	July	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	August	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	September	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	October	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	November	0	0	17,784		17,784	0	0	1,424		443	19,208
2017	December	0	0	17,784		17,784	0	0	1,424		443	19,208

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	16,285		1,060,391		1,060,391	2,013		8,051		8,051	1,068,442
2015	February	17,549		1,077,940		1,077,940	3,274		11,325		11,325	1,089,264
2015	March	12,676		1,090,616		1,090,616	428		11,753		11,753	1,102,369
2015	April	14,244		1,104,860		1,104,860	2,635		14,387		14,387	1,119,248
2015	May	13,679		1,118,540		1,118,540	2,502		16,889		16,889	1,135,429
2015	June	32,176		1,150,716		1,150,716	2,970		19,859		19,859	1,170,575
2015	July	22,577		1,173,293		1,173,293	2,536		22,395		22,395	1,195,688
2015	August	19,261		1,192,555		1,192,555	1,189		23,584		23,584	1,216,138
2015	September	18,266		1,210,820		1,210,820	3,022		26,606		26,606	1,237,426
2015	October	13,549		1,224,369		1,224,369	1,651		28,257		28,257	1,252,626
2015	November	14,223		1,238,592		1,238,592	987		29,243		29,243	1,267,835
2015	December	6,010		1,244,602		1,244,602	308		29,552		29,552	1,274,153
2016	January	22,305		1,266,907		1,266,907	817		30,369		30,369	1,297,276
2016	February	22,639		1,289,546		1,289,546	3,600		33,969		33,969	1,323,515
2016	March	17,105		1,306,651		1,306,651	1,545		35,514		35,514	1,342,164
2016	April	17,926		1,324,576		1,324,576	1,732		37,245		37,245	1,361,822
2016	May	18,880		1,343,456		1,343,456	1,668		38,913		38,913	1,382,369
2016	June	22,911		1,366,368		1,366,368	4,151		43,064		43,064	1,409,432
2016	July	27,659		1,394,026		1,394,026	2,176		45,241	2,176	45,241	1,439,267
2016	August	33,806		1,427,833		1,427,833	3,910		49,151	6,086	49,151	1,476,984
2016	September	20,800		1,448,632		1,448,632	1,380		50,531	7,466	50,531	1,499,163
2016	October	17,989		1,466,621		1,466,621	2,161		52,692	9,628	52,692	1,519,313
2016	November	24,720		1,491,341		1,491,341	2,901		55,593	12,529	12,529	1,546,934
2016	December	9,521		1,500,861		1,500,861	423		56,016		12,952	1,556,878
2017	January	33,627		1,534,488		1,534,488	3,507		59,523		16,459	1,594,012
2017	February	9,579		1,544,067		1,544,067	1,335		60,858		17,794	1,604,925
2017	March	2,956		1,547,023		1,547,023	416		61,274		18,209	1,608,297
2017	April			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	May			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	June			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	July			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	August			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	September			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	October			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	November			1,547,023		1,547,023			61,274		18,209	1,608,297
2017	December			1,547,023		1,547,023			61,274		18,209	1,608,297

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	38		4,658		4,658	6		25		25	4,683	145	103	144	0.64	0.32	0.63
2015	February	36		4,694		4,694	5		30		30	4,724	141	122	141	0.61	0.32	0.61
2015	March	32		4,726		4,726	2		31		31	4,757	138	104	137	0.60	0.28	0.59
2015	April	36		4,762		4,762	5		36		36	4,798	134	84	133	0.58	0.21	0.57
2015	May	34		4,796		4,796	6		42		42	4,838	131	74	130	0.56	0.18	0.55
2015	June	75		4,871		4,871	8		50		50	4,922	125	61	123	0.53	0.15	0.52
2015	July	48		4,920		4,920	7		57		57	4,977	121	55	119	0.51	0.14	0.49
2015	August	47		4,966		4,966	3		61		61	5,027	118	51	115	0.49	0.13	0.48
2015	September	43		5,009		5,009	8		69		69	5,078	115	47	112	0.48	0.12	0.46
2015	October	33		5,043		5,043	4		73		73	5,116	113	47	109	0.47	0.12	0.45
2015	November	35		5,078		5,078	3		76		76	5,154	111	46	108	0.46	0.12	0.44
2015	December	15		5,093		5,093	1		77		77	5,169	111	46	107	0.45	0.12	0.44
2016	January	47		5,140		5,140	2		79		79	5,219	109	46	105	0.44	0.12	0.42
2016	February	58		5,198		5,198	9		88		88	5,286	107	46	103	0.43	0.12	0.41
2016	March	45		5,243		5,243	5		93		93	5,336	104	45	101	0.42	0.12	0.40
2016	April	47		5,290		5,290	6		99		99	5,389	102	44	99	0.41	0.12	0.39
2016	May	44		5,334		5,334	5		104		104	5,438	101	44	97	0.40	0.12	0.38
2016	June	59		5,392		5,392	9		113		113	5,506	99	44	95	0.39	0.12	0.37
2016	July	69		5,461		5,461	6		119	6	119	5,581	97	43	93	0.38	0.11	0.36
2016	August	83		5,544		5,544	11		130	17	130	5,674	94	43	91	0.37	0.11	0.35
2016	September	46		5,590		5,590	3		134	20	134	5,724	93	42	89	0.36	0.11	0.34
2016	October	46		5,637		5,637	5		138	25	138	5,775	92	42	88	0.35	0.11	0.34
2016	November	59		5,695		5,695	6		144	31	31	5,839	91	43	87	0.35	0.11	0.33
2016	December	23		5,719		5,719	1		145		32	5,864	90	43	87	0.34	0.11	0.33
2017	January	94		5,813		5,813	11		156		42	5,969	88	43	85	0.33	0.11	0.32
2017	February	25		5,838		5,838	3		159		46	5,997	87	43	84	0.33	0.11	0.31
2017	March	11		5,848		5,848	1		160		46	6,008	87	43	84	0.33	0.11	0.31
2017	April			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	May			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	June			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	July			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	August			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	September			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	October			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	November			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2017	December			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2018	January	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	February	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	March	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	April	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	May	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	June	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	July	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	August	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	September	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	October	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	November	0	0	17,784		17,784	0	0	1,424		443	19,208
2018	December	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	January	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	February	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	March	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	April	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	May	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	June	0	0	17,784		17,784	0	0	1,424		443	19,208
2019	July	0	0	17,784		17,784	0	0	1,424	0	443	19,208
2019	August	0	0	17,784		17,784	0	0	1,424	0	443	19,208
2019	September	0	0	17,784		17,784	0	0	1,424	0	443	19,208
2019	October	0	0	17,784		17,784	0	0	1,424	0	443	19,208
2019	November	0	0	17,784		17,784	0	0	1,424	0	0	19,208
2019	December	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	January	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	February	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	March	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	April	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	May	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	June	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	July	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	August	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	September	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	October	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	November	0	0	17,784		17,784	0	0	1,424		0	19,208
2020	December	0	0	17,784		17,784	0	0	1,424		0	19,208

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	February			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	March			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	April			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	May			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	June			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	July			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	August			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	September			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	October			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	November			1,547,023		1,547,023			61,274		18,209	1,608,297
2018	December			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	January			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	February			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	March			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	April			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	May			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	June			1,547,023		1,547,023			61,274		18,209	1,608,297
2019	July			1,547,023		1,547,023			61,274	0	18,209	1,608,297
2019	August			1,547,023		1,547,023			61,274	0	18,209	1,608,297
2019	September			1,547,023		1,547,023			61,274	0	18,209	1,608,297
2019	October			1,547,023		1,547,023			61,274	0	18,209	1,608,297
2019	November			1,547,023		1,547,023			61,274	0	0	1,608,297
2019	December			1,547,023		1,547,023			61,274		0	1,608,297
2020	January			1,547,023		1,547,023			61,274		0	1,608,297
2020	February			1,547,023		1,547,023			61,274		0	1,608,297
2020	March			1,547,023		1,547,023			61,274		0	1,608,297
2020	April			1,547,023		1,547,023			61,274		0	1,608,297
2020	May			1,547,023		1,547,023			61,274		0	1,608,297
2020	June			1,547,023		1,547,023			61,274		0	1,608,297
2020	July			1,547,023		1,547,023			61,274		0	1,608,297
2020	August			1,547,023		1,547,023			61,274		0	1,608,297
2020	September			1,547,023		1,547,023			61,274		0	1,608,297
2020	October			1,547,023		1,547,023			61,274		0	1,608,297
2020	November			1,547,023		1,547,023			61,274		0	1,608,297
2020	December			1,547,023		1,547,023			61,274		0	1,608,297

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C.15 Residential Heat Pump Upgrade (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	February			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	March			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	April			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	May			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	June			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	July			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	August			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	September			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	October			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	November			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2018	December			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	January			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	February			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	March			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	April			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	May			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	June			5,848		5,848			160		46	6,008	87	43	84	0.33	0.11	0.31
2019	July			5,848		5,848			160	0	46	6,008	87	43	84	0.33	0.11	0.31
2019	August			5,848		5,848			160	0	46	6,008	87	43	84	0.33	0.11	0.31
2019	September			5,848		5,848			160	0	46	6,008	87	43	84	0.33	0.11	0.31
2019	October			5,848		5,848			160	0	46	6,008	87	43	84	0.33	0.11	0.31
2019	November			5,848		5,848			160	0	0	6,008	87	43	84	0.33	0.11	0.31
2019	December			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	January			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	February			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	March			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	April			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	May			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	June			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	July			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	August			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	September			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	October			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	November			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31
2020	December			5,848		5,848			160		0	6,008	87	43	84	0.33	0.11	0.31

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			86		86			-		-	86
2013			3,295		3,295			-		-	3,295
2014			3,648		3,648			44		44	3,692
2015			4,210		4,210			597		597	4,807
2016			5,396		5,396			665		325	6,061
2017			1,149		1,149			118		118	1,267
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			86		86			-		-	86
2013			3,295		3,295			-		-	3,295
2014			3,648		3,648			44		44	3,692
2015			4,210		4,210			597		597	4,807
2016			5,396		5,396			665		325	6,061
2017			1,149		1,149			118		118	1,267
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			86					-			86
2013			3,381					-			3,381
2014			7,029					44			7,073
2015			11,153					641			11,794
2016			13,254					1,306			14,560
2017			10,755					1,380			12,135
2018			6,545					783			7,328
2019			1,149					118			1,267
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			30,281		30,281			-		-	30,281
2013			3,042,495		3,042,495			-		-	3,042,495
2014			3,298,617		3,298,617			15,708		15,708	3,314,325
2015			1,358,027		1,358,027			169,451		169,451	1,527,477
2016			1,691,598		1,691,598			173,680		146,654	1,865,277
2017			538,445		538,445			60,926		60,926	599,371
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			199,447		199,447			-		-	199,447
2013			6,668,737		6,668,737			-		-	6,668,737
2014			5,661,083		5,661,083			72,449		72,449	5,733,532
2015			2,405,953		2,405,953			282,170		282,170	2,688,124
2016			3,075,117		3,075,117			317,574		155,421	3,392,691
2017			553,935		553,935			63,092		63,092	617,028
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			30,281					-			30,281
2013			3,241,943					-			3,241,943
2014			10,166,801					15,708			10,182,510
2015			13,687,846					241,900			13,929,746
2016			9,758,634					528,299			10,286,933
2017			6,019,515					660,671			6,680,186
2018			3,629,052					380,667			4,009,719
2019			553,935					63,092			617,028
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			59		59			-		-	59	352	-	352	0.69	-	0.69
2013			2,394		2,394			-		-	2,394	923	-	923	0.73	-	0.73
2014			2,167		2,167			19		19	2,186	904	357	898	0.59	0.43	0.59
2015			472		472			58		58	530	323	284	318	0.11	0.10	0.11
2016			626		626			69		32	694	313	261	308	0.12	0.10	0.11
2017			130		130			14		14	144	469	516	473	0.11	0.12	0.11
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			59		59			-		-	59	2,319	-	2,319	0.69	-	0.69
2013			2,394		2,394			-		-	2,394	2,024	-	2,024	0.73	-	0.73
2014			2,167		2,167			19		19	2,186	1,552	1,647	1,553	0.59	0.43	0.59
2015			472		472			58		58	530	571	473	559	0.11	0.10	0.11
2016			626		626			69		32	694	570	478	560	0.12	0.10	0.11
2017			130		130			14		14	144	482	535	487	0.11	0.12	0.11
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			59					-			59		-			-	
2013			2,453					-			2,453		-			-	
2014			4,621					19			4,640		357			0.43	
2015			5,033					77			5,110		377			0.12	
2016			3,265					145			3,411		405			0.11	
2017			1,228					141			1,369		479			0.10	
2018			756					83			839		486			0.11	
2019			130					14			144		535			0.12	
2020			-					-			-		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			86		86			-		-	86
2013			3,381		3,381			-		-	3,381
2014			7,029		7,029			44		44	7,073
2015			11,239		11,239			641		641	11,880
2016			16,635		16,635			1,306		325	17,941
2017			17,784		17,784			1,424		443	19,208
2018			17,784		17,784			1,424		443	19,208
2019			17,784		17,784			1,424		-	19,208
2020			17,784		17,784			1,424		-	19,208

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			86					-			86
2013			3,381					-			3,381
2014			7,029					44			7,073
2015			11,239					641			11,880
2016			16,635					1,306			17,941
2017			17,784					1,424			19,208
2018			17,784					1,424			19,208
2019			17,784					1,424			19,208
2020			17,784					1,424			19,208
2021			17,784					1,424			19,208
2022			17,784					1,424			19,208
2023			17,784					1,424			19,208
2024			17,784					1,424			19,208
2025			17,784					1,424			19,208
2026			17,784					1,424			19,208
2027			17,784					1,424			19,208
2028			17,784					1,424			19,208
2029			17,784					1,424			19,208
2030			17,784					1,424			19,208
2031			17,784					1,424			19,208
2032			17,784					1,424			19,208
2033			17,784					1,424			19,208

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			30,281		30,281			0		0	30,281
2013			3,241,943		3,241,943			0		0	3,241,943
2014			10,166,801		10,166,801			15,708		15,708	10,182,510
2015			13,887,294		13,887,294			241,900		241,900	14,129,193
2016			16,626,818		16,626,818			528,299		442,170	17,155,117
2017			18,548,782		18,548,782			733,120		216,347	19,281,902
2018			18,564,272		18,564,272			735,286		218,513	19,299,558
2019			18,564,272		18,564,272			735,286		182,094	19,299,558
2020			18,564,272		18,564,272			735,286		0	19,299,558

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			30,281					-			30,281
2013			3,272,224					-			3,272,224
2014			13,439,025					15,708			13,454,734
2015			27,326,319					257,608			27,583,927
2016			43,953,137					785,907			44,739,044
2017			62,501,920					1,519,027			64,020,946
2018			81,066,192					2,254,313			83,320,505
2019			99,630,464					2,989,599			102,620,063
2020			118,194,736					3,724,885			121,919,621
2021			136,759,008					4,460,171			141,219,179
2022			155,323,280					5,195,457			160,518,737
2023			173,887,552					5,930,743			179,818,296
2024			192,451,825					6,666,029			199,117,854
2025			211,016,097					7,401,315			218,417,412
2026			229,580,369					8,136,601			237,716,970
2027			248,114,360					8,871,887			256,986,247
2028			263,436,689					9,607,173			273,043,862
2029			271,834,160					10,326,751			282,160,911
2030			276,511,138					10,820,138			287,331,276
2031			278,448,592					11,027,125			289,475,717
2032			278,464,082					11,029,291			289,493,373
2033			278,464,082					11,029,291			289,493,373

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			59		59			-		-	59	352	-	352	0.69	-	0.69
2013			2,453		2,453			-		-	2,453	959	-	959	0.73	-	0.73
2014			4,621		4,621			19		19	4,640	1,446	357	1,440	0.66	0.43	0.66
2015			5,093		5,093			77		77	5,169	1,236	377	1,189	0.45	0.12	0.44
2016			5,719		5,719			145		32	5,864	1,000	405	956	0.34	0.11	0.33
2017			5,848		5,848			160		46	6,008	1,043	515	1,004	0.33	0.11	0.31
2018			5,848		5,848			160		46	6,008	1,044	516	1,005	0.33	0.11	0.31
2019			5,848		5,848			160		-	6,008	1,044	516	1,005	0.33	0.11	0.31
2020			5,848		5,848			160		-	6,008	1,044	516	1,005	0.33	0.11	0.31

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			59					-			59	352	-	352	0.69	-	0.69
2013			2,453					-			2,453	968	-	968	0.73	-	0.73
2014			4,621					19			4,640	1,912	357	1,902	0.66	0.43	0.66
2015			5,093					77			5,169	2,431	402	2,322	0.45	0.12	0.44
2016			5,719					145			5,864	2,642	602	2,494	0.34	0.11	0.33
2017			5,848					160			6,008	3,515	1,067	3,333	0.33	0.11	0.31
2018			5,848					160			6,008	4,558	1,583	4,338	0.33	0.11	0.31
2019			5,848					160			6,008	5,602	2,099	5,343	0.33	0.11	0.31
2020			5,848					160			6,008	6,646	2,616	6,347	0.33	0.11	0.31
2021			5,848					160			6,008	7,690	3,132	7,352	0.33	0.11	0.31
2022			5,848					160			6,008	8,734	3,648	8,357	0.33	0.11	0.31
2023			5,848					160			6,008	9,778	4,165	9,362	0.33	0.11	0.31
2024			5,848					160			6,008	10,822	4,681	10,366	0.33	0.11	0.31
2025			5,848					160			6,008	11,866	5,198	11,371	0.33	0.11	0.31
2026			5,848					160			6,008	12,909	5,714	12,376	0.33	0.11	0.31
2027			5,848					160			6,008	13,952	6,230	13,379	0.33	0.11	0.31
2028			5,848					160			6,008	14,813	6,747	14,215	0.33	0.11	0.31
2029			5,848					160			6,008	15,285	7,252	14,690	0.33	0.11	0.31
2030			5,848					160			6,008	15,548	7,598	14,959	0.33	0.11	0.31
2031			5,848					160			6,008	15,657	7,744	15,071	0.33	0.11	0.31
2032			5,848					160			6,008	15,658	7,745	15,072	0.33	0.11	0.31
2033			5,848					160			6,008	15,658	7,745	15,072	0.33	0.11	0.31

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Program:	**Residential Duct Testing & Sealing**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**18.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	2	0	2		2	0	0	0		0	2
2012	November	6	0	8		8	0	0	0		0	8
2012	December	0	0	8		8	0	0	0		0	8
2013	January	0	0	8		8	0	0	0		0	8
2013	February	16	0	24		24	0	0	0		0	24
2013	March	4	0	28		28	0	0	0		0	28
2013	April	23	0	51		51	0	0	0		0	51
2013	May	17	0	68		68	0	0	0		0	68
2013	June	11	0	79		79	0	0	0		0	79
2013	July	4	0	83		83	0	0	0		0	83
2013	August	7	0	90		90	0	0	0		0	90
2013	September	3	0	93		93	0	0	0		0	93
2013	October	10	0	103		103	0	0	0		0	103
2013	November	6	0	109		109	0	0	0		0	109
2013	December	7	0	116		116	0	0	0		0	116
2014	January	15	0	131		131	0	0	0		0	131
2014	February	6	0	137		137	0	0	0		0	137
2014	March	3	0	140		140	0	0	0		0	140
2014	April	9	0	149		149	0	0	0		0	149
2014	May	6	0	155		155	0	0	0		0	155
2014	June	6	0	161		161	0	0	0		0	161
2014	July	9	0	170		170	0	0	0		0	170
2014	August	5	0	175		175	0	0	0		0	175
2014	September	26	0	201		201	0	0	0		0	201
2014	October	82	0	283		283	0	0	0		0	283
2014	November	117	0	400		400	0	0	0		0	400
2014	December	117	0	517		517	0	0	0		0	517

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October	264		264		264			0		0	264
2012	November	577		841		841			0		0	841
2012	December			841		841			0		0	841
2013	January			841		841			0		0	841
2013	February	2,888		3,729		3,729			0		0	3,729
2013	March	170		3,899		3,899			0		0	3,899
2013	April	1,716		5,615		5,615			0		0	5,615
2013	May	1,250		6,865		6,865			0		0	6,865
2013	June	1,175		8,039		8,039			0		0	8,039
2013	July	315		8,355		8,355			0		0	8,355
2013	August	684		9,039		9,039			0		0	9,039
2013	September	323		9,362		9,362			0		0	9,362
2013	October	535		9,897		9,897			0		0	9,897
2013	November	410		10,307		10,307			0		0	10,307
2013	December	599		10,905		10,905			0		0	10,905
2014	January	740		11,645		11,645			0		0	11,645
2014	February	270		11,915		11,915			0		0	11,915
2014	March	168		12,084		12,084			0		0	12,084
2014	April	565		12,649		12,649			0		0	12,649
2014	May	373		13,022		13,022			0		0	13,022
2014	June	479		13,500		13,500			0		0	13,500
2014	July	429		13,930		13,930			0		0	13,930
2014	August	263		14,193		14,193			0		0	14,193
2014	September	2,612		16,806		16,806			0		0	16,806
2014	October	4,550		21,355		21,355			0		0	21,355
2014	November	5,692		27,047		27,047			0		0	27,047
2014	December	5,906		32,953		32,953			0		0	32,953

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C.16 Residential Duct Sealing (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October	4		4		4			0		0	4	132		132	1.82		1.82
2012	November	8		12		12			0		0	12	105		105	1.45		1.45
2012	December			12		12			0		0	12	105		105	1.45		1.45
2013	January			12		12			0		0	12	105		105	1.45		1.45
2013	February	40		51		51			0		0	51	155		155	2.14		2.14
2013	March	2		53		53			0		0	53	139		139	1.89		1.89
2013	April	24		77		77			0		0	77	110		110	1.50		1.50
2013	May	17		94		94			0		0	94	101		101	1.38		1.38
2013	June	16		110		110			0		0	110	102		102	1.39		1.39
2013	July	4		114		114			0		0	114	101		101	1.38		1.38
2013	August	9		124		124			0		0	124	100		100	1.37		1.37
2013	September	4		128		128			0		0	128	101		101	1.38		1.38
2013	October	7		136		136			0		0	136	96		96	1.32		1.32
2013	November	6		141		141			0		0	141	95		95	1.30		1.30
2013	December	8		149		149			0		0	149	94		94	1.29		1.29
2014	January	7		157		157			0		0	157	89		89	1.20		1.20
2014	February	3		159		159			0		0	159	87		87	1.16		1.16
2014	March	2		161		161			0		0	161	86		86	1.15		1.15
2014	April	6		166		166			0		0	166	85		85	1.12		1.12
2014	May	4		170		170			0		0	170	84		84	1.10		1.10
2014	June	5		175		175			0		0	175	84		84	1.09		1.09
2014	July	4		179		179			0		0	179	82		82	1.05		1.05
2014	August	3		182		182			0		0	182	81		81	1.04		1.04
2014	September	26		207		207			0		0	207	84		84	1.03		1.03
2014	October	45		252		252			0		0	252	75		75	0.89		0.89
2014	November	56		308		308			0		0	308	68		68	0.77		0.77
2014	December	58		366		366			0		0	366	64		64	0.71		0.71

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2015	January	106	0	623		623	1	0	1		1	624
2015	February	163	0	786		786	28	0	29		29	815
2015	March	132	0	918		918	85	0	114		114	1,032
2015	April	201	0	1,119		1,119	60	0	174		174	1,293
2015	May	233	0	1,352		1,352	77	0	251		251	1,603
2015	June	262	0	1,614		1,614	59	0	310		310	1,924
2015	July	168	0	1,782		1,782	12	0	322		322	2,104
2015	August	185	0	1,967		1,967	0	0	322		322	2,289
2015	September	134	0	2,101		2,101	0	0	322		322	2,423
2015	October	68	0	2,169		2,169	1	0	323		323	2,492
2015	November	59	0	2,228		2,228	0	0	323		323	2,551
2015	December	149	0	2,377		2,377	0	0	323		323	2,700
2016	January	53	0	2,430		2,430	1	0	324		324	2,754
2016	February	96	0	2,526		2,526	26	0	350		350	2,876
2016	March	48	0	2,574		2,574	66	0	416		416	2,990
2016	April	48	0	2,622		2,622	49	0	465		465	3,087
2016	May	40	0	2,662		2,662	25	0	490		490	3,152
2016	June	48	0	2,710		2,710	21	0	511		511	3,221
2016	July	14	0	2,724		2,724	19	0	530	19	530	3,254
2016	August	36	0	2,760		2,760	6	0	536	25	536	3,296
2016	September	55	0	2,815		2,815	1	0	537	26	537	3,352
2016	October	67	0	2,882		2,882	3	0	540	29	540	3,422
2016	November	95	0	2,977		2,977	0	0	540	29	29	3,517
2016	December	58	0	3,035		3,035	0	0	540		29	3,575
2017	January	101	0	3,136		3,136	8	0	548		37	3,684
2017	February	147	0	3,283		3,283	5	0	553		42	3,836
2017	March	16	0	3,299		3,299	1	0	554		43	3,853
2017	April	0	0	3,299		3,299	0	0	554		43	3,853
2017	May	0	0	3,299		3,299	0	0	554		43	3,853
2017	June	0	0	3,299		3,299	0	0	554		43	3,853
2017	July	0	0	3,299		3,299	0	0	554		43	3,853
2017	August	0	0	3,299		3,299	0	0	554		43	3,853
2017	September	0	0	3,299		3,299	0	0	554		43	3,853
2017	October	0	0	3,299		3,299	0	0	554		43	3,853
2017	November	0	0	3,299		3,299	0	0	554		43	3,853
2017	December	0	0	3,299		3,299	0	0	554		43	3,853

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C.16 Residential Duct Sealing (DSM II) - 2012-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	5,448		38,401		38,401	58		58		58	38,459
2015	February	7,642		46,043		46,043	1,649		1,707		1,707	47,750
2015	March	6,286		52,329		52,329	4,331		6,037		6,037	58,367
2015	April	9,099		61,428		61,428	3,171		9,208		9,208	70,637
2015	May	11,291		72,720		72,720	3,850		13,058		13,058	85,778
2015	June	12,135		84,855		84,855	3,005		16,063		16,063	100,918
2015	July	6,995		91,850		91,850	678		16,742		16,742	108,591
2015	August	8,560		100,410		100,410			16,742		16,742	117,151
2015	September	5,958		106,368		106,368			16,742		16,742	123,109
2015	October	3,014		109,382		109,382	50		16,791		16,791	126,173
2015	November	2,748		112,130		112,130			16,791		16,791	128,921
2015	December	6,181		118,311		118,311			16,791		16,791	135,102
2016	January	3,147		121,458		121,458	39		16,830		16,830	138,288
2016	February	4,683		126,141		126,141	1,237		18,068		18,068	144,209
2016	March	1,989		128,131		128,131	3,681		21,749		21,749	149,880
2016	April	2,173		130,304		130,304	2,362		24,111		24,111	154,415
2016	May	2,388		132,692		132,692	1,251		25,362		25,362	158,054
2016	June	2,284		134,975		134,975	864		26,226		26,226	161,202
2016	July	612		135,587		135,587	777		27,004	777	27,004	162,591
2016	August	1,494		137,081		137,081	414		27,418	1,191	27,418	164,499
2016	September	2,395		139,476		139,476	39		27,457	1,231	27,457	166,933
2016	October	3,208		142,685		142,685	95		27,553	1,326	27,553	170,237
2016	November	4,432		147,117		147,117			27,553	1,326	1,326	174,670
2016	December	1,971		149,088		149,088			27,553		1,326	176,641
2017	January	4,818		153,906		153,906	436		27,989		1,763	181,895
2017	February	6,556		160,462		160,462	193		28,181		1,955	188,644
2017	March	763		161,225		161,225	38		28,219		1,993	189,444
2017	April			161,225		161,225			28,219		1,993	189,444
2017	May			161,225		161,225			28,219		1,993	189,444
2017	June			161,225		161,225			28,219		1,993	189,444
2017	July			161,225		161,225			28,219		1,993	189,444
2017	August			161,225		161,225			28,219		1,993	189,444
2017	September			161,225		161,225			28,219		1,993	189,444
2017	October			161,225		161,225			28,219		1,993	189,444
2017	November			161,225		161,225			28,219		1,993	189,444
2017	December			161,225		161,225			28,219		1,993	189,444

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	54		420		420	1		1		1	420	62	58	62	0.67	0.51	0.67
2015	February	75		495		495	15		15		15	510	59	59	59	0.63	0.52	0.63
2015	March	62		557		557	38		53		53	610	57	53	57	0.61	0.47	0.59
2015	April	89		646		646	28		81		81	727	55	53	55	0.58	0.47	0.56
2015	May	111		757		757	34		115		115	872	54	52	54	0.56	0.46	0.54
2015	June	119		876		876	26		142		142	1,018	53	52	52	0.54	0.46	0.53
2015	July	69		945		945	6		148		148	1,093	52	52	52	0.53	0.46	0.52
2015	August	84		1,029		1,029			148		148	1,177	51	52	51	0.52	0.46	0.51
2015	September	59		1,088		1,088			148		148	1,236	51	52	51	0.52	0.46	0.51
2015	October	30		1,118		1,118	0		148		148	1,266	50	52	51	0.52	0.46	0.51
2015	November	27		1,145		1,145			148		148	1,293	50	52	51	0.51	0.46	0.51
2015	December	61		1,205		1,205			148		148	1,354	50	52	50	0.51	0.46	0.50
2016	January	31		1,236		1,236	0		148		148	1,385	50	52	50	0.51	0.46	0.50
2016	February	46		1,282		1,282	11		159		159	1,442	50	52	50	0.51	0.46	0.50
2016	March	20		1,302		1,302	32		192		192	1,494	50	52	50	0.51	0.46	0.50
2016	April	21		1,323		1,323	21		213		213	1,536	50	52	50	0.50	0.46	0.50
2016	May	23		1,347		1,347	11		224		224	1,570	50	52	50	0.51	0.46	0.50
2016	June	22		1,369		1,369	8		231		231	1,600	50	51	50	0.51	0.45	0.50
2016	July	6		1,375		1,375	7		238	7	238	1,613	50	51	50	0.50	0.45	0.50
2016	August	15		1,390		1,390	4		242	11	242	1,632	50	51	50	0.50	0.45	0.50
2016	September	24		1,413		1,413	0		242	11	242	1,655	50	51	50	0.50	0.45	0.49
2016	October	32		1,445		1,445	1		243	12	243	1,688	50	51	50	0.50	0.45	0.49
2016	November	44		1,488		1,488			243	12	12	1,731	49	51	50	0.50	0.45	0.49
2016	December	19		1,508		1,508			243		12	1,751	49	51	49	0.50	0.45	0.49
2017	January	47		1,555		1,555	4		247		16	1,802	49	51	49	0.50	0.45	0.49
2017	February	64		1,620		1,620	2		249		17	1,868	49	51	49	0.49	0.45	0.49
2017	March	8		1,627		1,627	0		249		18	1,876	49	51	49	0.49	0.45	0.49
2017	April			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	May			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	June			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	July			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	August			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	September			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	October			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	November			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2017	December			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2018	January	0	0	3,299		3,299	0	0	554		43	3,853
2018	February	0	0	3,299		3,299	0	0	554		43	3,853
2018	March	0	0	3,299		3,299	0	0	554		43	3,853
2018	April	0	0	3,299		3,299	0	0	554		43	3,853
2018	May	0	0	3,299		3,299	0	0	554		43	3,853
2018	June	0	0	3,299		3,299	0	0	554		43	3,853
2018	July	0	0	3,299		3,299	0	0	554		43	3,853
2018	August	0	0	3,299		3,299	0	0	554		43	3,853
2018	September	0	0	3,299		3,299	0	0	554		43	3,853
2018	October	0	0	3,299		3,299	0	0	554		43	3,853
2018	November	0	0	3,299		3,299	0	0	554		43	3,853
2018	December	0	0	3,299		3,299	0	0	554		43	3,853
2019	January	0	0	3,299		3,299	0	0	554		43	3,853
2019	February	0	0	3,299		3,299	0	0	554		43	3,853
2019	March	0	0	3,299		3,299	0	0	554		43	3,853
2019	April	0	0	3,299		3,299	0	0	554		43	3,853
2019	May	0	0	3,299		3,299	0	0	554		43	3,853
2019	June	0	0	3,299		3,299	0	0	554		43	3,853
2019	July	0	0	3,299		3,299	0	0	554	0	43	3,853
2019	August	0	0	3,299		3,299	0	0	554	0	43	3,853
2019	September	0	0	3,299		3,299	0	0	554	0	43	3,853
2019	October	0	0	3,299		3,299	0	0	554	0	43	3,853
2019	November	0	0	3,299		3,299	0	0	554	0	0	3,853
2019	December	0	0	3,299		3,299	0	0	554		0	3,853
2020	January	0	0	3,299		3,299	0	0	554		0	3,853
2020	February	0	0	3,299		3,299	0	0	554		0	3,853
2020	March	0	0	3,299		3,299	0	0	554		0	3,853
2020	April	0	0	3,299		3,299	0	0	554		0	3,853
2020	May	0	0	3,299		3,299	0	0	554		0	3,853
2020	June	0	0	3,299		3,299	0	0	554		0	3,853
2020	July	0	0	3,299		3,299	0	0	554		0	3,853
2020	August	0	0	3,299		3,299	0	0	554		0	3,853
2020	September	0	0	3,299		3,299	0	0	554		0	3,853
2020	October	0	0	3,299		3,299	0	0	554		0	3,853
2020	November	0	0	3,299		3,299	0	0	554		0	3,853
2020	December	0	0	3,299		3,299	0	0	554		0	3,853

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			161,225		161,225			28,219		1,993	189,444
2018	February			161,225		161,225			28,219		1,993	189,444
2018	March			161,225		161,225			28,219		1,993	189,444
2018	April			161,225		161,225			28,219		1,993	189,444
2018	May			161,225		161,225			28,219		1,993	189,444
2018	June			161,225		161,225			28,219		1,993	189,444
2018	July			161,225		161,225			28,219		1,993	189,444
2018	August			161,225		161,225			28,219		1,993	189,444
2018	September			161,225		161,225			28,219		1,993	189,444
2018	October			161,225		161,225			28,219		1,993	189,444
2018	November			161,225		161,225			28,219		1,993	189,444
2018	December			161,225		161,225			28,219		1,993	189,444
2019	January			161,225		161,225			28,219		1,993	189,444
2019	February			161,225		161,225			28,219		1,993	189,444
2019	March			161,225		161,225			28,219		1,993	189,444
2019	April			161,225		161,225			28,219		1,993	189,444
2019	May			161,225		161,225			28,219		1,993	189,444
2019	June			161,225		161,225			28,219		1,993	189,444
2019	July			161,225		161,225			28,219	0	1,993	189,444
2019	August			161,225		161,225			28,219	0	1,993	189,444
2019	September			161,225		161,225			28,219	0	1,993	189,444
2019	October			161,225		161,225			28,219	0	1,993	189,444
2019	November			161,225		161,225			28,219	0	0	189,444
2019	December			161,225		161,225			28,219		0	189,444
2020	January			161,225		161,225			28,219		0	189,444
2020	February			161,225		161,225			28,219		0	189,444
2020	March			161,225		161,225			28,219		0	189,444
2020	April			161,225		161,225			28,219		0	189,444
2020	May			161,225		161,225			28,219		0	189,444
2020	June			161,225		161,225			28,219		0	189,444
2020	July			161,225		161,225			28,219		0	189,444
2020	August			161,225		161,225			28,219		0	189,444
2020	September			161,225		161,225			28,219		0	189,444
2020	October			161,225		161,225			28,219		0	189,444
2020	November			161,225		161,225			28,219		0	189,444
2020	December			161,225		161,225			28,219		0	189,444

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	February			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	March			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	April			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	May			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	June			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	July			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	August			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	September			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	October			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	November			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2018	December			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	January			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	February			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	March			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	April			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	May			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	June			1,627		1,627			249		18	1,876	49	51	49	0.49	0.45	0.49
2019	July			1,627		1,627			249	0	18	1,876	49	51	49	0.49	0.45	0.49
2019	August			1,627		1,627			249	0	18	1,876	49	51	49	0.49	0.45	0.49
2019	September			1,627		1,627			249	0	18	1,876	49	51	49	0.49	0.45	0.49
2019	October			1,627		1,627			249	0	18	1,876	49	51	49	0.49	0.45	0.49
2019	November			1,627		1,627			249	0	0	1,876	49	51	49	0.49	0.45	0.49
2019	December			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	January			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	February			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	March			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	April			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	May			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	June			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	July			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	August			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	September			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	October			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	November			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49
2020	December			1,627		1,627			249		0	1,876	49	51	49	0.49	0.45	0.49

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			8		8			-		-	8
2013			108		108			-		-	108
2014			401		401			-		-	401
2015			1,860		1,860			323		323	2,183
2016			658		658			217		29	875
2017			264		264			14		14	278
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			8		8			-		-	8
2013			108		108			-		-	108
2014			401		401			-		-	401
2015			1,860		1,860			323		323	2,183
2016			658		658			217		29	875
2017			264		264			14		14	278
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			8					-			8
2013			116					-			116
2014			517					-			517
2015			2,369					323			2,692
2016			2,919					540			3,459
2017			2,782					554			3,336
2018			922					231			1,153
2019			264					14			278
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1,946		1,946			-		-	1,946
2013			76,759		76,759			-		-	76,759
2014			70,234		70,234			-		-	70,234
2015			598,792		598,792			146,730		146,730	745,521
2016			205,001		205,001			95,389		76,519	300,390
2017			137,557		137,557			7,734		7,734	145,291
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			10,093		10,093			-		-	10,093
2013			120,772		120,772			-		-	120,772
2014			264,570		264,570			-		-	264,570
2015			1,024,299		1,024,299			201,495		201,495	1,225,794
2016			369,325		369,325			129,136		15,915	498,461
2017			145,638		145,638			8,003		8,003	153,641
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			1,946					-			1,946
2013			86,852					-			86,852
2014			201,099					-			201,099
2015			984,134					146,730			1,130,863
2016			1,493,870					296,884			1,790,754
2017			1,531,181					338,365			1,869,546
2018			514,964					137,138			652,102
2019			145,638					8,003			153,641
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year	Gross Peak Demand (kW)											Incremental Energy Savings/Participant Gross kWh/Participant for IRP			Incremental Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			12		12			-		-	12	243	-	243	1.45	-	1.45
2013			138		138			-		-	138	711	-	711	1.28	-	1.28
2014			217		217			-		-	217	175	-	175	0.54	-	0.54
2015			839		839			148		148	987	322	454	342	0.45	0.46	0.45
2016			302		302			95		12	397	312	440	343	0.46	0.44	0.45
2017			119		119			6		6	125	521	552	523	0.45	0.42	0.45
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year	Gross Peak Demand (kW)											Annualized Energy Savings/Participant Gross kWh/Participant for IRP			Annualized Capacity Savings/Participant Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			12		12			-		-	12	1,262	-	1,262	1.45	-	1.45
2013			138		138			-		-	138	1,118	-	1,118	1.28	-	1.28
2014			217		217			-		-	217	660	-	660	0.54	-	0.54
2015			839		839			148		148	987	551	624	562	0.45	0.46	0.45
2016			302		302			95		12	397	561	595	570	0.46	0.44	0.45
2017			119		119			6		6	125	552	572	553	0.45	0.42	0.45
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)	Gross Peak Demand (kW)											PPI Energy Savings/Participant Gross kWh/Participant for IRP			PPI Capacity Savings/Participant Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			12					-			12		-			-	
2013			149					-			149		-			-	
2014			366					-			366		-			-	
2015			1,194					148			1,342		454			0.46	
2016			1,358					243			1,601		550			0.45	
2017			1,261					249			1,510		611			0.45	
2018			422					101			523		594			0.44	
2019			119					6			125		572			0.42	
2020			-					-			-		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			8		8			-		-	8
2013			116		116			-		-	116
2014			517		517			-		-	517
2015			2,377		2,377			323		323	2,700
2016			3,035		3,035			540		29	3,575
2017			3,299		3,299			554		43	3,853
2018			3,299		3,299			554		43	3,853
2019			3,299		3,299			554		-	3,853
2020			3,299		3,299			554		-	3,853

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			8					-			8
2013			116					-			116
2014			517					-			517
2015			2,377					323			2,700
2016			3,035					540			3,575
2017			3,299					554			3,853
2018			3,299					554			3,853
2019			3,299					554			3,853
2020			3,299					554			3,853
2021			3,299					554			3,853
2022			3,299					554			3,853
2023			3,299					554			3,853
2024			3,299					554			3,853
2025			3,299					554			3,853
2026			3,299					554			3,853
2027			3,299					554			3,853
2028			3,299					554			3,853
2029			3,299					554			3,853
2030			3,299					554			3,853
2031			3,299					554			3,853
2032			3,299					554			3,853
2033			3,299					554			3,853
2034			3,299					554			3,853
2035			3,299					554			3,853
2036			3,299					554			3,853

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1,946		1,946			0		0	1,946
2013			86,852		86,852			0		0	86,852
2014			201,099		201,099			0		0	201,099
2015			994,226		994,226			146,730		146,730	1,140,956
2016			1,624,735		1,624,735			296,884		244,431	1,921,619
2017			1,926,616		1,926,616			338,365		23,649	2,264,980
2018			1,934,698		1,934,698			338,633		23,917	2,273,331
2019			1,934,698		1,934,698			338,633		19,931	2,273,331
2020			1,934,698		1,934,698			338,633		0	2,273,331

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			1,946					-			1,946
2013			88,798					-			88,798
2014			289,897					-			289,897
2015			1,284,123					146,730			1,430,853
2016			2,908,858					443,613			3,352,471
2017			4,835,474					781,978			5,617,452
2018			6,770,171					1,120,611			7,890,782
2019			8,704,869					1,459,244			10,164,113
2020			10,639,566					1,797,878			12,437,444
2021			12,574,264					2,136,511			14,710,774
2022			14,508,961					2,475,144			16,984,105
2023			16,443,659					2,813,777			19,257,436
2024			18,378,356					3,152,410			21,530,767
2025			20,313,054					3,491,043			23,804,097
2026			22,247,751					3,829,677			26,077,428
2027			24,182,449					4,168,310			28,350,759
2028			26,117,146					4,506,943			30,624,089
2029			28,051,844					4,845,576			32,897,420
2030			29,984,595					5,184,209			35,168,804
2031			31,832,441					5,522,842			37,355,283
2032			33,566,040					5,861,476			39,427,515
2033			34,506,511					6,053,379			40,559,890
2034			34,816,474					6,095,129			40,911,602
2035			34,824,555					6,095,397			40,919,953
2036			34,824,555					6,095,397			40,919,953

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			12		12			-		-	12	243	-	243	1.45	-	1.45
2013			149		149			-		-	149	749	-	749	1.29	-	1.29
2014			366		366			-		-	366	389	-	389	0.71	-	0.71
2015			1,205		1,205			148		148	1,354	418	454	423	0.51	0.46	0.50
2016			1,508		1,508			243		12	1,751	535	550	538	0.50	0.45	0.49
2017			1,627		1,627			249		18	1,876	584	611	588	0.49	0.45	0.49
2018			1,627		1,627			249		18	1,876	586	611	590	0.49	0.45	0.49
2019			1,627		1,627			249		-	1,876	586	611	590	0.49	0.45	0.49
2020			1,627		1,627			249		-	1,876	586	611	590	0.49	0.45	0.49

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			12					-			12	243	-	243	1.45	-	1.45
2013			149					-			149	766	-	766	1.29	-	1.29
2014			366					-			366	561	-	561	0.71	-	0.71
2015			1,205					148			1,354	540	454	530	0.51	0.46	0.50
2016			1,508					243			1,751	958	822	938	0.50	0.45	0.49
2017			1,627					249			1,876	1,466	1,412	1,458	0.49	0.45	0.49
2018			1,627					249			1,876	2,052	2,023	2,048	0.49	0.45	0.49
2019			1,627					249			1,876	2,639	2,634	2,638	0.49	0.45	0.49
2020			1,627					249			1,876	3,225	3,245	3,228	0.49	0.45	0.49
2021			1,627					249			1,876	3,812	3,857	3,818	0.49	0.45	0.49
2022			1,627					249			1,876	4,398	4,468	4,408	0.49	0.45	0.49
2023			1,627					249			1,876	4,984	5,079	4,998	0.49	0.45	0.49
2024			1,627					249			1,876	5,571	5,690	5,588	0.49	0.45	0.49
2025			1,627					249			1,876	6,157	6,302	6,178	0.49	0.45	0.49
2026			1,627					249			1,876	6,744	6,913	6,768	0.49	0.45	0.49
2027			1,627					249			1,876	7,330	7,524	7,358	0.49	0.45	0.49
2028			1,627					249			1,876	7,917	8,135	7,948	0.49	0.45	0.49
2029			1,627					249			1,876	8,503	8,747	8,538	0.49	0.45	0.49
2030			1,627					249			1,876	9,089	9,358	9,128	0.49	0.45	0.49
2031			1,627					249			1,876	9,649	9,969	9,695	0.49	0.45	0.49
2032			1,627					249			1,876	10,175	10,580	10,233	0.49	0.45	0.49
2033			1,627					249			1,876	10,460	10,927	10,527	0.49	0.45	0.49
2034			1,627					249			1,876	10,554	11,002	10,618	0.49	0.45	0.49
2035			1,627					249			1,876	10,556	11,003	10,620	0.49	0.45	0.49
2036			1,627					249			1,876	10,556	11,003	10,620	0.49	0.45	0.49

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Program:	**Residential Home Energy Check-up**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**10.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	4	0	4		4	0	0	0		0	4
2012	November	6	0	10		10	0	0	0		0	10
2012	December	21	0	31		31	0	0	0		0	31
2013	January	22	0	53		53	0	0	0		0	53
2013	February	37	0	90		90	0	0	0		0	90
2013	March	14	0	104		104	0	0	0		0	104
2013	April	27	0	131		131	0	0	0		0	131
2013	May	42	0	173		173	0	0	0		0	173
2013	June	15	0	188		188	0	0	0		0	188
2013	July	15	0	203		203	0	0	0		0	203
2013	August	61	0	264		264	0	0	0		0	264
2013	September	75	0	339		339	0	0	0		0	339
2013	October	219	0	558		558	0	0	0		0	558
2013	November	305	0	863		863	0	0	0		0	863
2013	December	737	0	1,600		1,600	0	0	0		0	1,600
2014	January	541	0	2,141		2,141	0	0	0		0	2,141
2014	February	942	0	3,083		3,083	0	0	0		0	3,083
2014	March	877	0	3,960		3,960	0	0	0		0	3,960
2014	April	1,372	0	5,332		5,332	0	0	0		0	5,332
2014	May	1,247	0	6,579		6,579	0	0	0		0	6,579
2014	June	1,751	0	8,330		8,330	0	0	0		0	8,330
2014	July	2,023	0	10,353		10,353	0	0	0		0	10,353
2014	August	2,079	0	12,432		12,432	0	0	0		0	12,432
2014	September	3,222	0	15,654		15,654	0	0	0		0	15,654
2014	October	1,739	0	17,393		17,393	0	0	0		0	17,393
2014	November	544	0	17,937		17,937	0	0	0		0	17,937
2014	December	3,366	0	21,303		21,303	0	0	0		0	21,303

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October	251		251		251			0		0	251
2012	November	431		681		681			0		0	681
2012	December	1,359		2,040		2,040			0		0	2,040
2013	January	1,254		3,294		3,294			0		0	3,294
2013	February	2,137		5,431		5,431			0		0	5,431
2013	March	905		6,336		6,336			0		0	6,336
2013	April	1,636		7,972		7,972			0		0	7,972
2013	May	2,691		10,663		10,663			0		0	10,663
2013	June	903		11,565		11,565			0		0	11,565
2013	July	1,030		12,595		12,595			0		0	12,595
2013	August	3,878		16,473		16,473			0		0	16,473
2013	September	4,678		21,151		21,151			0		0	21,151
2013	October	13,348		34,499		34,499			0		0	34,499
2013	November	18,822		53,321		53,321			0		0	53,321
2013	December	45,089		98,410		98,410			0		0	98,410
2014	January	21,766		120,176		120,176			0		0	120,176
2014	February	39,481		159,658		159,658			0		0	159,658
2014	March	34,726		194,383		194,383			0		0	194,383
2014	April	58,089		252,472		252,472			0		0	252,472
2014	May	49,930		302,403		302,403			0		0	302,403
2014	June	68,114		370,517		370,517			0		0	370,517
2014	July	73,873		444,390		444,390			0		0	444,390
2014	August	80,458		524,847		524,847			0		0	524,847
2014	September	165,970		690,817		690,817			0		0	690,817
2014	October	90,281		781,098		781,098			0		0	781,098
2014	November	29,805		810,903		810,903			0		0	810,903
2014	December	168,629		979,533		979,533			0		0	979,533

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October	0		0		0			0		0	0	63		63	0.11		0.11
2012	November	1		1		1			0		0	1	68		68	0.11		0.11
2012	December	2		3		3			0		0	3	66		66	0.10		0.10
2013	January	2		5		5			0		0	5	62		62	0.10		0.10
2013	February	3		8		8			0		0	8	60		60	0.09		0.09
2013	March	1		10		10			0		0	10	61		61	0.09		0.09
2013	April	2		12		12			0		0	12	61		61	0.09		0.09
2013	May	4		16		16			0		0	16	62		62	0.09		0.09
2013	June	1		18		18			0		0	18	62		62	0.09		0.09
2013	July	1		19		19			0		0	19	62		62	0.09		0.09
2013	August	6		25		25			0		0	25	62		62	0.09		0.09
2013	September	7		32		32			0		0	32	62		62	0.09		0.09
2013	October	20		51		51			0		0	51	62		62	0.09		0.09
2013	November	28		79		79			0		0	79	62		62	0.09		0.09
2013	December	64		143		143			0		0	143	62		62	0.09		0.09
2014	January	29		172		172			0		0	172	56		56	0.08		0.08
2014	February	52		225		225			0		0	225	52		52	0.07		0.07
2014	March	47		272		272			0		0	272	49		49	0.07		0.07
2014	April	76		348		348			0		0	348	47		47	0.07		0.07
2014	May	66		414		414			0		0	414	46		46	0.06		0.06
2014	June	94		508		508			0		0	508	44		44	0.06		0.06
2014	July	112		620		620			0		0	620	43		43	0.06		0.06
2014	August	115		735		735			0		0	735	42		42	0.06		0.06
2014	September	192		927		927			0		0	927	44		44	0.06		0.06
2014	October	101		1,028		1,028			0		0	1,028	45		45	0.06		0.06
2014	November	30		1,058		1,058			0		0	1,058	45		45	0.06		0.06
2014	December	191		1,249		1,249			0		0	1,249	46		46	0.06		0.06

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C.17 Residential Home Energy Check-up (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2015	January	1,829	0	23,132		23,132	0	0	0		0	23,132
2015	February	985	0	24,117		24,117	152	0	152		152	24,269
2015	March	957	0	25,074		25,074	156	0	308		308	25,382
2015	April	906	0	25,980		25,980	128	0	436		436	26,416
2015	May	1,038	0	27,018		27,018	237	0	673		673	27,691
2015	June	1,227	0	28,245		28,245	200	0	873		873	29,118
2015	July	1,219	0	29,464		29,464	86	0	959		959	30,423
2015	August	1,355	0	30,819		30,819	5	0	964		964	31,783
2015	September	1,500	0	32,319		32,319	27	0	991		991	33,310
2015	October	1,121	0	33,440		33,440	4	0	995		995	34,435
2015	November	1,107	0	34,547		34,547	0	0	995		995	35,542
2015	December	616	0	35,163		35,163	1	0	996		996	36,159
2016	January	737	0	35,900		35,900	3	0	999		999	36,899
2016	February	889	0	36,789		36,789	1	0	1,000		1,000	37,789
2016	March	1,301	0	38,090		38,090	0	0	1,000		1,000	39,090
2016	April	1,804	0	39,894		39,894	0	0	1,000		1,000	40,894
2016	May	2,211	0	42,105		42,105	0	0	1,000		1,000	43,105
2016	June	1,360	0	43,465		43,465	0	0	1,000		1,000	44,465
2016	July	1,348	0	44,813		44,813	0	0	1,000	0	1,000	45,813
2016	August	1,913	0	46,726		46,726	0	0	1,000	0	1,000	47,726
2016	September	880	0	47,606		47,606	0	0	1,000	0	1,000	48,606
2016	October	1,074	0	48,680		48,680	0	0	1,000	0	1,000	49,680
2016	November	1,328	0	50,008		50,008	0	0	1,000	0	0	51,008
2016	December	407	0	50,415		50,415	0	0	1,000		0	51,415
2017	January	1,069	0	51,484		51,484	5	0	1,005		5	52,489
2017	February	377	0	51,861		51,861	39	0	1,044		44	52,905
2017	March	54	0	51,915		51,915	5	0	1,049		49	52,964
2017	April	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	May	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	June	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	July	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	August	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	September	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	October	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	November	0	0	51,915		51,915	0	0	1,049		49	52,964
2017	December	0	0	51,915		51,915	0	0	1,049		49	52,964

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	74,429		1,053,961		1,053,961			0		0	1,053,961
2015	February	40,442		1,094,403		1,094,403	9,901		9,901		9,901	1,104,305
2015	March	37,809		1,132,212		1,132,212	8,685		18,587		18,587	1,150,799
2015	April	33,373		1,165,585		1,165,585	6,216		24,802		24,802	1,190,387
2015	May	36,994		1,202,579		1,202,579	10,530		35,333		35,333	1,237,912
2015	June	49,120		1,251,700		1,251,700	8,935		44,267		44,267	1,295,967
2015	July	48,873		1,300,573		1,300,573	3,355		47,622		47,622	1,348,195
2015	August	55,266		1,355,838		1,355,838	219		47,841		47,841	1,403,679
2015	September	67,609		1,423,447		1,423,447	1,314		49,155		49,155	1,472,602
2015	October	46,778		1,470,225		1,470,225	214		49,369		49,369	1,519,594
2015	November	51,943		1,522,168		1,522,168			49,369		49,369	1,571,537
2015	December	26,804		1,548,972		1,548,972	59		49,428		49,428	1,598,400
2016	January	25,831		1,574,803		1,574,803	100		49,528		49,528	1,624,332
2016	February	35,802		1,610,605		1,610,605	27		49,555		49,555	1,660,160
2016	March	44,577		1,655,182		1,655,182			49,555		49,555	1,704,738
2016	April	61,131		1,716,313		1,716,313			49,555		49,555	1,765,869
2016	May	78,555		1,794,868		1,794,868			49,555		49,555	1,844,424
2016	June	43,917		1,838,786		1,838,786			49,555		49,555	1,888,341
2016	July	51,465		1,890,250		1,890,250			49,555	0	49,555	1,939,806
2016	August	74,695		1,964,946		1,964,946			49,555	0	49,555	2,014,501
2016	September	34,718		1,999,664		1,999,664			49,555	0	49,555	2,049,219
2016	October	39,803		2,039,467		2,039,467			49,555	0	49,555	2,089,022
2016	November	57,123		2,096,590		2,096,590			49,555	0	0	2,146,146
2016	December	17,319		2,113,909		2,113,909			49,555		0	2,163,464
2017	January	50,028		2,163,937		2,163,937	475		50,031		475	2,213,967
2017	February	16,470		2,180,406		2,180,406	2,055		52,086		2,530	2,232,492
2017	March	2,467		2,182,874		2,182,874	391		52,476		2,921	2,235,350
2017	April			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	May			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	June			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	July			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	August			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	September			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	October			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	November			2,182,874		2,182,874			52,476		2,921	2,235,350
2017	December			2,182,874		2,182,874			52,476		2,921	2,235,350

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	94		1,343		1,343			0		0	1,343	46		46	0.06		0.06
2015	February	52		1,394		1,394	10		10		10	1,404	45	65	46	0.06	0.07	0.06
2015	March	49		1,444		1,444	9		19		19	1,463	45	60	45	0.06	0.06	0.06
2015	April	42		1,485		1,485	7		26		26	1,511	45	57	45	0.06	0.06	0.06
2015	May	46		1,532		1,532	11		37		37	1,569	45	53	45	0.06	0.05	0.06
2015	June	61		1,593		1,593	10		47		47	1,640	44	51	45	0.06	0.05	0.06
2015	July	58		1,652		1,652	4		50		50	1,702	44	50	44	0.06	0.05	0.06
2015	August	66		1,718		1,718	0		50		50	1,768	44	50	44	0.06	0.05	0.06
2015	September	78		1,796		1,796	1		52		52	1,848	44	50	44	0.06	0.05	0.06
2015	October	55		1,851		1,851	0		52		52	1,903	44	50	44	0.06	0.05	0.06
2015	November	60		1,911		1,911			52		52	1,963	44	50	44	0.06	0.05	0.06
2015	December	32		1,944		1,944	0		52		52	1,996	44	50	44	0.06	0.05	0.06
2016	January	33		1,976		1,976	0		52		52	2,029	44	50	44	0.06	0.05	0.05
2016	February	43		2,019		2,019	0		52		52	2,072	44	50	44	0.05	0.05	0.05
2016	March	56		2,075		2,075			52		52	2,128	43	50	44	0.05	0.05	0.05
2016	April	77		2,153		2,153			52		52	2,205	43	50	43	0.05	0.05	0.05
2016	May	100		2,253		2,253			52		52	2,305	43	50	43	0.05	0.05	0.05
2016	June	56		2,309		2,309			52		52	2,361	42	50	42	0.05	0.05	0.05
2016	July	63		2,371		2,371			52	0	52	2,424	42	50	42	0.05	0.05	0.05
2016	August	88		2,459		2,459			52	0	52	2,511	42	50	42	0.05	0.05	0.05
2016	September	41		2,501		2,501			52	0	52	2,553	42	50	42	0.05	0.05	0.05
2016	October	48		2,549		2,549			52	0	52	2,601	42	50	42	0.05	0.05	0.05
2016	November	66		2,614		2,614			52	0	0	2,667	42	50	42	0.05	0.05	0.05
2016	December	21		2,635		2,635			52		0	2,687	42	50	42	0.05	0.05	0.05
2017	January	55		2,690		2,690	0		53		0	2,743	42	50	42	0.05	0.05	0.05
2017	February	19		2,709		2,709	2		54		2	2,763	42	50	42	0.05	0.05	0.05
2017	March	3		2,711		2,711	0		55		2	2,766	42	50	42	0.05	0.05	0.05
2017	April			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	May			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	June			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	July			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	August			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	September			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	October			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	November			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2017	December			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2018	January	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	February	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	March	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	April	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	May	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	June	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	July	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	August	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	September	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	October	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	November	0	0	51,915		51,915	0	0	1,049		49	52,964
2018	December	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	January	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	February	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	March	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	April	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	May	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	June	0	0	51,915		51,915	0	0	1,049		49	52,964
2019	July	0	0	51,915		51,915	0	0	1,049	0	49	52,964
2019	August	0	0	51,915		51,915	0	0	1,049	0	49	52,964
2019	September	0	0	51,915		51,915	0	0	1,049	0	49	52,964
2019	October	0	0	51,915		51,915	0	0	1,049	0	49	52,964
2019	November	0	0	51,915		51,915	0	0	1,049	0	0	52,964
2019	December	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	January	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	February	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	March	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	April	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	May	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	June	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	July	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	August	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	September	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	October	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	November	0	0	51,915		51,915	0	0	1,049		0	52,964
2020	December	0	0	51,915		51,915	0	0	1,049		0	52,964

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	February			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	March			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	April			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	May			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	June			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	July			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	August			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	September			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	October			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	November			2,182,874		2,182,874			52,476		2,921	2,235,350
2018	December			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	January			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	February			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	March			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	April			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	May			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	June			2,182,874		2,182,874			52,476		2,921	2,235,350
2019	July			2,182,874		2,182,874			52,476	0	2,921	2,235,350
2019	August			2,182,874		2,182,874			52,476	0	2,921	2,235,350
2019	September			2,182,874		2,182,874			52,476	0	2,921	2,235,350
2019	October			2,182,874		2,182,874			52,476	0	2,921	2,235,350
2019	November			2,182,874		2,182,874			52,476	0	0	2,235,350
2019	December			2,182,874		2,182,874			52,476		0	2,235,350
2020	January			2,182,874		2,182,874			52,476		0	2,235,350
2020	February			2,182,874		2,182,874			52,476		0	2,235,350
2020	March			2,182,874		2,182,874			52,476		0	2,235,350
2020	April			2,182,874		2,182,874			52,476		0	2,235,350
2020	May			2,182,874		2,182,874			52,476		0	2,235,350
2020	June			2,182,874		2,182,874			52,476		0	2,235,350
2020	July			2,182,874		2,182,874			52,476		0	2,235,350
2020	August			2,182,874		2,182,874			52,476		0	2,235,350
2020	September			2,182,874		2,182,874			52,476		0	2,235,350
2020	October			2,182,874		2,182,874			52,476		0	2,235,350
2020	November			2,182,874		2,182,874			52,476		0	2,235,350
2020	December			2,182,874		2,182,874			52,476		0	2,235,350

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	February			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	March			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	April			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	May			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	June			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	July			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	August			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	September			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	October			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	November			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2018	December			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	January			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	February			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	March			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	April			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	May			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	June			2,711		2,711			55		2	2,766	42	50	42	0.05	0.05	0.05
2019	July			2,711		2,711			55	0	2	2,766	42	50	42	0.05	0.05	0.05
2019	August			2,711		2,711			55	0	2	2,766	42	50	42	0.05	0.05	0.05
2019	September			2,711		2,711			55	0	2	2,766	42	50	42	0.05	0.05	0.05
2019	October			2,711		2,711			55	0	2	2,766	42	50	42	0.05	0.05	0.05
2019	November			2,711		2,711			55	0	0	2,766	42	50	42	0.05	0.05	0.05
2019	December			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	January			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	February			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	March			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	April			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	May			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	June			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	July			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	August			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	September			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	October			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	November			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05
2020	December			2,711		2,711			55		0	2,766	42	50	42	0.05	0.05	0.05

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			31		31			-		-	31
2013			1,569		1,569			-		-	1,569
2014			19,703		19,703			-		-	19,703
2015			13,860		13,860			996		996	14,856
2016			15,252		15,252			4		-	15,256
2017			1,500		1,500			49		49	1,549
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			31		31			-		-	31
2013			1,569		1,569			-		-	1,569
2014			19,703		19,703			-		-	19,703
2015			13,860		13,860			996		996	14,856
2016			15,252		15,252			4		-	15,256
2017			1,500		1,500			49		49	1,549
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			31					-			31
2013			1,600					-			1,600
2014			21,303					-			21,303
2015			35,132					996			36,128
2016			48,815					1,000			49,815
2017			30,612					1,049			31,661
2018			16,752					53			16,805
2019			1,500					49			1,549
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			2,972		2,972			-		-	2,972
2013			257,228		257,228			-		-	257,228
2014			4,450,277		4,450,277			-		-	4,450,277
2015			3,767,271		3,767,271			425,674		425,674	4,192,946
2016			3,707,722		3,707,722			1,496		1,242	3,709,218
2017			806,172		806,172			32,215		32,215	838,387
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			24,482		24,482			-		-	24,482
2013			1,156,438		1,156,438			-		-	1,156,438
2014			10,573,472		10,573,472			-		-	10,573,472
2015			6,833,270		6,833,270			593,141		593,141	7,426,411
2016			6,779,245		6,779,245			1,523		-	6,780,768
2017			827,576		827,576			35,051		35,051	862,628
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			2,972					-			2,972
2013			281,711					-			281,711
2014			5,631,197					-			5,631,197
2015			15,497,181					425,674			15,922,855
2016			21,114,463					594,638			21,709,101
2017			14,418,687					626,880			15,045,567
2018			7,606,822					36,574			7,643,396
2019			827,576					35,051			862,628
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			3		3			-		-	3	96	-	96	0.10	-	0.10
2013			140		140			-		-	140	164	-	164	0.09	-	0.09
2014			1,106		1,106			-		-	1,106	226	-	226	0.06	-	0.06
2015			695		695			52		52	747	272	427	282	0.05	0.05	0.05
2016			691		691			0		-	692	243	374	243	0.05	0.04	0.05
2017			76		76			2		2	79	537	657	541	0.05	0.05	0.05
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			3		3			-		-	3	790	-	790	0.10	-	0.10
2013			140		140			-		-	140	737	-	737	0.09	-	0.09
2014			1,106		1,106			-		-	1,106	537	-	537	0.06	-	0.06
2015			695		695			52		52	747	493	596	500	0.05	0.05	0.05
2016			691		691			0		-	692	444	381	444	0.05	0.04	0.05
2017			76		76			2		2	79	552	715	557	0.05	0.05	0.05
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			3					-			3		-			-	
2013			143					-			143		-			-	
2014			1,249					-			1,249		-			-	
2015			1,941					52			1,993		427			0.05	
2016			2,492					52			2,544		595			0.05	
2017			1,462					55			1,517		598			0.05	
2018			768					3			770		690			0.05	
2019			76					2			79		715			0.05	
2020			-					-			-		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			31		31			-		-	31
2013			1,600		1,600			-		-	1,600
2014			21,303		21,303			-		-	21,303
2015			35,163		35,163			996		996	36,159
2016			50,415		50,415			1,000		-	51,415
2017			51,915		51,915			1,049		49	52,964
2018			51,915		51,915			1,049		49	52,964
2019			51,915		51,915			1,049		-	52,964
2020			51,915		51,915			1,049		-	52,964

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			31					-			31
2013			1,600					-			1,600
2014			21,303					-			21,303
2015			35,163					996			36,159
2016			50,415					1,000			51,415
2017			51,915					1,049			52,964
2018			51,915					1,049			52,964
2019			51,915					1,049			52,964
2020			51,915					1,049			52,964
2021			51,915					1,049			52,964
2022			51,915					1,049			52,964
2023			51,915					1,049			52,964
2024			51,915					1,049			52,964
2025			51,915					1,049			52,964
2026			51,915					1,049			52,964
2027			51,915					1,049			52,964
2028			51,915					1,049			52,964

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			2,972		2,972			0		0	2,972
2013			281,711		281,711			0		0	281,711
2014			5,631,197		5,631,197			0		0	5,631,197
2015			15,521,663		15,521,663			425,674		425,674	15,947,338
2016			22,295,384		22,295,384			594,638		495,527	22,890,021
2017			26,173,079		26,173,079			626,880		32,215	26,799,959
2018			26,194,484		26,194,484			629,716		35,051	26,824,199
2019			26,194,484		26,194,484			629,716		29,209	26,824,199
2020			26,194,484		26,194,484			629,716		0	26,824,199

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			2,972					-			2,972
2013			284,683					-			284,683
2014			5,915,880					-			5,915,880
2015			21,437,544					425,674			21,863,218
2016			43,732,927					1,020,312			44,753,239
2017			69,906,007					1,647,192			71,553,198
2018			96,100,490					2,276,907			98,377,397
2019			122,294,974					2,906,623			125,201,597
2020			148,489,457					3,536,339			152,025,796
2021			174,683,941					4,166,054			178,849,996
2022			200,875,453					4,795,770			205,671,223
2023			226,788,225					5,425,486			232,213,711
2024			247,351,512					6,055,202			253,406,713
2025			258,024,332					6,259,243			264,283,575
2026			261,923,432					6,294,321			268,217,753
2027			261,944,836					6,297,157			268,241,994
2028			261,944,836					6,297,157			268,241,994

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			3		3			-		-	3	96	-	96	0.10	-	0.10
2013			143		143			-		-	143	176	-	176	0.09	-	0.09
2014			1,249		1,249			-		-	1,249	264	-	264	0.06	-	0.06
2015			1,944		1,944			52		52	1,996	441	427	441	0.06	0.05	0.06
2016			2,635		2,635			52		-	2,687	442	595	445	0.05	0.05	0.05
2017			2,711		2,711			55		2	2,766	504	598	506	0.05	0.05	0.05
2018			2,711		2,711			55		2	2,766	505	600	506	0.05	0.05	0.05
2019			2,711		2,711			55		-	2,766	505	600	506	0.05	0.05	0.05
2020			2,711		2,711			55		-	2,766	505	600	506	0.05	0.05	0.05

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			3					-			3	96	-	96	0.10	-	0.10
2013			143					-			143	178	-	178	0.09	-	0.09
2014			1,249					-			1,249	278	-	278	0.06	-	0.06
2015			1,944					52			1,996	610	427	605	0.06	0.05	0.06
2016			2,635					52			2,687	867	1,020	870	0.05	0.05	0.05
2017			2,711					55			2,766	1,347	1,570	1,351	0.05	0.05	0.05
2018			2,711					55			2,766	1,851	2,171	1,857	0.05	0.05	0.05
2019			2,711					55			2,766	2,356	2,771	2,364	0.05	0.05	0.05
2020			2,711					55			2,766	2,860	3,371	2,870	0.05	0.05	0.05
2021			2,711					55			2,766	3,365	3,971	3,377	0.05	0.05	0.05
2022			2,711					55			2,766	3,869	4,572	3,883	0.05	0.05	0.05
2023			2,711					55			2,766	4,368	5,172	4,384	0.05	0.05	0.05
2024			2,711					55			2,766	4,765	5,772	4,785	0.05	0.05	0.05
2025			2,711					55			2,766	4,970	5,967	4,990	0.05	0.05	0.05
2026			2,711					55			2,766	5,045	6,000	5,064	0.05	0.05	0.05
2027			2,711					55			2,766	5,046	6,003	5,065	0.05	0.05	0.05
2028			2,711					55			2,766	5,046	6,003	5,065	0.05	0.05	0.05

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Program:	**Residential Appliance Recycling**
DSM Phase:	**4**
Type:	
Program Life in years	
Starting from 2015:	**8.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2015	January	0	0	0		0	0	0	0		0	0
2015	February	0	0	0		0	0	0	0		0	0
2015	March	0	0	0		0	0	0	0		0	0
2015	April	0	0	0		0	0	0	0		0	0
2015	May	0	0	0		0	0	0	0		0	0
2015	June	0	0	0		0	0	0	0		0	0
2015	July	0	0	0		0	0	0	0		0	0
2015	August	0	0	0		0	0	0	0		0	0
2015	September	921	0	921		921	0	0	0		0	921
2015	October	1,007	0	1,928		1,928	0	0	0		0	1,928
2015	November	1,067	0	2,995		2,995	0	0	0		0	2,995
2015	December	146	0	3,141		3,141	0	0	0		0	3,141
2016	January	206	0	3,347		3,347	0	0	0		0	3,347
2016	February	4	0	3,351		3,351	0	0	0		0	3,351
2016	March	876	0	4,227		4,227	0	0	0		0	4,227
2016	April	653	0	4,880		4,880	0	0	0		0	4,880
2016	May	525	0	5,405		5,405	0	0	0		0	5,405
2016	June	1,202	0	6,607		6,607	0	0	0		0	6,607
2016	July	519	0	7,126		7,126	0	0	0		0	7,126
2016	August	1,102	0	8,228		8,228	0	0	0		0	8,228
2016	September	671	0	8,899		8,899	0	0	0		0	8,899
2016	October	615	0	9,514		9,514	0	0	0		0	9,514
2016	November	713	0	10,227		10,227	0	0	0		0	10,227
2016	December	648	0	10,875		10,875	0	0	0		0	10,875
2017	January	815	0	11,690		11,690	0	0	0		0	11,690
2017	February	313	0	12,003		12,003	0	0	0		0	12,003
2017	March	416	0	12,419		12,419	0	0	0		0	12,419
2017	April	511	0	12,930		12,930	0	0	0		0	12,930
2017	May	584	0	13,514		13,514	0	0	0		0	13,514
2017	June	475	0	13,989		13,989	0	0	0		0	13,989
2017	July	15	0	14,004		14,004	0	0	0		0	14,004
2017	August	0	0	14,004		14,004	0	0	0		0	14,004
2017	September	0	0	14,004		14,004	0	0	0		0	14,004
2017	October	0	0	14,004		14,004	0	0	0		0	14,004
2017	November	0	0	14,004		14,004	0	0	0		0	14,004
2017	December	0	0	14,004		14,004	0	0	0		0	14,004

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January			0		0			0		0	0
2015	February			0		0			0		0	0
2015	March			0		0			0		0	0
2015	April			0		0			0		0	0
2015	May			0		0			0		0	0
2015	June			0		0			0		0	0
2015	July			0		0			0		0	0
2015	August			0		0			0		0	0
2015	September	85,475		85,475		85,475			0		0	85,475
2015	October	94,204		179,679		179,679			0		0	179,679
2015	November	94,694		274,373		274,373			0		0	274,373
2015	December	12,956		287,328		287,328			0		0	287,328
2016	January	18,353		305,681		305,681			0		0	305,681
2016	February	418		306,099		306,099			0		0	306,099
2016	March	65,927		372,026		372,026			0		0	372,026
2016	April	52,456		424,482		424,482			0		0	424,482
2016	May	40,844		465,326		465,326			0		0	465,326
2016	June	98,785		564,111		564,111			0		0	564,111
2016	July	42,735		606,846		606,846			0		0	606,846
2016	August	96,035		702,881		702,881			0		0	702,881
2016	September	58,181		761,062		761,062			0		0	761,062
2016	October	52,902		813,964		813,964			0		0	813,964
2016	November	61,607		875,571		875,571			0		0	875,571
2016	December	55,301		930,872		930,872			0		0	930,872
2017	January	67,673		998,545		998,545			0		0	998,545
2017	February	25,659		1,024,204		1,024,204			0		0	1,024,204
2017	March	32,960		1,057,164		1,057,164			0		0	1,057,164
2017	April	41,653		1,098,817		1,098,817			0		0	1,098,817
2017	May	46,444		1,145,261		1,145,261			0		0	1,145,261
2017	June	36,073		1,181,334		1,181,334			0		0	1,181,334
2017	July	908		1,182,242		1,182,242			0		0	1,182,242
2017	August			1,182,242		1,182,242			0		0	1,182,242
2017	September			1,182,242		1,182,242			0		0	1,182,242
2017	October			1,182,242		1,182,242			0		0	1,182,242
2017	November			1,182,242		1,182,242			0		0	1,182,242
2017	December			1,182,242		1,182,242			0		0	1,182,242

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January			0		0			0		0	0			-			-
2015	February			0		0			0		0	0			-			-
2015	March			0		0			0		0	0			-			-
2015	April			0		0			0		0	0			-			-
2015	May			0		0			0		0	0			-			-
2015	June			0		0			0		0	0			-			-
2015	July			0		0			0		0	0			-			-
2015	August			0		0			0		0	0			-			-
2015	September	154		154		154			0		0	154	93		93	0.17		0.17
2015	October	169		323		323			0		0	323	93		93	0.17		0.17
2015	November	170		493		493			0		0	493	92		92	0.16		0.16
2015	December	23		516		516			0		0	516	91		91	0.16		0.16
2016	January	33		549		549			0		0	549	91		91	0.16		0.16
2016	February	1		550		550			0		0	550	91		91	0.16		0.16
2016	March	118		668		668			0		0	668	88		88	0.16		0.16
2016	April	94		762		762			0		0	762	87		87	0.16		0.16
2016	May	73		836		836			0		0	836	86		86	0.15		0.15
2016	June	177		1,013		1,013			0		0	1,013	85		85	0.15		0.15
2016	July	77		1,090		1,090			0		0	1,090	85		85	0.15		0.15
2016	August	172		1,262		1,262			0		0	1,262	85		85	0.15		0.15
2016	September	105		1,367		1,367			0		0	1,367	86		86	0.15		0.15
2016	October	95		1,462		1,462			0		0	1,462	86		86	0.15		0.15
2016	November	111		1,573		1,573			0		0	1,573	86		86	0.15		0.15
2016	December	99		1,672		1,672			0		0	1,672	86		86	0.15		0.15
2017	January	122		1,794		1,794			0		0	1,794	85		85	0.15		0.15
2017	February	46		1,840		1,840			0		0	1,840	85		85	0.15		0.15
2017	March	59		1,899		1,899			0		0	1,899	85		85	0.15		0.15
2017	April	75		1,974		1,974			0		0	1,974	85		85	0.15		0.15
2017	May	83		2,057		2,057			0		0	2,057	85		85	0.15		0.15
2017	June	65		2,122		2,122			0		0	2,122	84		84	0.15		0.15
2017	July	2		2,123		2,123			0		0	2,123	84		84	0.15		0.15
2017	August			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2017	September			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2017	October			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2017	November			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2017	December			2,123		2,123			0		0	2,123	84		84	0.15		0.15

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2018	January	0	0	14,004		14,004	0	0	0		0	14,004
2018	February	0	0	14,004		14,004	0	0	0		0	14,004
2018	March	0	0	14,004		14,004	0	0	0		0	14,004
2018	April	0	0	14,004		14,004	0	0	0		0	14,004
2018	May	0	0	14,004		14,004	0	0	0		0	14,004
2018	June	0	0	14,004		14,004	0	0	0		0	14,004
2018	July	0	0	14,004		14,004	0	0	0		0	14,004
2018	August	0	0	14,004		14,004	0	0	0		0	14,004
2018	September	0	0	14,004		14,004	0	0	0		0	14,004
2018	October	0	0	14,004		14,004	0	0	0		0	14,004
2018	November	0	0	14,004		14,004	0	0	0		0	14,004
2018	December	0	0	14,004		14,004	0	0	0		0	14,004
2019	January	0	0	14,004		14,004	0	0	0		0	14,004
2019	February	0	0	14,004		14,004	0	0	0		0	14,004
2019	March	0	0	14,004		14,004	0	0	0		0	14,004
2019	April	0	0	14,004		14,004	0	0	0		0	14,004
2019	May	0	0	14,004		14,004	0	0	0		0	14,004
2019	June	0	0	14,004		14,004	0	0	0		0	14,004
2019	July	0	0	14,004		14,004	0	0	0		0	14,004
2019	August	0	0	14,004		14,004	0	0	0		0	14,004
2019	September	0	0	14,004		14,004	0	0	0		0	14,004
2019	October	0	0	14,004		14,004	0	0	0		0	14,004
2019	November	0	0	14,004		14,004	0	0	0		0	14,004
2019	December	0	0	14,004		14,004	0	0	0		0	14,004
2020	January	0	0	14,004		14,004	0	0	0		0	14,004
2020	February	0	0	14,004		14,004	0	0	0		0	14,004
2020	March	0	0	14,004		14,004	0	0	0		0	14,004
2020	April	0	0	14,004		14,004	0	0	0		0	14,004
2020	May	0	0	14,004		14,004	0	0	0		0	14,004
2020	June	0	0	14,004		14,004	0	0	0		0	14,004
2020	July	0	0	14,004		14,004	0	0	0		0	14,004
2020	August	0	0	14,004		14,004	0	0	0		0	14,004
2020	September	0	0	14,004		14,004	0	0	0		0	14,004
2020	October	0	0	14,004		14,004	0	0	0		0	14,004
2020	November	0	0	14,004		14,004	0	0	0		0	14,004
2020	December	0	0	14,004		14,004	0	0	0		0	14,004

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			1,182,242		1,182,242			0		0	1,182,242
2018	February			1,182,242		1,182,242			0		0	1,182,242
2018	March			1,182,242		1,182,242			0		0	1,182,242
2018	April			1,182,242		1,182,242			0		0	1,182,242
2018	May			1,182,242		1,182,242			0		0	1,182,242
2018	June			1,182,242		1,182,242			0		0	1,182,242
2018	July			1,182,242		1,182,242			0		0	1,182,242
2018	August			1,182,242		1,182,242			0		0	1,182,242
2018	September			1,182,242		1,182,242			0		0	1,182,242
2018	October			1,182,242		1,182,242			0		0	1,182,242
2018	November			1,182,242		1,182,242			0		0	1,182,242
2018	December			1,182,242		1,182,242			0		0	1,182,242
2019	January			1,182,242		1,182,242			0		0	1,182,242
2019	February			1,182,242		1,182,242			0		0	1,182,242
2019	March			1,182,242		1,182,242			0		0	1,182,242
2019	April			1,182,242		1,182,242			0		0	1,182,242
2019	May			1,182,242		1,182,242			0		0	1,182,242
2019	June			1,182,242		1,182,242			0		0	1,182,242
2019	July			1,182,242		1,182,242			0		0	1,182,242
2019	August			1,182,242		1,182,242			0		0	1,182,242
2019	September			1,182,242		1,182,242			0		0	1,182,242
2019	October			1,182,242		1,182,242			0		0	1,182,242
2019	November			1,182,242		1,182,242			0		0	1,182,242
2019	December			1,182,242		1,182,242			0		0	1,182,242
2020	January			1,182,242		1,182,242			0		0	1,182,242
2020	February			1,182,242		1,182,242			0		0	1,182,242
2020	March			1,182,242		1,182,242			0		0	1,182,242
2020	April			1,182,242		1,182,242			0		0	1,182,242
2020	May			1,182,242		1,182,242			0		0	1,182,242
2020	June			1,182,242		1,182,242			0		0	1,182,242
2020	July			1,182,242		1,182,242			0		0	1,182,242
2020	August			1,182,242		1,182,242			0		0	1,182,242
2020	September			1,182,242		1,182,242			0		0	1,182,242
2020	October			1,182,242		1,182,242			0		0	1,182,242
2020	November			1,182,242		1,182,242			0		0	1,182,242
2020	December			1,182,242		1,182,242			0		0	1,182,242

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	February			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	March			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	April			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	May			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	June			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	July			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	August			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	September			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	October			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	November			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2018	December			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	January			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	February			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	March			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	April			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	May			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	June			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	July			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	August			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	September			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	October			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	November			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2019	December			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	January			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	February			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	March			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	April			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	May			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	June			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	July			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	August			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	September			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	October			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	November			2,123		2,123			0		0	2,123	84		84	0.15		0.15
2020	December			2,123		2,123			0		0	2,123	84		84	0.15		0.15

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			3,141		3,141			-		-	3,141
2016			7,734		7,734			-		-	7,734
2017			3,129		3,129			-		-	3,129
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			3,141		3,141			-		-	3,141
2016			7,734		7,734			-		-	7,734
2017			3,129		3,129			-		-	3,129
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2015			3,141					-			3,141
2016			10,875					-			10,875
2017			14,004					-			14,004
2018			10,863					-			10,863
2019			3,129					-			3,129
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			826,855		826,855			-		-	826,855
2016			3,680,982		3,680,982			-		-	3,680,982
2017			2,428,307		2,428,307			-		-	2,428,307
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			3,447,939		3,447,939			-		-	3,447,939
2016			7,722,529		7,722,529			-		-	7,722,529
2017			3,016,432		3,016,432			-		-	3,016,432
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2015			826,855					-			826,855
2016			7,128,922					-			7,128,922
2017			13,598,776					-			13,598,776
2018			10,738,961					-			10,738,961
2019			3,016,432					-			3,016,432
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			516		516			-		-	516	263	-	263	0.16	-	0.16
2016			1,156		1,156			-		-	1,156	476	-	476	0.15	-	0.15
2017			451		451			-		-	451	776	-	776	0.14	-	0.14
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			516		516			-		-	516	1,098	-	1,098	0.16	-	0.16
2016			1,156		1,156			-		-	1,156	999	-	999	0.15	-	0.15
2017			451		451			-		-	451	964	-	964	0.14	-	0.14
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2015			516					-			516		-			-	
2016			1,672					-			1,672		-			-	
2017			2,123					-			2,123		-			-	
2018			1,607					-			1,607		-			-	
2019			451					-			451		-			-	
2020			-					-			-		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			3,141		3,141			-		-	3,141
2016			10,875		10,875			-		-	10,875
2017			14,004		14,004			-		-	14,004
2018			14,004		14,004			-		-	14,004
2019			14,004		14,004			-		-	14,004
2020			14,004		14,004			-		-	14,004

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2015			3,141					-			3,141
2016			10,875					-			10,875
2017			14,004					-			14,004
2018			14,004					-			14,004
2019			14,004					-			14,004
2020			14,004					-			14,004
2021			14,004					-			14,004
2022			14,004					-			14,004
2023			14,004					-			14,004
2024			14,004					-			14,004
2025			14,004					-			14,004
2026			14,004					-			14,004

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2015			826,855		826,855			0		0	826,855
2016			7,128,922		7,128,922			0		0	7,128,922
2017			13,598,776		13,598,776			0		0	13,598,776
2018			14,186,901		14,186,901			0		0	14,186,901
2019			14,186,901		14,186,901			0		0	14,186,901
2020			14,186,901		14,186,901			0		0	14,186,901

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2015			826,855					-			826,855
2016			7,955,777					-			7,955,777
2017			21,554,553					-			21,554,553
2018			35,741,454					-			35,741,454
2019			49,928,354					-			49,928,354
2020			64,115,255					-			64,115,255
2021			78,302,155					-			78,302,155
2022			92,489,056					-			92,489,056
2023			105,849,101					-			105,849,101
2024			112,907,080					-			112,907,080
2025			113,495,205					-			113,495,205
2026			113,495,205					-			113,495,205

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2015			516		516			-		-	516	263	-	263	0.16	-	0.16
2016			1,672		1,672			-		-	1,672	656	-	656	0.15	-	0.15
2017			2,123		2,123			-		-	2,123	971	-	971	0.15	-	0.15
2018			2,123		2,123			-		-	2,123	1,013	-	1,013	0.15	-	0.15
2019			2,123		2,123			-		-	2,123	1,013	-	1,013	0.15	-	0.15
2020			2,123		2,123			-		-	2,123	1,013	-	1,013	0.15	-	0.15

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2015			516					-			516	263	-	263	0.16	-	0.16
2016			1,672					-			1,672	732	-	732	0.15	-	0.15
2017			2,123					-			2,123	1,539	-	1,539	0.15	-	0.15
2018			2,123					-			2,123	2,552	-	2,552	0.15	-	0.15
2019			2,123					-			2,123	3,565	-	3,565	0.15	-	0.15
2020			2,123					-			2,123	4,578	-	4,578	0.15	-	0.15
2021			2,123					-			2,123	5,591	-	5,591	0.15	-	0.15
2022			2,123					-			2,123	6,604	-	6,604	0.15	-	0.15
2023			2,123					-			2,123	7,558	-	7,558	0.15	-	0.15
2024			2,123					-			2,123	8,062	-	8,062	0.15	-	0.15
2025			2,123					-			2,123	8,104	-	8,104	0.15	-	0.15
2026			2,123					-			2,123	8,104	-	8,104	0.15	-	0.15

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Program:	**Residential Retail LED**
DSM Phase:	**5**
Type:	
Program Life in years	
Starting from 2017:	**20.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2017	January	0	0	0		0	0	0	0		0	0
2017	February	0	0	0		0	0	0	0		0	0
2017	March	0	0	0		0	0	0	0		0	0
2017	April	0	0	0		0	0	0	0		0	0
2017	May	0	0	0		0	0	0	0		0	0
2017	June	0	0	0		0	0	0	0		0	0
2017	July	0	0	0		0	0	0	0		0	0
2017	August	0	0	0		0	5,018	0	5,018		5,018	5,018
2017	September	0	0	0		0	14,683	0	19,701		19,701	19,701
2017	October	0	0	0		0	14,758	0	34,459		34,459	34,459
2017	November	0	0	0		0	19,836	0	54,295		54,295	54,295
2017	December	0	0	0		0	15,966	0	70,261		70,261	70,261
2018	January	0	0	0		0	12,482	0	82,743		82,743	82,743
2018	February	0	0	0		0	29,279	0	112,022		112,022	112,022
2018	March	0	0	0		0	13,614	0	125,636		125,636	125,636
2018	April	0	0	0		0	21,629	0	147,265		147,265	147,265
2018	May	0	0	0		0	11,552	0	158,817		158,817	158,817
2018	June	0	0	0		0	14,694	0	173,511		173,511	173,511
2018	July	0	0	0		0	20,050	0	193,561		193,561	193,561
2018	August	0	0	0		0	25,185	0	218,746		218,746	218,746
2018	September	0	0	0		0	32,534	0	251,280		251,280	251,280
2018	October	0	0	0		0	11,899	0	263,179		263,179	263,179
2018	November	0	0	0		0	42,003	0	305,182		305,182	305,182
2018	December	0	0	0		0	29,315	0	334,497		334,497	334,497
2019	January	0	0	0		0	0	0	334,497		334,497	334,497
2019	February	0	0	0		0	0	0	334,497		334,497	334,497
2019	March	0	0	0		0	0	0	334,497		334,497	334,497
2019	April	0	0	0		0	0	0	334,497		334,497	334,497
2019	May	0	0	0		0	0	0	334,497		334,497	334,497
2019	June	0	0	0		0	0	0	334,497		334,497	334,497
2019	July	0	0	0		0	0	0	334,497	0	334,497	334,497
2019	August	0	0	0		0	0	0	334,497	0	334,497	334,497
2019	September	0	0	0		0	0	0	334,497	0	334,497	334,497
2019	October	0	0	0		0	0	0	334,497	0	334,497	334,497
2019	November	0	0	0		0	0	0	334,497	0	0	334,497
2019	December	0	0	0		0	0	0	334,497		0	334,497

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2017	January			0		0			0		0	0
2017	February			0		0			0		0	0
2017	March			0		0			0		0	0
2017	April			0		0			0		0	0
2017	May			0		0			0		0	0
2017	June			0		0			0		0	0
2017	July			0		0			0		0	0
2017	August			0		0	13,036		13,036		13,036	13,036
2017	September			0		0	37,513		50,548		50,548	50,548
2017	October			0		0	38,005		88,553		88,553	88,553
2017	November			0		0	53,335		141,888		141,888	141,888
2017	December			0		0	42,701		184,589		184,589	184,589
2018	January			0		0	23,284		207,873		207,873	207,873
2018	February			0		0	56,030		263,903		263,903	263,903
2018	March			0		0	25,803		289,706		289,706	289,706
2018	April			0		0	39,612		329,318		329,318	329,318
2018	May			0		0	22,347		351,665		351,665	351,665
2018	June			0		0	28,746		380,411		380,411	380,411
2018	July			0		0	37,711		418,121		418,121	418,121
2018	August			0		0	46,404		464,525		464,525	464,525
2018	September			0		0	53,821		518,346		518,346	518,346
2018	October			0		0	23,797		542,142		542,142	542,142
2018	November			0		0	75,855		617,997		617,997	617,997
2018	December			0		0	59,781		677,778		677,778	677,778
2019	January			0		0			677,778		677,778	677,778
2019	February			0		0			677,778		677,778	677,778
2019	March			0		0			677,778		677,778	677,778
2019	April			0		0			677,778		677,778	677,778
2019	May			0		0			677,778		677,778	677,778
2019	June			0		0			677,778		677,778	677,778
2019	July			0		0			677,778	0	677,778	677,778
2019	August			0		0			677,778	0	677,778	677,778
2019	September			0		0			677,778	0	677,778	677,778
2019	October			0		0			677,778	0	677,778	677,778
2019	November			0		0			677,778	0	0	677,778
2019	December			0		0			677,778		0	677,778

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2017	January			0		0			0		0	0			-			-
2017	February			0		0			0		0	0			-			-
2017	March			0		0			0		0	0			-			-
2017	April			0		0			0		0	0			-			-
2017	May			0		0			0		0	0			-			-
2017	June			0		0			0		0	0			-			-
2017	July			0		0			0		0	0			-			-
2017	August			0		0	17		17		17	17		3	3		0.00	0.00
2017	September			0		0	49		66		66	66		3	3		0.00	0.00
2017	October			0		0	50		116		116	116		3	3		0.00	0.00
2017	November			0		0	70		186		186	186		3	3		0.00	0.00
2017	December			0		0	56		242		242	242		3	3		0.00	0.00
2018	January			0		0	29		271		271	271		3	3		0.00	0.00
2018	February			0		0	69		340		340	340		2	2		0.00	0.00
2018	March			0		0	32		372		372	372		2	2		0.00	0.00
2018	April			0		0	49		420		420	420		2	2		0.00	0.00
2018	May			0		0	27		448		448	448		2	2		0.00	0.00
2018	June			0		0	35		483		483	483		2	2		0.00	0.00
2018	July			0		0	46		529		529	529		2	2		0.00	0.00
2018	August			0		0	57		586		586	586		2	2		0.00	0.00
2018	September			0		0	66		653		653	653		2	2		0.00	0.00
2018	October			0		0	29		682		682	682		2	2		0.00	0.00
2018	November			0		0	93		775		775	775		2	2		0.00	0.00
2018	December			0		0	73		848		848	848		2	2		0.00	0.00
2019	January			0		0			848		848	848		2	2		0.00	0.00
2019	February			0		0			848		848	848		2	2		0.00	0.00
2019	March			0		0			848		848	848		2	2		0.00	0.00
2019	April			0		0			848		848	848		2	2		0.00	0.00
2019	May			0		0			848		848	848		2	2		0.00	0.00
2019	June			0		0			848		848	848		2	2		0.00	0.00
2019	July			0		0			848	0	848	848		2	2		0.00	0.00
2019	August			0		0			848	0	848	848		2	2		0.00	0.00
2019	September			0		0			848	0	848	848		2	2		0.00	0.00
2019	October			0		0			848	0	848	848		2	2		0.00	0.00
2019	November			0		0			848	0	0	848		2	2		0.00	0.00
2019	December			0		0			848		0	848		2	2		0.00	0.00

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	0		0	0	0	334,497		0	334,497
2020	February	0	0	0		0	0	0	334,497		0	334,497
2020	March	0	0	0		0	0	0	334,497		0	334,497
2020	April	0	0	0		0	0	0	334,497		0	334,497
2020	May	0	0	0		0	0	0	334,497		0	334,497
2020	June	0	0	0		0	0	0	334,497		0	334,497
2020	July	0	0	0		0	0	0	334,497		0	334,497
2020	August	0	0	0		0	0	0	334,497		0	334,497
2020	September	0	0	0		0	0	0	334,497		0	334,497
2020	October	0	0	0		0	0	0	334,497		0	334,497
2020	November	0	0	0		0	0	0	334,497		0	334,497
2020	December	0	0	0		0	0	0	334,497		0	334,497

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			0		0			677,778		0	677,778
2020	February			0		0			677,778		0	677,778
2020	March			0		0			677,778		0	677,778
2020	April			0		0			677,778		0	677,778
2020	May			0		0			677,778		0	677,778
2020	June			0		0			677,778		0	677,778
2020	July			0		0			677,778		0	677,778
2020	August			0		0			677,778		0	677,778
2020	September			0		0			677,778		0	677,778
2020	October			0		0			677,778		0	677,778
2020	November			0		0			677,778		0	677,778
2020	December			0		0			677,778		0	677,778

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			0		0			848		0	848		2	2		0.00	0.00
2020	February			0		0			848		0	848		2	2		0.00	0.00
2020	March			0		0			848		0	848		2	2		0.00	0.00
2020	April			0		0			848		0	848		2	2		0.00	0.00
2020	May			0		0			848		0	848		2	2		0.00	0.00
2020	June			0		0			848		0	848		2	2		0.00	0.00
2020	July			0		0			848		0	848		2	2		0.00	0.00
2020	August			0		0			848		0	848		2	2		0.00	0.00
2020	September			0		0			848		0	848		2	2		0.00	0.00
2020	October			0		0			848		0	848		2	2		0.00	0.00
2020	November			0		0			848		0	848		2	2		0.00	0.00
2020	December			0		0			848		0	848		2	2		0.00	0.00

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			70,261		70,261	70,261
2018			-		-			264,236		264,236	264,236
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			70,261		70,261	70,261
2018			-		-			264,236		264,236	264,236
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2017			-					70,261			70,261
2018			-					334,497			334,497
2019			-					334,497			334,497
2020			-					264,236			264,236

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			70,261		70,261	70,261
2018			-		-			334,497		334,497	334,497
2019			-		-			334,497		-	334,497
2020			-		-			334,497		-	334,497

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2017			-					70,261			70,261
2018			-					334,497			334,497
2019			-					334,497			334,497
2020			-					334,497			334,497
2021			-					334,497			334,497
2022			-					334,497			334,497
2023			-					334,497			334,497
2024			-					334,497			334,497
2025			-					334,497			334,497
2026			-					334,497			334,497
2027			-					334,497			334,497
2028			-					334,497			334,497
2029			-					334,497			334,497
2030			-					334,497			334,497
2031			-					334,497			334,497
2032			-					334,497			334,497
2033			-					334,497			334,497
2034			-					334,497			334,497
2035			-					334,497			334,497
2036			-					334,497			334,497
2037			-					334,497			334,497
2038			-					334,497			334,497
2039			-					334,497			334,497

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			478,614		478,614	478,614
2018			-		-			2,846,712		2,846,712	2,846,712
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			2,215,073		2,215,073	2,215,073
2018			-		-			5,918,263		5,918,263	5,918,263
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2017			-					478,614			478,614
2018			-					5,061,784			5,061,784
2019			-					8,133,336			8,133,336
2020			-					5,918,263			5,918,263

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2017			-		-			478,614		478,614	478,614
2018			-		-			5,061,784		5,061,784	5,061,784
2019			-		-			8,133,336		6,777,780	8,133,336
2020			-		-			8,133,336		0	8,133,336

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2017			-					478,614			478,614
2018			-					5,540,399			5,540,399
2019			-					13,673,735			13,673,735
2020			-					21,807,071			21,807,071
2021			-					29,940,407			29,940,407
2022			-					38,073,742			38,073,742
2023			-					46,207,078			46,207,078
2024			-					54,340,414			54,340,414
2025			-					62,473,750			62,473,750
2026			-					70,607,086			70,607,086
2027			-					78,740,422			78,740,422
2028			-					86,873,758			86,873,758
2029			-					95,007,094			95,007,094
2030			-					103,140,430			103,140,430
2031			-					111,273,766			111,273,766
2032			-					119,407,102			119,407,102
2033			-					127,540,438			127,540,438
2034			-					135,673,774			135,673,774
2035			-					143,807,110			143,807,110
2036			-					151,940,445			151,940,445
2037			-					159,595,167			159,595,167
2038			-					162,666,719			162,666,719
2039			-					162,666,719			162,666,719

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			-		-			242		242	242	-	7	7	-	0.00	0.00
2018			-		-			606		606	606	-	11	11	-	0.00	0.00
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			-		-			242		242	242	-	32	32	-	0.00	0.00
2018			-		-			606		606	606	-	22	22	-	0.00	0.00
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2017			-					242			242		7			0.00	
2018			-					848			848		15			0.00	
2019			-					848			848		24			0.00	
2020			-					606			606		22			0.00	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2017			-		-			242		242	242	-	7	7	-	0.00	0.00
2018			-		-			848		848	848	-	15	15	-	0.00	0.00
2019			-		-			848		-	848	-	24	24	-	0.00	0.00
2020			-		-			848		-	848	-	24	24	-	0.00	0.00

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2017			-					242			242	-	7	7	-	0.00	0.00
2018			-					848			848	-	17	17	-	0.00	0.00
2019			-					848			848	-	41	41	-	0.00	0.00
2020			-					848			848	-	65	65	-	0.00	0.00
2021			-					848			848	-	90	90	-	0.00	0.00
2022			-					848			848	-	114	114	-	0.00	0.00
2023			-					848			848	-	138	138	-	0.00	0.00
2024			-					848			848	-	162	162	-	0.00	0.00
2025			-					848			848	-	187	187	-	0.00	0.00
2026			-					848			848	-	211	211	-	0.00	0.00
2027			-					848			848	-	235	235	-	0.00	0.00
2028			-					848			848	-	260	260	-	0.00	0.00
2029			-					848			848	-	284	284	-	0.00	0.00
2030			-					848			848	-	308	308	-	0.00	0.00
2031			-					848			848	-	333	333	-	0.00	0.00
2032			-					848			848	-	357	357	-	0.00	0.00
2033			-					848			848	-	381	381	-	0.00	0.00
2034			-					848			848	-	406	406	-	0.00	0.00
2035			-					848			848	-	430	430	-	0.00	0.00
2036			-					848			848	-	454	454	-	0.00	0.00
2037			-					848			848	-	477	477	-	0.00	0.00
2038			-					848			848	-	486	486	-	0.00	0.00
2039			-					848			848	-	486	486	-	0.00	0.00

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Program:	**Commercial Lighting Program**
DSM Phase:	**1**
Type:	
Program Life in years	
Starting from 2010:	**10.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2010	January	0	0	0		0	0	0	0		0	0
2010	February	0	0	0		0	0	0	0		0	0
2010	March	0	0	0		0	0	0	0		0	0
2010	April	0	0	0		0	0	0	0		0	0
2010	May	0	0	0		0	0	0	0		0	0
2010	June	12	0	12		12	0	0	0		0	12
2010	July	19	0	31		31	0	0	0		0	31
2010	August	53	0	84		84	0	0	0		0	84
2010	September	169	0	253		253	0	0	0		0	253
2010	October	57	0	310		310	0	0	0		0	310
2010	November	46	0	356		356	0	0	0		0	356
2010	December	43	0	399		399	0	0	0		0	399
2011	January	51	0	450		450	0	0	0		0	450
2011	February	557	0	1,007		1,007	0	0	0		0	1,007
2011	March	56	0	1,063		1,063	0	0	0		0	1,063
2011	April	42	0	1,105		1,105	0	0	0		0	1,105
2011	May	52	0	1,157		1,157	0	0	0		0	1,157
2011	June	73	0	1,230		1,230	0	0	0		0	1,230
2011	July	14	0	1,244		1,244	0	0	0		0	1,244
2011	August	122	0	1,366		1,366	0	0	0		0	1,366
2011	September	73	0	1,439		1,439	0	0	0		0	1,439
2011	October	69	0	1,508		1,508	0	0	0		0	1,508
2011	November	58	0	1,566		1,566	0	0	0		0	1,566
2011	December	140	0	1,706		1,706	1	0	1		1	1,707
2012	January	156	0	1,862		1,862	1	0	2		2	1,864
2012	February	226	0	2,088		2,088	2	0	4		4	2,092
2012	March	58	0	2,146		2,146	2	0	6		6	2,152
2012	April	32	0	2,178		2,178	12	0	18		18	2,196
2012	May	0	0	2,178		2,178	0	0	18		18	2,196
2012	June	147	0	2,325		2,325	3	0	21		21	2,346
2012	July	83	0	2,408		2,408	3	0	24		24	2,432
2012	August	1	0	2,409		2,409	1	0	25		25	2,434
2012	September	0	0	2,409		2,409	0	0	25		25	2,434
2012	October	0	0	2,409		2,409	0	0	25		25	2,434
2012	November	0	0	2,409		2,409	1	0	26		26	2,435
2012	December	0	0	2,409		2,409	0	0	26		26	2,435

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2010	January			0		0			0		0	0
2010	February			0		0			0		0	0
2010	March			0		0			0		0	0
2010	April			0		0			0		0	0
2010	May			0		0			0		0	0
2010	June	150,838		150,838		150,838			0		0	150,838
2010	July	24,537		175,374		175,374			0		0	175,374
2010	August	239,268		414,642		414,642			0		0	414,642
2010	September	252,884		667,526		667,526			0		0	667,526
2010	October	185,886		853,412		853,412			0		0	853,412
2010	November	185,334		1,038,746		1,038,746			0		0	1,038,746
2010	December	89,086		1,127,832		1,127,832			0		0	1,127,832
2011	January	192,781		1,320,614		1,320,614			0		0	1,320,614
2011	February	393,855		1,714,468		1,714,468			0		0	1,714,468
2011	March	177,141		1,891,610		1,891,610			0		0	1,891,610
2011	April	299,602		2,191,212		2,191,212			0		0	2,191,212
2011	May	263,858		2,455,070		2,455,070			0		0	2,455,070
2011	June	400,321		2,855,391		2,855,391			0		0	2,855,391
2011	July	71,699		2,927,091		2,927,091			0		0	2,927,091
2011	August	237,047		3,164,138		3,164,138			0		0	3,164,138
2011	September	556,936		3,721,073		3,721,073			0		0	3,721,073
2011	October	206,993		3,928,066		3,928,066			0		0	3,928,066
2011	November	426,549		4,354,615		4,354,615			0		0	4,354,615
2011	December	290,910		4,645,525		4,645,525	148,950		148,950		148,950	4,794,475
2012	January	474,459		5,119,984		5,119,984	5,961		154,911		154,911	5,274,895
2012	February	224,334		5,344,318		5,344,318	205		155,116		155,116	5,499,434
2012	March	111,343		5,455,661		5,455,661	266		155,382		155,382	5,611,043
2012	April	142,220		5,597,881		5,597,881	2,090		157,472		157,472	5,755,353
2012	May			5,597,881		5,597,881			157,472		157,472	5,755,353
2012	June	602,092		6,199,973		6,199,973	16,255		173,727		173,727	6,373,701
2012	July	413,252		6,613,226		6,613,226	1,703		175,430		175,430	6,788,656
2012	August	8,100		6,621,325		6,621,325	957		176,388		176,388	6,797,713
2012	September			6,621,325		6,621,325			176,388		176,388	6,797,713
2012	October			6,621,325		6,621,325			176,388		176,388	6,797,713
2012	November			6,621,325		6,621,325	6,714		183,102		183,102	6,804,427
2012	December			6,621,325		6,621,325			183,102		183,102	6,804,427

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2010	January			0		0			0		0	0			-			-
2010	February			0		0			0		0	0			-			-
2010	March			0		0			0		0	0			-			-
2010	April			0		0			0		0	0			-			-
2010	May			0		0			0		0	0			-			-
2010	June	493		493		493			0		0	493	12,570		12,570	41.11		41.11
2010	July	78		571		571			0		0	571	5,657		5,657	18.42		18.42
2010	August	740		1,311		1,311			0		0	1,311	4,936		4,936	15.60		15.60
2010	September	530		1,841		1,841			0		0	1,841	2,638		2,638	7.28		7.28
2010	October	484		2,325		2,325			0		0	2,325	2,753		2,753	7.50		7.50
2010	November	486		2,811		2,811			0		0	2,811	2,918		2,918	7.90		7.90
2010	December	238		3,049		3,049			0		0	3,049	2,827		2,827	7.64		7.64
2011	January	539		3,588		3,588			0		0	3,588	2,935		2,935	7.97		7.97
2011	February	826		4,414		4,414			0		0	4,414	1,703		1,703	4.38		4.38
2011	March	524		4,938		4,938			0		0	4,938	1,780		1,780	4.65		4.65
2011	April	760		5,698		5,698			0		0	5,698	1,983		1,983	5.16		5.16
2011	May	705		6,403		6,403			0		0	6,403	2,122		2,122	5.53		5.53
2011	June	1,157		7,559		7,559			0		0	7,559	2,321		2,321	6.15		6.15
2011	July	200		7,759		7,759			0		0	7,759	2,353		2,353	6.24		6.24
2011	August	605		8,364		8,364			0		0	8,364	2,316		2,316	6.12		6.12
2011	September	1,558		9,922		9,922			0		0	9,922	2,586		2,586	6.90		6.90
2011	October	623		10,545		10,545			0		0	10,545	2,605		2,605	6.99		6.99
2011	November	1,273		11,819		11,819			0		0	11,819	2,781		2,781	7.55		7.55
2011	December	783		12,602		12,602	682		682		682	13,284	2,723	148,950	2,809	7.39	681.68	7.78
2012	January	1,293		13,895		13,895	16		698		698	14,593	2,750	77,455	2,830	7.46	348.96	7.83
2012	February	608		14,503		14,503	1		698		698	15,202	2,560	38,779	2,629	6.95	174.62	7.27
2012	March	317		14,820		14,820	1		699		699	15,520	2,542	25,897	2,607	6.91	116.53	7.21
2012	April	399		15,220		15,220	6		705		705	15,925	2,570	8,748	2,621	6.99	39.16	7.25
2012	May			15,220		15,220			705		705	15,925	2,570	8,748	2,621	6.99	39.16	7.25
2012	June	1,596		16,816		16,816	60		765		765	17,581	2,667	8,273	2,717	7.23	36.43	7.49
2012	July	1,213		18,030		18,030	5		770		770	18,799	2,746	7,310	2,791	7.49	32.07	7.73
2012	August	22		18,052		18,052	3		772		772	18,824	2,749	7,056	2,793	7.49	30.89	7.73
2012	September			18,052		18,052			772		772	18,824	2,749	7,056	2,793	7.49	30.89	7.73
2012	October			18,052		18,052			772		772	18,824	2,749	7,056	2,793	7.49	30.89	7.73
2012	November			18,052		18,052	19		792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2012	December			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2013	January	0	0	2,409		2,409	0	0	26		26	2,435
2013	February	0	0	2,409		2,409	0	0	26		26	2,435
2013	March	0	0	2,409		2,409	0	0	26		26	2,435
2013	April	0	0	2,409		2,409	0	0	26		26	2,435
2013	May	0	0	2,409		2,409	0	0	26		26	2,435
2013	June	0	0	2,409		2,409	0	0	26		26	2,435
2013	July	0	0	2,409		2,409	0	0	26		26	2,435
2013	August	0	0	2,409		2,409	0	0	26		26	2,435
2013	September	0	0	2,409		2,409	0	0	26		26	2,435
2013	October	0	0	2,409		2,409	0	0	26		26	2,435
2013	November	0	0	2,409		2,409	0	0	26		26	2,435
2013	December	0	0	2,409		2,409	0	0	26		26	2,435
2014	January	0	0	2,409		2,409	0	0	26		26	2,435
2014	February	0	0	2,409		2,409	0	0	26		26	2,435
2014	March	0	0	2,409		2,409	0	0	26		26	2,435
2014	April	0	0	2,409		2,409	0	0	26		26	2,435
2014	May	0	0	2,409		2,409	4	0	30		30	2,439
2014	June	0	0	2,409		2,409	1	0	31		31	2,440
2014	July	0	0	2,409		2,409	1	0	32		32	2,441
2014	August	0	0	2,409		2,409	0	0	32		32	2,441
2014	September	0	0	2,409		2,409	2	0	34		34	2,443
2014	October	0	0	2,409		2,409	0	0	34		34	2,443
2014	November	0	0	2,409		2,409	11	0	45		45	2,454
2014	December	0	0	2,409		2,409	2	0	47		47	2,456
2015	January	0	0	2,409		2,409	0	0	47		47	2,456
2015	February	0	0	2,409		2,409	0	0	47		47	2,456
2015	March	0	0	2,409		2,409	0	0	47		47	2,456
2015	April	0	0	2,409		2,409	0	0	47		47	2,456
2015	May	0	0	2,409		2,409	0	0	47		47	2,456
2015	June	0	0	2,409		2,409	0	0	47		47	2,456
2015	July	0	0	2,409		2,409	0	0	47		47	2,456
2015	August	0	0	2,409		2,409	0	0	47		47	2,456
2015	September	0	0	2,409		2,409	0	0	47		47	2,456
2015	October	0	0	2,409		2,409	0	0	47		47	2,456
2015	November	0	0	2,409		2,409	0	0	47		47	2,456
2015	December	0	0	2,409		2,409	0	0	47		47	2,456

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2013	January			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	February			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	March			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	April			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	May			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	June			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	July			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	August			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	September			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	October			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	November			6,621,325		6,621,325			183,102		183,102	6,804,427
2013	December			6,621,325		6,621,325			183,102		183,102	6,804,427
2014	January			6,621,325		6,621,325			183,102		183,102	6,804,427
2014	February			6,621,325		6,621,325			183,102		183,102	6,804,427
2014	March			6,621,325		6,621,325			183,102		183,102	6,804,427
2014	April			6,621,325		6,621,325			183,102		183,102	6,804,427
2014	May			6,621,325		6,621,325	14,949		198,051		198,051	6,819,376
2014	June			6,621,325		6,621,325	12,922		210,973		210,973	6,832,298
2014	July			6,621,325		6,621,325	7,786		218,759		218,759	6,840,084
2014	August			6,621,325		6,621,325			218,759		218,759	6,840,084
2014	September			6,621,325		6,621,325	12,598		231,357		231,357	6,852,682
2014	October			6,621,325		6,621,325			231,357		231,357	6,852,682
2014	November			6,621,325		6,621,325	24,834		256,191		256,191	6,877,516
2014	December			6,621,325		6,621,325	1,549		257,740		257,740	6,879,065
2015	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	June			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	July			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	August			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	September			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	October			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	November			6,621,325		6,621,325			257,740		257,740	6,879,065
2015	December			6,621,325		6,621,325			257,740		257,740	6,879,065

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2013	January			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	February			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	March			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	April			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	May			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	June			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	July			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	August			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	September			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	October			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	November			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2013	December			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2014	January			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2014	February			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2014	March			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2014	April			18,052		18,052			792		792	18,843	2,749	7,042	2,794	7.49	30.45	7.74
2014	May			18,052		18,052	51		843		843	18,894	2,749	6,602	2,796	7.49	28.09	7.75
2014	June			18,052		18,052	66		909		909	18,960	2,749	6,806	2,800	7.49	29.31	7.77
2014	July			18,052		18,052	21		930		930	18,982	2,749	6,836	2,802	7.49	29.06	7.78
2014	August			18,052		18,052			930		930	18,982	2,749	6,836	2,802	7.49	29.06	7.78
2014	September			18,052		18,052	29		959		959	19,011	2,749	6,805	2,805	7.49	28.22	7.78
2014	October			18,052		18,052			959		959	19,011	2,749	6,805	2,805	7.49	28.22	7.78
2014	November			18,052		18,052	63		1,022		1,022	19,074	2,749	5,693	2,803	7.49	22.72	7.77
2014	December			18,052		18,052	4		1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	June			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	July			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	August			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	September			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	October			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	November			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2015	December			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2016	January	0	0	2,409		2,409	0	0	47		47	2,456
2016	February	0	0	2,409		2,409	0	0	47		47	2,456
2016	March	0	0	2,409		2,409	0	0	47		47	2,456
2016	April	0	0	2,409		2,409	0	0	47		47	2,456
2016	May	0	0	2,409		2,409	0	0	47		47	2,456
2016	June	0	0	2,409		2,409	0	0	47		47	2,456
2016	July	0	0	2,409		2,409	0	0	47		47	2,456
2016	August	0	0	2,409		2,409	0	0	47		47	2,456
2016	September	0	0	2,409		2,409	0	0	47		47	2,456
2016	October	0	0	2,409		2,409	0	0	47		47	2,456
2016	November	0	0	2,409		2,409	0	0	47		47	2,456
2016	December	0	0	2,409		2,409	0	0	47		47	2,456
2017	January	0	0	2,409		2,409	0	0	47		47	2,456
2017	February	0	0	2,409		2,409	0	0	47		47	2,456
2017	March	0	0	2,409		2,409	0	0	47		47	2,456
2017	April	0	0	2,409		2,409	0	0	47		47	2,456
2017	May	0	0	2,409		2,409	0	0	47		47	2,456
2017	June	0	0	2,409		2,409	0	0	47		47	2,456
2017	July	0	0	2,409		2,409	0	0	47		47	2,456
2017	August	0	0	2,409		2,409	0	0	47		47	2,456
2017	September	0	0	2,409		2,409	0	0	47		47	2,456
2017	October	0	0	2,409		2,409	0	0	47		47	2,456
2017	November	0	0	2,409		2,409	0	0	47		47	2,456
2017	December	0	0	2,409		2,409	0	0	47		47	2,456
2018	January	0	0	2,409		2,409	0	0	47		47	2,456
2018	February	0	0	2,409		2,409	0	0	47		47	2,456
2018	March	0	0	2,409		2,409	0	0	47		47	2,456
2018	April	0	0	2,409		2,409	0	0	47		47	2,456
2018	May	0	0	2,409		2,409	0	0	47		47	2,456
2018	June	0	0	2,409		2,409	0	0	47		47	2,456
2018	July	0	0	2,409		2,409	0	0	47		47	2,456
2018	August	0	0	2,409		2,409	0	0	47		47	2,456
2018	September	0	0	2,409		2,409	0	0	47		47	2,456
2018	October	0	0	2,409		2,409	0	0	47		47	2,456
2018	November	0	0	2,409		2,409	0	0	47		47	2,456
2018	December	0	0	2,409		2,409	0	0	47		47	2,456

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2016	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	June			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	July			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	August			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	September			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	October			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	November			6,621,325		6,621,325			257,740		257,740	6,879,065
2016	December			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	June			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	July			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	August			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	September			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	October			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	November			6,621,325		6,621,325			257,740		257,740	6,879,065
2017	December			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	June			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	July			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	August			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	September			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	October			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	November			6,621,325		6,621,325			257,740		257,740	6,879,065
2018	December			6,621,325		6,621,325			257,740		257,740	6,879,065

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2016	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	June			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	July			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	August			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	September			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	October			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	November			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2016	December			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	June			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	July			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	August			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	September			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	October			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	November			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2017	December			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	June			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	July			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	August			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	September			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	October			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	November			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2018	December			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2019	January	0	0	2,409		2,409	0	0	47		47	2,456
2019	February	0	0	2,409		2,409	0	0	47		47	2,456
2019	March	0	0	2,409		2,409	0	0	47		47	2,456
2019	April	0	0	2,409		2,409	0	0	47		47	2,456
2019	May	0	0	2,409		2,409	0	0	47		47	2,456
2019	June	0	0	2,409		2,409	0	0	47		47	2,456
2019	July	0	0	2,409		2,409	0	0	47		47	2,456
2019	August	0	0	2,409		2,409	0	0	47		47	2,456
2019	September	0	0	2,409		2,409	0	0	47		47	2,456
2019	October	0	0	2,409		2,409	0	0	47		47	2,456
2019	November	0	0	2,409		2,409	0	0	47		47	2,456
2019	December	0	0	2,409		2,409	0	0	47		47	2,456
2020	January	0	0	2,409		2,409	0	0	47		47	2,456
2020	February	0	0	2,409		2,409	0	0	47		47	2,456
2020	March	0	0	2,409		2,409	0	0	47		47	2,456
2020	April	0	0	2,409		2,409	0	0	47		47	2,456
2020	May	0	0	2,409		2,409	0	0	47		47	2,456
2020	June	0	-12	2,397		2,397	0	0	47		47	2,444
2020	July	0	-19	2,378		2,378	0	0	47		47	2,425
2020	August	0	-53	2,325		2,325	0	0	47		47	2,372
2020	September	0	-169	2,156		2,156	0	0	47		47	2,203
2020	October	0	-57	2,099		2,099	0	0	47		47	2,146
2020	November	0	-46	2,053		2,053	0	0	47		47	2,100
2020	December	0	-43	2,010		2,010	0	0	47		47	2,057

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	June			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	July			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	August			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	September			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	October			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	November			6,621,325		6,621,325			257,740		257,740	6,879,065
2019	December			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	January			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	February			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	March			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	April			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	May			6,621,325		6,621,325			257,740		257,740	6,879,065
2020	June		-150,838	6,470,487		6,470,487			257,740		257,740	6,728,227
2020	July		-24,537	6,445,951		6,445,951			257,740		257,740	6,703,690
2020	August		-239,268	6,206,683		6,206,683			257,740		257,740	6,464,423
2020	September		-252,884	5,953,799		5,953,799			257,740		257,740	6,211,539
2020	October		-185,886	5,767,913		5,767,913			257,740		257,740	6,025,653
2020	November		-185,334	5,582,579		5,582,579			257,740		257,740	5,840,319
2020	December		-89,086	5,493,493		5,493,493			257,740		257,740	5,751,232

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	June			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	July			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	August			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	September			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	October			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	November			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2019	December			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	January			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	February			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	March			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	April			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	May			18,052		18,052			1,027		1,027	19,078	2,749	5,484	2,801	7.49	21.85	7.77
2020	June		-493	17,558		17,558			1,027		1,027	18,585	2,699	5,484	2,753	7.33	21.85	7.60
2020	July		-78	17,481		17,481			1,027		1,027	18,507	2,711	5,484	2,764	7.35	21.85	7.63
2020	August		-740	16,741		16,741			1,027		1,027	17,768	2,670	5,484	2,725	7.20	21.85	7.49
2020	September		-530	16,211		16,211			1,027		1,027	17,238	2,762	5,484	2,820	7.52	21.85	7.82
2020	October		-484	15,727		15,727			1,027		1,027	16,753	2,748	5,484	2,808	7.49	21.85	7.81
2020	November		-486	15,241		15,241			1,027		1,027	16,268	2,719	5,484	2,781	7.42	21.85	7.75
2020	December		-238	15,003		15,003			1,027		1,027	16,030	2,733	5,484	2,796	7.46	21.85	7.79

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			399		399			-		-	399
2011			1,307		1,307			1		1	1,308
2012			703		703			25		25	728
2013			-		-			-		-	-
2014			-		-			21		21	21
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-399		-399			-		-	-399

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			399		399			-		-	399
2011			1,307		1,307			1		1	1,308
2012			703		703			25		25	728
2013			-		-			-		-	-
2014			-		-			21		21	21
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-399		-399			-		-	-399

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2010			399					-			399
2011			1,706					1			1,707
2012			2,409					26			2,435
2013			2,010					26			2,036
2014			703					46			749
2015			-					21			21
2016			-					21			21
2017			-					-			-
2018			-					-			-
2019			-					-			-
2020			-399					-			-399

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			4,428,371		4,428,371			-		-	4,428,371
2011			21,634,884		21,634,884			148,950		148,950	21,783,834
2012			17,289,245		17,289,245			237,476		237,476	17,526,721
2013			-		-			-		-	-
2014			-		-			358,372		358,372	358,372
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-4,428,371		-4,428,371			-		-	-4,428,371

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			13,533,989		13,533,989			-		-	13,533,989
2011			42,212,316		42,212,316			1,787,400		1,787,400	43,999,717
2012			23,709,597		23,709,597			409,819		409,819	24,119,416
2013			-		-			-		-	-
2014			-		-			895,657		895,657	895,657
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-13,533,989		-13,533,989			-		-	-13,533,989

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2010			4,428,371					-			4,428,371
2011			35,168,873					148,950			35,317,823
2012			73,035,550					2,024,876			75,060,426
2013			65,921,914					2,197,219			68,119,133
2014			23,709,597					768,191			24,477,788
2015			-					895,657			895,657
2016			-					895,657			895,657
2017			-					-			-
2018			-					-			-
2019			-					-			-
2020			-4,428,371					-			-4,428,371

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			3,049		3,049			-		-	3,049	11,099	-	11,099	7.64	-	7.64
2011			9,553		9,553			682		682	10,235	16,553	148,950	16,654	7.31	681.68	7.82
2012			5,450		5,450			110		110	5,560	24,594	9,499	24,075	7.75	4.40	7.64
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			235		235	235	-	17,065	17,065	-	11.20	11.20
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-3,049		-3,049			-		-	-3,049	11,099	-	11,099	7.64	-	7.64

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			3,049		3,049			-		-	3,049	33,920	-	33,920	7.64	-	7.64
2011			9,553		9,553			682		682	10,235	32,297	1,787,400	33,639	7.31	681.68	7.82
2012			5,450		5,450			110		110	5,560	33,726	16,393	33,131	7.75	4.40	7.64
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			235		235	235	-	42,650	42,650	-	11.20	11.20
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-3,049		-3,049			-		-	-3,049	33,920	-	33,920	7.64	-	7.64

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2010			3,049					-			3,049		-			-	
2011			12,602					682			13,284		148,950			681.68	
2012			18,052					792			18,843		77,880			30.45	
2013			15,003					792			15,795		84,508			30.45	
2014			5,450					345			5,795		16,700			7.50	
2015			-					235			235		42,650			11.20	
2016			-					235			235		42,650			11.20	
2017			-					-			-		-			-	
2018			-					-			-		-			-	
2019			-					-			-		-			-	
2020			-3,049					-			-3,049		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			399		399			-		-	399
2011			1,706		1,706			1		1	1,707
2012			2,409		2,409			26		26	2,435
2013			2,409		2,409			26		26	2,435
2014			2,409		2,409			47		47	2,456
2015			2,409		2,409			47		47	2,456
2016			2,409		2,409			47		47	2,456
2017			2,409		2,409			47		47	2,456
2018			2,409		2,409			47		47	2,456
2019			2,409		2,409			47		47	2,456
2020			2,010		2,010			47		47	2,057

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2010			399					-			399
2011			1,706					1			1,707
2012			2,409					26			2,435
2013			2,409					26			2,435
2014			2,409					47			2,456
2015			2,409					47			2,456
2016			2,409					47			2,456
2017			2,409					47			2,456
2018			2,409					47			2,456
2019			2,409					47			2,456
2020			2,409					47			2,456
2021			2,409					47			2,456
2022			2,409					47			2,456
2023			2,409					47			2,456
2024			2,409					47			2,456
2025			2,409					47			2,456

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			4,428,371		4,428,371			0		0	4,428,371
2011			35,168,873		35,168,873			148,950		148,950	35,317,823
2012			73,035,550		73,035,550			2,024,876		2,024,876	75,060,426
2013			79,455,902		79,455,902			2,197,219		2,197,219	81,653,121
2014			79,455,902		79,455,902			2,555,591		2,555,591	82,011,493
2015			79,455,902		79,455,902			3,092,876		3,092,876	82,548,778
2016			79,455,902		79,455,902			3,092,876		3,092,876	82,548,778
2017			79,455,902		79,455,902			3,092,876		3,092,876	82,548,778
2018			79,455,902		79,455,902			3,092,876		3,092,876	82,548,778
2019			79,455,902		79,455,902			3,092,876		3,092,876	82,548,778
2020			75,027,532		75,027,532			3,092,876		3,092,876	78,120,407

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2010			4,428,371					-			4,428,371
2011			39,597,243					148,950			39,746,193
2012			112,632,793					2,173,826			114,806,619
2013			192,088,696					4,371,045			196,459,741
2014			271,544,598					6,926,637			278,471,234
2015			351,000,500					10,019,512			361,020,012
2016			430,456,402					13,112,388			443,568,790
2017			509,912,305					16,205,264			526,117,568
2018			589,368,207					19,298,139			608,666,346
2019			668,824,109					22,391,015			691,215,124
2020			743,851,641					25,483,891			769,335,532
2021			788,138,671					28,427,816			816,566,487
2022			794,559,023					29,495,816			824,054,839
2023			794,559,023					30,391,472			824,950,495
2024			794,559,023					30,928,757			825,487,780
2025			794,559,023					30,928,757			825,487,780

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			3,049		3,049			-		-	3,049	11,099	-	11,099	7.64	-	7.64
2011			12,602		12,602			682		682	13,284	20,615	148,950	20,690	7.39	681.68	7.78
2012			18,052		18,052			792		792	18,843	30,318	77,880	30,826	7.49	30.45	7.74
2013			18,052		18,052			792		792	18,843	32,983	84,508	33,533	7.49	30.45	7.74
2014			18,052		18,052			1,027		1,027	19,078	32,983	54,374	33,392	7.49	21.85	7.77
2015			18,052		18,052			1,027		1,027	19,078	32,983	65,806	33,611	7.49	21.85	7.77
2016			18,052		18,052			1,027		1,027	19,078	32,983	65,806	33,611	7.49	21.85	7.77
2017			18,052		18,052			1,027		1,027	19,078	32,983	65,806	33,611	7.49	21.85	7.77
2018			18,052		18,052			1,027		1,027	19,078	32,983	65,806	33,611	7.49	21.85	7.77
2019			18,052		18,052			1,027		1,027	19,078	32,983	65,806	33,611	7.49	21.85	7.77
2020			15,003		15,003			1,027		1,027	16,030	37,327	65,806	37,978	7.46	21.85	7.79

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2010			3,049					-			3,049	11,099	-	11,099	7.64	-	7.64
2011			12,602					682			13,284	23,211	148,950	23,284	7.39	681.68	7.78
2012			18,052					792			18,843	46,755	83,609	47,149	7.49	30.45	7.74
2013			18,052					792			18,843	79,738	168,117	80,682	7.49	30.45	7.74
2014			18,052					1,027			19,078	112,721	147,375	113,384	7.49	21.85	7.77
2015			18,052					1,027			19,078	145,704	213,181	146,995	7.49	21.85	7.77
2016			18,052					1,027			19,078	178,687	278,987	180,606	7.49	21.85	7.77
2017			18,052					1,027			19,078	211,670	344,793	214,217	7.49	21.85	7.77
2018			18,052					1,027			19,078	244,653	410,599	247,828	7.49	21.85	7.77
2019			18,052					1,027			19,078	277,636	476,405	281,439	7.49	21.85	7.77
2020			18,052					1,027			19,078	308,780	542,210	313,247	7.49	21.85	7.77
2021			18,052					1,027			19,078	327,164	604,847	332,478	7.49	21.85	7.77
2022			18,052					1,027			19,078	329,829	627,571	335,527	7.49	21.85	7.77
2023			18,052					1,027			19,078	329,829	646,627	335,892	7.49	21.85	7.77
2024			18,052					1,027			19,078	329,829	658,059	336,111	7.49	21.85	7.77
2025			18,052					1,027			19,078	329,829	658,059	336,111	7.49	21.85	7.77

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Program:	**Commercial HVAC Upgrade**
DSM Phase:	**1**
Type:	
Program Life in years	
Starting from 2010:	**15.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2010	January	0	0	0		0	0	0	0		0	0
2010	February	0	0	0		0	0	0	0		0	0
2010	March	0	0	0		0	0	0	0		0	0
2010	April	0	0	0		0	0	0	0		0	0
2010	May	0	0	0		0	0	0	0		0	0
2010	June	0	0	0		0	0	0	0		0	0
2010	July	3	0	3		3	0	0	0		0	3
2010	August	1	0	4		4	0	0	0		0	4
2010	September	6	0	10		10	0	0	0		0	10
2010	October	4	0	14		14	0	0	0		0	14
2010	November	8	0	22		22	0	0	0		0	22
2010	December	6	0	28		28	0	0	0		0	28
2011	January	3	0	31		31	0	0	0		0	31
2011	February	2	0	33		33	0	0	0		0	33
2011	March	9	0	42		42	0	0	0		0	42
2011	April	1	0	43		43	0	0	0		0	43
2011	May	4	0	47		47	0	0	0		0	47
2011	June	8	0	55		55	0	0	0		0	55
2011	July	4	0	59		59	0	0	0		0	59
2011	August	8	0	67		67	0	0	0		0	67
2011	September	5	0	72		72	0	0	0		0	72
2011	October	4	0	76		76	0	0	0		0	76
2011	November	11	0	87		87	0	0	0		0	87
2011	December	0	0	87		87	0	0	0		0	87
2012	January	6	0	93		93	2	0	2		2	95
2012	February	0	0	93		93	1	0	3		3	96
2012	March	3	0	96		96	0	0	3		3	99
2012	April	3	0	99		99	0	0	3		3	102
2012	May	0	0	99		99	0	0	3		3	102
2012	June	15	0	114		114	0	0	3		3	117
2012	July	9	0	123		123	0	0	3		3	126
2012	August	0	0	123		123	0	0	3		3	126
2012	September	0	0	123		123	0	0	3		3	126
2012	October	0	0	123		123	1	0	4		4	127
2012	November	0	0	123		123	0	0	4		4	127
2012	December	0	0	123		123	0	0	4		4	127

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C.21 Commercial HVAC Upgrade (DSM I) - 2010-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2010	January			0		0			0		0	0
2010	February			0		0			0		0	0
2010	March			0		0			0		0	0
2010	April			0		0			0		0	0
2010	May			0		0			0		0	0
2010	June			0		0			0		0	0
2010	July	23,324		23,324		23,324			0		0	23,324
2010	August	672		23,996		23,996			0		0	23,996
2010	September	57,673		81,669		81,669			0		0	81,669
2010	October	6,140		87,808		87,808			0		0	87,808
2010	November	55,359		143,167		143,167			0		0	143,167
2010	December	33,918		177,085		177,085			0		0	177,085
2011	January	25,159		202,244		202,244			0		0	202,244
2011	February	14,217		216,462		216,462			0		0	216,462
2011	March	230,845		447,306		447,306			0		0	447,306
2011	April	44,391		491,697		491,697			0		0	491,697
2011	May	15,660		507,357		507,357			0		0	507,357
2011	June	152,501		659,858		659,858			0		0	659,858
2011	July	40,644		700,502		700,502			0		0	700,502
2011	August	68,330		768,832		768,832			0		0	768,832
2011	September	9,561		778,394		778,394			0		0	778,394
2011	October	31,197		809,591		809,591			0		0	809,591
2011	November	811,692		1,621,283		1,621,283			0		0	1,621,283
2011	December			1,621,283		1,621,283			0		0	1,621,283
2012	January	29,012		1,650,295		1,650,295	8,299		8,299		8,299	1,658,594
2012	February			1,650,295		1,650,295	3,823		12,121		12,121	1,662,417
2012	March	7,077		1,657,372		1,657,372			12,121		12,121	1,669,494
2012	April	39,474		1,696,846		1,696,846			12,121		12,121	1,708,967
2012	May			1,696,846		1,696,846			12,121		12,121	1,708,967
2012	June	162,252		1,859,098		1,859,098			12,121		12,121	1,871,219
2012	July	136,279		1,995,377		1,995,377			12,121		12,121	2,007,498
2012	August			1,995,377		1,995,377			12,121		12,121	2,007,498
2012	September			1,995,377		1,995,377			12,121		12,121	2,007,498
2012	October			1,995,377		1,995,377	20,225		32,346		32,346	2,027,723
2012	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2012	December			1,995,377		1,995,377			32,346		32,346	2,027,723

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C.21 Commercial HVAC Upgrade (DSM I) - 2010-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2010	January			0		0			0		0	0			-			-
2010	February			0		0			0		0	0			-			-
2010	March			0		0			0		0	0			-			-
2010	April			0		0			0		0	0			-			-
2010	May			0		0			0		0	0			-			-
2010	June			0		0			0		0	0			-			-
2010	July	26		26		26			0		0	26	7,775		7,775	8.77		8.77
2010	August	3		29		29			0		0	29	5,999		5,999	7.29		7.29
2010	September	135		164		164			0		0	164	8,167		8,167	16.42		16.42
2010	October	6		171		171			0		0	171	6,272		6,272	12.19		12.19
2010	November	51		222		222			0		0	222	6,508		6,508	10.09		10.09
2010	December	59		281		281			0		0	281	6,324		6,324	10.03		10.03
2011	January	39		320		320			0		0	320	6,524		6,524	10.33		10.33
2011	February	8		328		328			0		0	328	6,559		6,559	9.95		9.95
2011	March	133		461		461			0		0	461	10,650		10,650	10.99		10.99
2011	April	26		487		487			0		0	487	11,435		11,435	11.34		11.34
2011	May	34		521		521			0		0	521	10,795		10,795	11.09		11.09
2011	June	576		1,098		1,098			0		0	1,098	11,997		11,997	19.96		19.96
2011	July	101		1,199		1,199			0		0	1,199	11,873		11,873	20.32		20.32
2011	August	112		1,311		1,311			0		0	1,311	11,475		11,475	19.57		19.57
2011	September	51		1,362		1,362			0		0	1,362	10,811		10,811	18.91		18.91
2011	October	29		1,391		1,391			0		0	1,391	10,653		10,653	18.30		18.30
2011	November	519		1,910		1,910			0		0	1,910	18,635		18,635	21.95		21.95
2011	December			1,910		1,910			0		0	1,910	18,635		18,635	21.95		21.95
2012	January	56		1,965		1,965	42		42		42	2,007	17,745	4,149	17,459	21.13	21.17	21.13
2012	February			1,965		1,965	18		61		61	2,026	17,745	4,040	17,317	21.13	20.25	21.10
2012	March	7		1,972		1,972			61		61	2,033	17,264	4,040	16,864	20.54	20.25	20.54
2012	April	40		2,013		2,013			61		61	2,073	17,140	4,040	16,755	20.33	20.25	20.33
2012	May			2,013		2,013			61		61	2,073	17,140	4,040	16,755	20.33	20.25	20.33
2012	June	261		2,273		2,273			61		61	2,334	16,308	4,040	15,993	19.94	20.25	19.95
2012	July	204		2,477		2,477			61		61	2,538	16,223	4,040	15,933	20.14	20.25	20.14
2012	August			2,477		2,477			61		61	2,538	16,223	4,040	15,933	20.14	20.25	20.14
2012	September			2,477		2,477			61		61	2,538	16,223	4,040	15,933	20.14	20.25	20.14
2012	October			2,477		2,477	13		73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2012	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2012	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2013	January	0	0	123		123	0	0	4		4	127
2013	February	0	0	123		123	0	0	4		4	127
2013	March	0	0	123		123	0	0	4		4	127
2013	April	0	0	123		123	0	0	4		4	127
2013	May	0	0	123		123	0	0	4		4	127
2013	June	0	0	123		123	0	0	4		4	127
2013	July	0	0	123		123	0	0	4		4	127
2013	August	0	0	123		123	0	0	4		4	127
2013	September	0	0	123		123	0	0	4		4	127
2013	October	0	0	123		123	0	0	4		4	127
2013	November	0	0	123		123	0	0	4		4	127
2013	December	0	0	123		123	0	0	4		4	127
2014	January	0	0	123		123	0	0	4		4	127
2014	February	0	0	123		123	0	0	4		4	127
2014	March	0	0	123		123	0	0	4		4	127
2014	April	0	0	123		123	0	0	4		4	127
2014	May	0	0	123		123	0	0	4		4	127
2014	June	0	0	123		123	0	0	4		4	127
2014	July	0	0	123		123	0	0	4		4	127
2014	August	0	0	123		123	0	0	4		4	127
2014	September	0	0	123		123	0	0	4		4	127
2014	October	0	0	123		123	0	0	4		4	127
2014	November	0	0	123		123	0	0	4		4	127
2014	December	0	0	123		123	0	0	4		4	127
2015	January	0	0	123		123	0	0	4		4	127
2015	February	0	0	123		123	0	0	4		4	127
2015	March	0	0	123		123	0	0	4		4	127
2015	April	0	0	123		123	0	0	4		4	127
2015	May	0	0	123		123	0	0	4		4	127
2015	June	0	0	123		123	0	0	4		4	127
2015	July	0	0	123		123	0	0	4		4	127
2015	August	0	0	123		123	0	0	4		4	127
2015	September	0	0	123		123	0	0	4		4	127
2015	October	0	0	123		123	0	0	4		4	127
2015	November	0	0	123		123	0	0	4		4	127
2015	December	0	0	123		123	0	0	4		4	127

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C.21 Commercial HVAC Upgrade (DSM I) - 2010-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2013	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2013	December			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2014	December			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2015	December			1,995,377		1,995,377			32,346		32,346	2,027,723

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2013	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2013	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2014	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2015	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2016	January	0	0	123		123	0	0	4		4	127
2016	February	0	0	123		123	0	0	4		4	127
2016	March	0	0	123		123	0	0	4		4	127
2016	April	0	0	123		123	0	0	4		4	127
2016	May	0	0	123		123	0	0	4		4	127
2016	June	0	0	123		123	0	0	4		4	127
2016	July	0	0	123		123	0	0	4		4	127
2016	August	0	0	123		123	0	0	4		4	127
2016	September	0	0	123		123	0	0	4		4	127
2016	October	0	0	123		123	0	0	4		4	127
2016	November	0	0	123		123	0	0	4		4	127
2016	December	0	0	123		123	0	0	4		4	127
2017	January	0	0	123		123	0	0	4		4	127
2017	February	0	0	123		123	0	0	4		4	127
2017	March	0	0	123		123	0	0	4		4	127
2017	April	0	0	123		123	0	0	4		4	127
2017	May	0	0	123		123	0	0	4		4	127
2017	June	0	0	123		123	0	0	4		4	127
2017	July	0	0	123		123	0	0	4		4	127
2017	August	0	0	123		123	0	0	4		4	127
2017	September	0	0	123		123	0	0	4		4	127
2017	October	0	0	123		123	0	0	4		4	127
2017	November	0	0	123		123	0	0	4		4	127
2017	December	0	0	123		123	0	0	4		4	127
2018	January	0	0	123		123	0	0	4		4	127
2018	February	0	0	123		123	0	0	4		4	127
2018	March	0	0	123		123	0	0	4		4	127
2018	April	0	0	123		123	0	0	4		4	127
2018	May	0	0	123		123	0	0	4		4	127
2018	June	0	0	123		123	0	0	4		4	127
2018	July	0	0	123		123	0	0	4		4	127
2018	August	0	0	123		123	0	0	4		4	127
2018	September	0	0	123		123	0	0	4		4	127
2018	October	0	0	123		123	0	0	4		4	127
2018	November	0	0	123		123	0	0	4		4	127
2018	December	0	0	123		123	0	0	4		4	127

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C.21 Commercial HVAC Upgrade (DSM I) - 2010-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2016	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2016	December			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2017	December			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2018	December			1,995,377		1,995,377			32,346		32,346	2,027,723

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2016	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2016	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2017	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2018	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2019	January	0	0	123		123	0	0	4		4	127
2019	February	0	0	123		123	0	0	4		4	127
2019	March	0	0	123		123	0	0	4		4	127
2019	April	0	0	123		123	0	0	4		4	127
2019	May	0	0	123		123	0	0	4		4	127
2019	June	0	0	123		123	0	0	4		4	127
2019	July	0	0	123		123	0	0	4		4	127
2019	August	0	0	123		123	0	0	4		4	127
2019	September	0	0	123		123	0	0	4		4	127
2019	October	0	0	123		123	0	0	4		4	127
2019	November	0	0	123		123	0	0	4		4	127
2019	December	0	0	123		123	0	0	4		4	127
2020	January	0	0	123		123	0	0	4		4	127
2020	February	0	0	123		123	0	0	4		4	127
2020	March	0	0	123		123	0	0	4		4	127
2020	April	0	0	123		123	0	0	4		4	127
2020	May	0	0	123		123	0	0	4		4	127
2020	June	0	0	123		123	0	0	4		4	127
2020	July	0	0	123		123	0	0	4		4	127
2020	August	0	0	123		123	0	0	4		4	127
2020	September	0	0	123		123	0	0	4		4	127
2020	October	0	0	123		123	0	0	4		4	127
2020	November	0	0	123		123	0	0	4		4	127
2020	December	0	0	123		123	0	0	4		4	127

Table 2. EM&V Data Incremental by Vintage Year											
	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			28		28			-		-	28
2011			59		59			-		-	59
2012			36		36			4		4	40
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year											
	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			28		28			-		-	28
2011			59		59			-		-	59
2012			36		36			4		4	40
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2019	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2019	December			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	January			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	February			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	March			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	April			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	May			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	June			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	July			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	August			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	September			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	October			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	November			1,995,377		1,995,377			32,346		32,346	2,027,723
2020	December			1,995,377		1,995,377			32,346		32,346	2,027,723

Table 2. EM&V Data Incremental by Vintage Year											
	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			537,049		537,049			-		-	537,049
2011			6,699,784		6,699,784			-		-	6,699,784
2012			2,727,619		2,727,619			202,307		202,307	2,929,926
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year											
	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			2,125,025		2,125,025			-		-	2,125,025
2011			17,330,371		17,330,371			-		-	17,330,371
2012			4,489,128		4,489,128			388,155		388,155	4,877,282
2013			-		-			-		-	-
2014			-		-			-		-	-
2015			-		-			-		-	-
2016			-		-			-		-	-
2017			-		-			-		-	-
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2019	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2019	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	January			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	February			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	March			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	April			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	May			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	June			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	July			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	August			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	September			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	October			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	November			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08
2020	December			2,477		2,477			73		73	2,550	16,223	8,087	15,966	20.14	18.32	20.08

Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			281		281			-		-	281	19,180	-	19,180	10.03	-	10.03
2011			1,629		1,629			-		-	1,629	113,556	-	113,556	27.61	-	27.61
2012			568		568			73		73	641	75,767	50,577	73,248	15.77	18.32	16.02
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			-		-	-	-	-	-	-	-	-
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			281		281			-		-	281	75,894	-	75,894	10.03	-	10.03
2011			1,629		1,629			-		-	1,629	293,735	-	293,735	27.61	-	27.61
2012			568		568			73		73	641	124,698	97,039	121,932	15.77	18.32	16.02
2013			-		-			-		-	-	-	-	-	-	-	-
2014			-		-			-		-	-	-	-	-	-	-	-
2015			-		-			-		-	-	-	-	-	-	-	-
2016			-		-			-		-	-	-	-	-	-	-	-
2017			-		-			-		-	-	-	-	-	-	-	-
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2010			28					-			28
2011			87					-			87
2012			123					4			127
2013			95					4			99
2014			36					4			40
2015			-					-			-
2016			-					-			-
2017			-					-			-
2018			-					-			-
2019			-					-			-
2020			-					-			-

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			28		28			-		-	28
2011			87		87			-		-	87
2012			123		123			4		4	127
2013			123		123			4		4	127
2014			123		123			4		4	127
2015			123		123			4		4	127
2016			123		123			4		4	127
2017			123		123			4		4	127
2018			123		123			4		4	127
2019			123		123			4		4	127
2020			123		123			4		4	127

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2010			28					-			28
2011			87					-			87
2012			123					4			127
2013			123					4			127
2014			123					4			127
2015			123					4			127
2016			123					4			127
2017			123					4			127
2018			123					4			127
2019			123					4			127
2020			123					4			127
2021			123					4			127
2022			123					4			127
2023			123					4			127
2024			123					4			127
2025			123					4			127
2026			123					4			127
2027			123					4			127
2028			123					4			127

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2010			537,049					-			537,049
2011			8,824,810					-			8,824,810
2012			22,183,015					202,307			22,385,323
2013			21,819,499					388,155			22,207,654
2014			4,489,128					388,155			4,877,282
2015			-					-			-
2016			-					-			-
2017			-					-			-
2018			-					-			-
2019			-					-			-
2020			-					-			-

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2010			537,049		537,049			0		0	537,049
2011			8,824,810		8,824,810			0		0	8,824,810
2012			22,183,015		22,183,015			202,307		202,307	22,385,323
2013			23,944,524		23,944,524			388,155		388,155	24,332,679
2014			23,944,524		23,944,524			388,155		388,155	24,332,679
2015			23,944,524		23,944,524			388,155		388,155	24,332,679
2016			23,944,524		23,944,524			388,155		388,155	24,332,679
2017			23,944,524		23,944,524			388,155		388,155	24,332,679
2018			23,944,524		23,944,524			388,155		388,155	24,332,679
2019			23,944,524		23,944,524			388,155		388,155	24,332,679
2020			23,944,524		23,944,524			388,155		388,155	24,332,679

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2010			537,049					-			537,049
2011			9,361,858					-			9,361,858
2012			31,544,874					202,307			31,747,181
2013			55,489,398					590,462			56,079,860
2014			79,433,922					978,617			80,412,539
2015			103,378,447					1,366,771			104,745,218
2016			127,322,971					1,754,926			129,077,897
2017			151,267,495					2,143,081			153,410,576
2018			175,212,020					2,531,235			177,743,255
2019			199,156,544					2,919,390			202,075,934
2020			223,101,068					3,307,544			226,408,613
2021			247,045,593					3,695,699			250,741,292
2022			270,990,117					4,083,854			275,073,971
2023			294,934,641					4,472,008			299,406,650
2024			318,879,165					4,860,163			323,739,328
2025			342,286,641					5,248,318			347,534,959
2026			357,406,356					5,636,472			363,042,828
2027			359,167,865					5,822,319			364,990,184
2028			359,167,865					5,822,319			364,990,184

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2010			281					-			281		-			-	
2011			1,910					-			1,910		-			-	
2012			2,477					73			2,550		50,577			18.32	
2013			2,196					73			2,270		97,039			18.32	
2014			568					73			641		97,039			18.32	
2015			-					-			-		-			-	
2016			-					-			-		-			-	
2017			-					-			-		-			-	
2018			-					-			-		-			-	
2019			-					-			-		-			-	
2020			-					-			-		-			-	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2010			281		281			-		-	281	19,180	-	19,180	10.03	-	10.03
2011			1,910		1,910			-		-	1,910	101,435	-	101,435	21.95	-	21.95
2012			2,477		2,477			73		73	2,550	180,350	50,577	176,262	20.14	18.32	20.08
2013			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2014			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2015			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2016			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2017			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2018			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2019			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08
2020			2,477		2,477			73		73	2,550	194,671	97,039	191,596	20.14	18.32	20.08

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2010			281					-			281	19,180	-	19,180	10.03	-	10.03
2011			1,910					-			1,910	107,608	-	107,608	21.95	-	21.95
2012			2,477					73			2,550	256,462	50,577	249,978	20.14	18.32	20.08
2013			2,477					73			2,550	451,133	147,616	441,574	20.14	18.32	20.08
2014			2,477					73			2,550	645,804	244,654	633,170	20.14	18.32	20.08
2015			2,477					73			2,550	840,475	341,693	824,765	20.14	18.32	20.08
2016			2,477					73			2,550	1,035,146	438,731	1,016,361	20.14	18.32	20.08
2017			2,477					73			2,550	1,229,817	535,770	1,207,957	20.14	18.32	20.08
2018			2,477					73			2,550	1,424,488	632,809	1,399,553	20.14	18.32	20.08
2019			2,477					73			2,550	1,619,159	729,847	1,591,149	20.14	18.32	20.08
2020			2,477					73			2,550	1,813,830	826,886	1,782,745	20.14	18.32	20.08
2021			2,477					73			2,550	2,008,501	923,925	1,974,341	20.14	18.32	20.08
2022			2,477					73			2,550	2,203,172	1,020,963	2,165,937	20.14	18.32	20.08
2023			2,477					73			2,550	2,397,843	1,118,002	2,357,533	20.14	18.32	20.08
2024			2,477					73			2,550	2,592,514	1,215,041	2,549,129	20.14	18.32	20.08
2025			2,477					73			2,550	2,782,818	1,312,079	2,736,496	20.14	18.32	20.08
2026			2,477					73			2,550	2,905,743	1,409,118	2,858,605	20.14	18.32	20.08
2027			2,477					73			2,550	2,920,064	1,455,580	2,873,938	20.14	18.32	20.08
2028			2,477					73			2,550	2,920,064	1,455,580	2,873,938	20.14	18.32	20.08

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Program:	**Non-residential Duct Testing & Sealing**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**25.0**

Table 1		**Participation**										
		Program Participants										
		VA					**NC**					**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	0	0	0		0	0	0	0		0	0
2012	November	1	0	1		1	0	0	0		0	1
2012	December	10	0	11		11	0	0	0		0	11
2013	January	2	0	13		13	0	0	0		0	13
2013	February	0	0	13		13	0	0	0		0	13
2013	March	8	0	21		21	0	0	0		0	21
2013	April	17	0	38		38	0	0	0		0	38
2013	May	12	0	50		50	0	0	0		0	50
2013	June	4	0	54		54	0	0	0		0	54
2013	July	27	0	81		81	0	0	0		0	81
2013	August	24	0	105		105	0	0	0		0	105
2013	September	67	0	172		172	0	0	0		0	172
2013	October	63	0	235		235	0	0	0		0	235
2013	November	30	0	265		265	0	0	0		0	265
2013	December	103	0	368		368	0	0	0		0	368
2014	January	22	0	390		390	0	0	0		0	390
2014	February	106	0	496		496	0	0	0		0	496
2014	March	243	0	739		739	0	0	0		0	739
2014	April	125	0	864		864	0	0	0		0	864
2014	May	115	0	979		979	0	0	0		0	979
2014	June	98	0	1,077		1,077	0	0	0		0	1,077
2014	July	166	0	1,243		1,243	0	0	0		0	1,243
2014	August	190	0	1,433		1,433	0	0	0		0	1,433
2014	September	206	0	1,639		1,639	0	0	0		0	1,639
2014	October	212	0	1,851		1,851	0	0	0		0	1,851
2014	November	137	0	1,988		1,988	46	0	46		46	2,034
2014	December	80	0	2,068		2,068	14	0	60		60	2,128

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October			0		0			0		0	0
2012	November	180		180		180			0		0	180
2012	December	6,299		6,478		6,478			0		0	6,478
2013	January	2,354		8,832		8,832			0		0	8,832
2013	February			8,832		8,832			0		0	8,832
2013	March	2,611		11,443		11,443			0		0	11,443
2013	April	2,664		14,107		14,107			0		0	14,107
2013	May	3,716		17,824		17,824			0		0	17,824
2013	June	294		18,117		18,117			0		0	18,117
2013	July	13,711		31,829		31,829			0		0	31,829
2013	August	7,866		39,695		39,695			0		0	39,695
2013	September	27,808		67,503		67,503			0		0	67,503
2013	October	31,300		98,803		98,803			0		0	98,803
2013	November	11,454		110,257		110,257			0		0	110,257
2013	December	42,938		153,195		153,195			0		0	153,195
2014	January	13,642		166,837		166,837			0		0	166,837
2014	February	72,076		238,913		238,913			0		0	238,913
2014	March	111,865		350,779		350,779			0		0	350,779
2014	April	181,627		532,406		532,406			0		0	532,406
2014	May	102,031		634,437		634,437			0		0	634,437
2014	June	129,825		764,262		764,262			0		0	764,262
2014	July	287,856		1,052,118		1,052,118			0		0	1,052,118
2014	August	210,867		1,262,985		1,262,985			0		0	1,262,985
2014	September	363,779		1,626,764		1,626,764			0		0	1,626,764
2014	October	497,583		2,124,347		2,124,347			0		0	2,124,347
2014	November	291,989		2,416,336		2,416,336	45,596		45,596		45,596	2,461,932
2014	December	109,813		2,526,149		2,526,149	4,062		49,658		49,658	2,575,807

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C.22 Non-residential Duct Testing & Sealing (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October			0		0			0		0	0			-			-
2012	November	0		0		0			0		0	0	180		180	0.26		0.26
2012	December	8		8		8			0		0	8	589		589	0.73		0.73
2013	January	3		11		11			0		0	11	679		679	0.82		0.82
2013	February			11		11			0		0	11	679		679	0.82		0.82
2013	March	4		14		14			0		0	14	545		545	0.68		0.68
2013	April	6		20		20			0		0	20	371		371	0.53		0.53
2013	May	10		31		31			0		0	31	356		356	0.61		0.61
2013	June	5		36		36			0		0	36	336		336	0.66		0.66
2013	July	35		71		71			0		0	71	393		393	0.88		0.88
2013	August	44		115		115			0		0	115	378		378	1.10		1.10
2013	September	85		200		200			0		0	200	392		392	1.16		1.16
2013	October	67		267		267			0		0	267	420		420	1.14		1.14
2013	November	48		315		315			0		0	315	416		416	1.19		1.19
2013	December	197		512		512			0		0	512	416		416	1.39		1.39
2014	January	24		536		536			0		0	536	428		428	1.37		1.37
2014	February	104		640		640			0		0	640	482		482	1.29		1.29
2014	March	129		769		769			0		0	769	475		475	1.04		1.04
2014	April	222		991		991			0		0	991	616		616	1.15		1.15
2014	May	130		1,120		1,120			0		0	1,120	648		648	1.14		1.14
2014	June	135		1,255		1,255			0		0	1,255	710		710	1.17		1.17
2014	July	299		1,554		1,554			0		0	1,554	846		846	1.25		1.25
2014	August	174		1,728		1,728			0		0	1,728	881		881	1.21		1.21
2014	September	208		1,937		1,937			0		0	1,937	993		993	1.18		1.18
2014	October	240		2,177		2,177			0		0	2,177	1,148		1,148	1.18		1.18
2014	November	280		2,457		2,457	60		60		60	2,517	1,215	991	1,210	1.24	1.30	1.24
2014	December	112		2,569		2,569	5		65		65	2,634	1,222	828	1,210	1.24	1.08	1.24

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C.22 Non-residential Duct Testing & Sealing (DSM II) - 2012-2020

Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2015	January	100	0	2,168		2,168	12	0	72		72	2,240
2015	February	81	0	2,249		2,249	4	0	76		76	2,325
2015	March	116	0	2,365		2,365	2	0	78		78	2,443
2015	April	193	0	2,558		2,558	62	0	140		140	2,698
2015	May	112	0	2,670		2,670	13	0	153		153	2,823
2015	June	215	0	2,885		2,885	40	0	193		193	3,078
2015	July	101	0	2,986		2,986	9	0	202		202	3,188
2015	August	207	0	3,193		3,193	7	0	209		209	3,402
2015	September	250	0	3,443		3,443	0	0	209		209	3,652
2015	October	89	0	3,532		3,532	2	0	211		211	3,743
2015	November	93	0	3,625		3,625	1	0	212		212	3,837
2015	December	98	0	3,723		3,723	0	0	212		212	3,935
2016	January	49	0	3,772		3,772	0	0	212		212	3,984
2016	February	59	0	3,831		3,831	1	0	213		213	4,044
2016	March	41	0	3,872		3,872	0	0	213		213	4,085
2016	April	47	0	3,919		3,919	4	0	217		217	4,136
2016	May	21	0	3,940		3,940	3	0	220		220	4,160
2016	June	61	0	4,001		4,001	5	0	225		225	4,226
2016	July	52	0	4,053		4,053	4	0	229	4	229	4,282
2016	August	43	0	4,096		4,096	5	0	234	9	234	4,330
2016	September	61	0	4,157		4,157	1	0	235	10	235	4,392
2016	October	77	0	4,234		4,234	2	0	237	12	237	4,471
2016	November	72	0	4,306		4,306	8	0	245	20	20	4,551
2016	December	57	0	4,363		4,363	0	0	245		20	4,608
2017	January	42	0	4,405		4,405	3	0	248		23	4,653
2017	February	38	0	4,443		4,443	1	0	249		24	4,692
2017	March	1	0	4,444		4,444	1	0	250		25	4,694
2017	April	0	0	4,444		4,444	0	0	250		25	4,694
2017	May	0	0	4,444		4,444	0	0	250		25	4,694
2017	June	0	0	4,444		4,444	0	0	250		25	4,694
2017	July	0	0	4,444		4,444	0	0	250		25	4,694
2017	August	0	0	4,444		4,444	0	0	250		25	4,694
2017	September	0	0	4,444		4,444	0	0	250		25	4,694
2017	October	0	0	4,444		4,444	0	0	250		25	4,694
2017	November	0	0	4,444		4,444	0	0	250		25	4,694
2017	December	0	0	4,444		4,444	0	0	250		25	4,694

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	201,891		2,728,040		2,728,040	35,926		85,583		85,583	2,813,623
2015	February	116,805		2,844,845		2,844,845	1,316		86,899		86,899	2,931,744
2015	March	103,437		2,948,282		2,948,282	2,005		88,904		88,904	3,037,186
2015	April	167,457		3,115,739		3,115,739	62,291		151,195		151,195	3,266,934
2015	May	59,933		3,175,672		3,175,672	20,520		171,715		171,715	3,347,387
2015	June	198,698		3,374,369		3,374,369	37,871		209,586		209,586	3,583,955
2015	July	58,395		3,432,764		3,432,764	20,271		229,857		229,857	3,662,621
2015	August	231,905		3,664,669		3,664,669	13,363		243,220		243,220	3,907,889
2015	September	217,522		3,882,190		3,882,190			243,220		243,220	4,125,410
2015	October	87,673		3,969,863		3,969,863	2,992		246,212		246,212	4,216,076
2015	November	88,982		4,058,845		4,058,845	3,513		249,726		249,726	4,308,571
2015	December	174,646		4,233,491		4,233,491			249,726		249,726	4,483,217
2016	January	185,981		4,419,472		4,419,472			249,726		249,726	4,669,198
2016	February	125,309		4,544,781		4,544,781	2,697		252,422		252,422	4,797,203
2016	March	64,244		4,609,025		4,609,025			252,422		252,422	4,861,447
2016	April	216,137		4,825,162		4,825,162	273		252,695		252,695	5,077,856
2016	May	212,483		5,037,644		5,037,644	500		253,195		253,195	5,290,839
2016	June	453,430		5,491,074		5,491,074	336		253,531		253,531	5,744,605
2016	July	112,152		5,603,226		5,603,226	16,577		270,107	16,577	270,107	5,873,333
2016	August	141,750		5,744,976		5,744,976	17,786		287,893	34,363	287,893	6,032,869
2016	September	182,701		5,927,677		5,927,677	235		288,128	34,598	288,128	6,215,805
2016	October	193,533		6,121,210		6,121,210	1,068		289,196	35,666	289,196	6,410,406
2016	November	182,431		6,303,640		6,303,640	6,374		295,570	42,040	42,040	6,599,211
2016	December	125,904		6,429,544		6,429,544			295,570		42,040	6,725,115
2017	January	240,780		6,670,325		6,670,325	844		296,414		42,884	6,966,739
2017	February	111,162		6,781,487		6,781,487	847		297,262		43,731	7,078,748
2017	March	2,335		6,783,822		6,783,822	13,663		310,925		57,394	7,094,747
2017	April			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	May			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	June			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	July			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	August			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	September			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	October			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	November			6,783,822		6,783,822			310,925		57,394	7,094,747
2017	December			6,783,822		6,783,822			310,925		57,394	7,094,747

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C.22 Non-residential Duct Testing & Sealing (DSM II) - 2012-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	206		2,775		2,775	46		111		111	2,886	1,258	1,189	1,256	1.28	1.54	1.29
2015	February	186		2,961		2,961	1		112		112	3,073	1,265	1,143	1,261	1.32	1.48	1.32
2015	March	151		3,112		3,112	2		114		114	3,226	1,247	1,140	1,243	1.32	1.46	1.32
2015	April	219		3,331		3,331	102		216		216	3,547	1,218	1,080	1,211	1.30	1.54	1.31
2015	May	79		3,410		3,410	34		250		250	3,659	1,189	1,122	1,186	1.28	1.63	1.30
2015	June	402		3,811		3,811	56		306		306	4,117	1,170	1,086	1,164	1.32	1.59	1.34
2015	July	132		3,943		3,943	25		331		331	4,273	1,150	1,138	1,149	1.32	1.64	1.34
2015	August	319		4,262		4,262	19		349		349	4,612	1,148	1,164	1,149	1.33	1.67	1.36
2015	September	283		4,545		4,545			349		349	4,895	1,128	1,164	1,130	1.32	1.67	1.34
2015	October	142		4,687		4,687	4		353		353	5,040	1,124	1,167	1,126	1.33	1.67	1.35
2015	November	194		4,881		4,881	3		357		357	5,237	1,120	1,178	1,123	1.35	1.68	1.36
2015	December	198		5,079		5,079			357		357	5,436	1,137	1,178	1,139	1.36	1.68	1.38
2016	January	176		5,255		5,255			357		357	5,612	1,172	1,178	1,172	1.39	1.68	1.41
2016	February	126		5,382		5,382	9		365		365	5,747	1,186	1,185	1,186	1.40	1.72	1.42
2016	March	157		5,539		5,539			365		365	5,904	1,190	1,185	1,190	1.43	1.72	1.45
2016	April	179		5,717		5,717	1		366		366	6,083	1,231	1,164	1,228	1.46	1.69	1.47
2016	May	98		5,815		5,815	1		368		368	6,183	1,279	1,151	1,272	1.48	1.67	1.49
2016	June	330		6,146		6,146	2		370		370	6,515	1,372	1,127	1,359	1.54	1.64	1.54
2016	July	249		6,395		6,395	62		432	62	432	6,827	1,382	1,180	1,372	1.58	1.89	1.59
2016	August	327		6,722		6,722	69		501	132	501	7,224	1,403	1,230	1,393	1.64	2.14	1.67
2016	September	225		6,948		6,948	1		502	132	502	7,450	1,426	1,226	1,415	1.67	2.14	1.70
2016	October	228		7,176		7,176	2		504	134	504	7,680	1,446	1,220	1,434	1.69	2.13	1.72
2016	November	318		7,494		7,494	12		516	147	147	8,010	1,464	1,206	1,450	1.74	2.11	1.76
2016	December	179		7,673		7,673			516		147	8,189	1,474	1,206	1,459	1.76	2.11	1.78
2017	January	472		8,145		8,145	3		519		149	8,664	1,514	1,195	1,497	1.85	2.09	1.86
2017	February	219		8,365		8,365	2		520		151	8,885	1,526	1,194	1,509	1.88	2.09	1.89
2017	March	4		8,368		8,368	50		570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	April			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	May			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	June			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	July			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	August			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	September			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	October			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	November			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2017	December			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2018	January	0	0	4,444		4,444	0	0	250		25	4,694
2018	February	0	0	4,444		4,444	0	0	250		25	4,694
2018	March	0	0	4,444		4,444	0	0	250		25	4,694
2018	April	0	0	4,444		4,444	0	0	250		25	4,694
2018	May	0	0	4,444		4,444	0	0	250		25	4,694
2018	June	0	0	4,444		4,444	0	0	250		25	4,694
2018	July	0	0	4,444		4,444	0	0	250		25	4,694
2018	August	0	0	4,444		4,444	0	0	250		25	4,694
2018	September	0	0	4,444		4,444	0	0	250		25	4,694
2018	October	0	0	4,444		4,444	0	0	250		25	4,694
2018	November	0	0	4,444		4,444	0	0	250		25	4,694
2018	December	0	0	4,444		4,444	0	0	250		25	4,694
2019	January	0	0	4,444		4,444	0	0	250		25	4,694
2019	February	0	0	4,444		4,444	0	0	250		25	4,694
2019	March	0	0	4,444		4,444	0	0	250		25	4,694
2019	April	0	0	4,444		4,444	0	0	250		25	4,694
2019	May	0	0	4,444		4,444	0	0	250		25	4,694
2019	June	0	0	4,444		4,444	0	0	250		25	4,694
2019	July	0	0	4,444		4,444	0	0	250		25	4,694
2019	August	0	0	4,444		4,444	0	0	250		25	4,694
2019	September	0	0	4,444		4,444	0	0	250		25	4,694
2019	October	0	0	4,444		4,444	0	0	250		25	4,694
2019	November	0	0	4,444		4,444	0	0	250		25	4,694
2019	December	0	0	4,444		4,444	0	0	250		25	4,694
2020	January	0	0	4,444		4,444	0	0	250		25	4,694
2020	February	0	0	4,444		4,444	0	0	250		25	4,694
2020	March	0	0	4,444		4,444	0	0	250		25	4,694
2020	April	0	0	4,444		4,444	0	0	250		25	4,694
2020	May	0	0	4,444		4,444	0	0	250		25	4,694
2020	June	0	0	4,444		4,444	0	0	250		25	4,694
2020	July	0	0	4,444		4,444	0	0	250	0	25	4,694
2020	August	0	0	4,444		4,444	0	0	250	0	25	4,694
2020	September	0	0	4,444		4,444	0	0	250	0	25	4,694
2020	October	0	0	4,444		4,444	0	0	250	0	25	4,694
2020	November	0	0	4,444		4,444	0	0	250	0	0	4,694
2020	December	0	0	4,444		4,444	0	0	250		0	4,694

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	February			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	March			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	April			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	May			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	June			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	July			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	August			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	September			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	October			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	November			6,783,822		6,783,822			310,925		57,394	7,094,747
2018	December			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	January			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	February			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	March			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	April			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	May			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	June			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	July			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	August			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	September			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	October			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	November			6,783,822		6,783,822			310,925		57,394	7,094,747
2019	December			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	January			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	February			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	March			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	April			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	May			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	June			6,783,822		6,783,822			310,925		57,394	7,094,747
2020	July			6,783,822		6,783,822			310,925	0	57,394	7,094,747
2020	August			6,783,822		6,783,822			310,925	0	57,394	7,094,747
2020	September			6,783,822		6,783,822			310,925	0	57,394	7,094,747
2020	October			6,783,822		6,783,822			310,925	0	57,394	7,094,747
2020	November			6,783,822		6,783,822			310,925	0	0	7,094,747
2020	December			6,783,822		6,783,822			310,925		0	7,094,747

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	February			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	March			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	April			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	May			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	June			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	July			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	August			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	September			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	October			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	November			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2018	December			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	January			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	February			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	March			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	April			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	May			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	June			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	July			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	August			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	September			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	October			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	November			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2019	December			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	January			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	February			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	March			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	April			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	May			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	June			8,368		8,368			570		200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	July			8,368		8,368			570	0	200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	August			8,368		8,368			570	0	200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	September			8,368		8,368			570	0	200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	October			8,368		8,368			570	0	200	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	November			8,368		8,368			570	0	0	8,938	1,527	1,244	1,511	1.88	2.28	1.90
2020	December			8,368		8,368			570		0	8,938	1,527	1,244	1,511	1.88	2.28	1.90

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			11		11			-		-	11
2013			357		357			-		-	357
2014			1,700		1,700			60		60	1,760
2015			1,655		1,655			152		152	1,807
2016			640		640			33		20	673
2017			81		81			5		5	86
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			11		11			-		-	11
2013			357		357			-		-	357
2014			1,700		1,700			60		60	1,760
2015			1,655		1,655			152		152	1,807
2016			640		640			33		20	673
2017			81		81			5		5	86
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			11					-			11
2013			368					-			368
2014			2,068					60			2,128
2015			3,712					212			3,924
2016			3,995					245			4,240
2017			2,376					190			2,566
2018			721					38			759
2019			81					5			86
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			6,658		6,658			-		-	6,658
2013			502,695		502,695			-		-	502,695
2014			11,857,994		11,857,994			95,254		95,254	11,953,248
2015			11,114,984		11,114,984			1,659,949		1,659,949	12,774,933
2016			14,255,540		14,255,540			243,747		236,138	14,499,288
2017			4,135,501		4,135,501			156,081		156,081	4,291,582
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			77,742		77,742			-		-	77,742
2013			1,760,597		1,760,597			-		-	1,760,597
2014			28,475,447		28,475,447			595,895		595,895	29,071,342
2015			20,488,106		20,488,106			2,400,813		2,400,813	22,888,919
2016			26,352,640		26,352,640			550,135		504,476	26,902,775
2017			4,251,334		4,251,334			184,255		184,255	4,435,589
2018			-		-			-		-	-
2019			-		-			-		-	-
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			6,658					-			6,658
2013			580,437					-			580,437
2014			13,696,333					95,254			13,791,587
2015			41,351,028					2,255,843			43,606,871
2016			63,219,094					3,240,455			66,459,549
2017			50,976,247					3,107,029			54,083,277
2018			30,603,974					734,390			31,338,364
2019			4,251,334					184,255			4,435,589
2020			-					-			-

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Table 2. EM&V Data Incremental by Vintage Year												Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			8		8			-		-	8	605	-	605	0.73	-	0.73
2013			504		504			-		-	504	1,408	-	1,408	1.41	-	1.41
2014			2,057		2,057			65		65	2,122	6,975	1,588	6,792	1.21	1.08	1.21
2015			2,510		2,510			292		292	2,802	6,716	10,921	7,070	1.52	1.92	1.55
2016			2,594		2,594			160		147	2,754	22,274	7,386	21,544	4.05	4.84	4.09
2017			695		695			54		54	749	51,056	31,216	49,902	8.58	10.77	8.71
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year												Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			8		8			-		-	8	7,067	-	7,067	0.73	-	0.73
2013			504		504			-		-	504	4,932	-	4,932	1.41	-	1.41
2014			2,057		2,057			65		65	2,122	16,750	9,932	16,518	1.21	1.08	1.21
2015			2,510		2,510			292		292	2,802	12,380	15,795	12,667	1.52	1.92	1.55
2016			2,594		2,594			160		147	2,754	41,176	16,671	39,974	4.05	4.84	4.09
2017			695		695			54		54	749	52,486	36,851	51,577	8.58	10.77	8.71
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-		-			-		-	-	-	-	-	-	-	-
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)												PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			8					-			8		-			-	
2013			512					-			512		-			-	
2014			2,569					65			2,634		1,588			1.08	
2015			5,071					357			5,428		10,641			1.68	
2016			7,161					516			7,677		13,226			2.11	
2017			5,800					505			6,305		16,353			2.66	
2018			3,289					213			3,503		19,326			5.62	
2019			695					54			749		36,851			10.77	
2020			-					-			-		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			11		11			-		-	11
2013			368		368			-		-	368
2014			2,068		2,068			60		60	2,128
2015			3,723		3,723			212		212	3,935
2016			4,363		4,363			245		20	4,608
2017			4,444		4,444			250		25	4,694
2018			4,444		4,444			250		25	4,694
2019			4,444		4,444			250		25	4,694
2020			4,444		4,444			250		-	4,694

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			11					-			11
2013			368					-			368
2014			2,068					60			2,128
2015			3,723					212			3,935
2016			4,363					245			4,608
2017			4,444					250			4,694
2018			4,444					250			4,694
2019			4,444					250			4,694
2020			4,444					250			4,694
2021			4,444					250			4,694
2022			4,444					250			4,694
2023			4,444					250			4,694
2024			4,444					250			4,694
2025			4,444					250			4,694
2026			4,444					250			4,694
2027			4,444					250			4,694
2028			4,444					250			4,694
2029			4,444					250			4,694
2030			4,444					250			4,694
2031			4,444					250			4,694
2032			4,444					250			4,694
2033			4,444					250			4,694
2034			4,444					250			4,694
2035			4,444					250			4,694
2036			4,444					250			4,694
2037			4,444					250			4,694
2038			4,444					250			4,694
2039			4,444					250			4,694
2040			4,444					250			4,694
2041			4,444					250			4,694
2042			4,444					250			4,694
2043			4,444					250			4,694

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			6,658		6,658			0		0	6,658
2013			580,437		580,437			0		0	580,437
2014			13,696,333		13,696,333			95,254		95,254	13,791,587
2015			41,428,770		41,428,770			2,255,843		2,255,843	43,684,613
2016			65,057,433		65,057,433			3,240,455		2,733,394	68,297,888
2017			81,290,033		81,290,033			3,702,924		660,557	84,992,957
2018			81,405,866		81,405,866			3,731,098		688,731	85,136,964
2019			81,405,866		81,405,866			3,731,098		688,731	85,136,964
2020			81,405,866		81,405,866			3,731,098		573,943	85,136,964

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			6,658					-			6,658
2013			587,095					-			587,095
2014			14,283,428					95,254			14,378,682
2015			55,712,198					2,351,097			58,063,295
2016			120,769,631					5,591,552			126,361,183
2017			202,059,664					9,294,477			211,354,141
2018			283,465,530					13,025,575			296,491,105
2019			364,871,396					16,756,673			381,628,069
2020			446,277,263					20,487,771			466,765,033
2021			527,683,129					24,218,869			551,901,998
2022			609,088,995					27,949,967			637,038,962
2023			690,494,862					31,681,065			722,175,926
2024			771,900,728					35,412,163			807,312,890
2025			853,306,594					39,143,261			892,449,855
2026			934,712,460					42,874,359			977,586,819
2027			1,016,118,327					46,605,457			1,062,723,783
2028			1,097,524,193					50,336,555			1,147,860,747
2029			1,178,930,059					54,067,653			1,232,997,712
2030			1,260,335,925					57,798,751			1,318,134,676
2031			1,341,741,792					61,529,849			1,403,271,640
2032			1,423,147,658					65,260,947			1,488,408,605
2033			1,504,553,524					68,992,045			1,573,545,569
2034			1,585,959,390					72,723,143			1,658,682,533
2035			1,667,365,257					76,454,241			1,743,819,497
2036			1,748,771,123					80,185,339			1,828,956,462
2037			1,830,170,331					83,916,437			1,914,086,768
2038			1,910,995,760					87,647,535			1,998,643,295
2039			1,978,705,293					91,283,379			2,069,988,672
2040			2,018,682,390					92,758,634			2,111,441,023
2041			2,035,030,824					93,249,276			2,128,280,100
2042			2,035,146,657					93,277,450			2,128,424,107
2043			2,035,146,657					93,277,450			2,128,424,107

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			8		8			-		-	8	605	-	605	0.73	-	0.73
2013			512		512			-		-	512	1,577	-	1,577	1.39	-	1.39
2014			2,569		2,569			65		65	2,634	6,623	1,588	6,481	1.24	1.08	1.24
2015			5,079		5,079			357		357	5,436	11,128	10,641	11,102	1.36	1.68	1.38
2016			7,673		7,673			516		147	8,189	14,911	13,226	14,822	1.76	2.11	1.78
2017			8,368		8,368			570		200	8,938	18,292	14,812	18,107	1.88	2.28	1.90
2018			8,368		8,368			570		200	8,938	18,318	14,924	18,137	1.88	2.28	1.90
2019			8,368		8,368			570		200	8,938	18,318	14,924	18,137	1.88	2.28	1.90
2020			8,368		8,368			570		-	8,938	18,318	14,924	18,137	1.88	2.28	1.90

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			8					-			8	605	-	605	0.73	-	0.73
2013			512					-			512	1,595	-	1,595	1.39	-	1.39
2014			2,569					65			2,634	6,907	1,588	6,757	1.24	1.08	1.24
2015			5,079					357			5,436	14,964	11,090	14,756	1.36	1.68	1.38
2016			7,673					516			8,189	27,680	22,823	27,422	1.76	2.11	1.78
2017			8,368					570			8,938	45,468	37,178	45,026	1.88	2.28	1.90
2018			8,368					570			8,938	63,786	52,102	63,164	1.88	2.28	1.90
2019			8,368					570			8,938	82,104	67,027	81,301	1.88	2.28	1.90
2020			8,368					570			8,938	100,422	81,951	99,439	1.88	2.28	1.90
2021			8,368					570			8,938	118,741	96,875	117,576	1.88	2.28	1.90
2022			8,368					570			8,938	137,059	111,800	135,713	1.88	2.28	1.90
2023			8,368					570			8,938	155,377	126,724	153,851	1.88	2.28	1.90
2024			8,368					570			8,938	173,695	141,649	171,988	1.88	2.28	1.90
2025			8,368					570			8,938	192,013	156,573	190,126	1.88	2.28	1.90
2026			8,368					570			8,938	210,331	171,497	208,263	1.88	2.28	1.90
2027			8,368					570			8,938	228,649	186,422	226,400	1.88	2.28	1.90
2028			8,368					570			8,938	246,968	201,346	244,538	1.88	2.28	1.90
2029			8,368					570			8,938	265,286	216,271	262,675	1.88	2.28	1.90
2030			8,368					570			8,938	283,604	231,195	280,813	1.88	2.28	1.90
2031			8,368					570			8,938	301,922	246,119	298,950	1.88	2.28	1.90
2032			8,368					570			8,938	320,240	261,044	317,087	1.88	2.28	1.90
2033			8,368					570			8,938	338,558	275,968	335,225	1.88	2.28	1.90
2034			8,368					570			8,938	356,877	290,893	353,362	1.88	2.28	1.90
2035			8,368					570			8,938	375,195	305,817	371,500	1.88	2.28	1.90
2036			8,368					570			8,938	393,513	320,741	389,637	1.88	2.28	1.90
2037			8,368					570			8,938	411,830	335,666	407,773	1.88	2.28	1.90
2038			8,368					570			8,938	430,017	350,590	425,787	1.88	2.28	1.90
2039			8,368					570			8,938	445,253	365,134	440,986	1.88	2.28	1.90
2040			8,368					570			8,938	454,249	371,035	449,817	1.88	2.28	1.90
2041			8,368					570			8,938	457,928	372,997	453,404	1.88	2.28	1.90
2042			8,368					570			8,938	457,954	373,110	453,435	1.88	2.28	1.90
2043			8,368					570			8,938	457,954	373,110	453,435	1.88	2.28	1.90

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Program:	**Non-residential Energy Audit**
DSM Phase:	**2**
Type:	
Program Life in years	
Starting from 2012:	**7.0**

Table 1		**Participation**											
		Program Participants											
		VA					**NC**						**System**
Year	**Month**	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2012	January	0	0	0		0	0	0	0		0	0
2012	February	0	0	0		0	0	0	0		0	0
2012	March	0	0	0		0	0	0	0		0	0
2012	April	0	0	0		0	0	0	0		0	0
2012	May	0	0	0		0	0	0	0		0	0
2012	June	0	0	0		0	0	0	0		0	0
2012	July	0	0	0		0	0	0	0		0	0
2012	August	0	0	0		0	0	0	0		0	0
2012	September	0	0	0		0	0	0	0		0	0
2012	October	0	0	0		0	0	0	0		0	0
2012	November	0	0	0		0	0	0	0		0	0
2012	December	1	0	1		1	0	0	0		0	1
2013	January	0	0	1		1	0	0	0		0	1
2013	February	0	0	1		1	0	0	0		0	1
2013	March	0	0	1		1	0	0	0		0	1
2013	April	0	0	1		1	0	0	0		0	1
2013	May	26	0	27		27	0	0	0		0	27
2013	June	7	0	34		34	0	0	0		0	34
2013	July	2	0	36		36	0	0	0		0	36
2013	August	3	0	39		39	0	0	0		0	39
2013	September	6	0	45		45	0	0	0		0	45
2013	October	88	0	133		133	0	0	0		0	133
2013	November	72	0	205		205	0	0	0		0	205
2013	December	98	0	303		303	0	0	0		0	303
2014	January	54	0	357		357	0	0	0		0	357
2014	February	72	0	429		429	0	0	0		0	429
2014	March	31	0	460		460	0	0	0		0	460
2014	April	70	0	530		530	0	0	0		0	530
2014	May	136	0	666		666	0	0	0		0	666
2014	June	41	0	707		707	0	0	0		0	707
2014	July	52	0	759		759	0	0	0		0	759
2014	August	114	0	873		873	0	0	0		0	873
2014	September	207	0	1,080		1,080	0	0	0		0	1,080
2014	October	145	0	1,225		1,225	2	0	2		2	1,227
2014	November	174	0	1,399		1,399	14	0	16		16	1,415
2014	December	20	0	1,419		1,419	0	0	16		16	1,435

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2012	January			0		0			0		0	0
2012	February			0		0			0		0	0
2012	March			0		0			0		0	0
2012	April			0		0			0		0	0
2012	May			0		0			0		0	0
2012	June			0		0			0		0	0
2012	July			0		0			0		0	0
2012	August			0		0			0		0	0
2012	September			0		0			0		0	0
2012	October			0		0			0		0	0
2012	November			0		0			0		0	0
2012	December	2,953		2,953		2,953			0		0	2,953
2013	January			2,953		2,953			0		0	2,953
2013	February			2,953		2,953			0		0	2,953
2013	March			2,953		2,953			0		0	2,953
2013	April			2,953		2,953			0		0	2,953
2013	May	16,760		19,713		19,713			0		0	19,713
2013	June	2,620		22,332		22,332			0		0	22,332
2013	July	4		22,336		22,336			0		0	22,336
2013	August	762		23,099		23,099			0		0	23,099
2013	September	1,525		24,623		24,623			0		0	24,623
2013	October	179,879		204,502		204,502			0		0	204,502
2013	November	128,535		333,037		333,037			0		0	333,037
2013	December	78,614		411,651		411,651			0		0	411,651
2014	January	133,795		545,446		545,446			0		0	545,446
2014	February	162,166		707,613		707,613			0		0	707,613
2014	March	13,995		721,608		721,608			0		0	721,608
2014	April	292,920		1,014,528		1,014,528			0		0	1,014,528
2014	May	170,540		1,185,068		1,185,068			0		0	1,185,068
2014	June	85,605		1,270,673		1,270,673			0		0	1,270,673
2014	July	153,631		1,424,303		1,424,303			0		0	1,424,303
2014	August	94,986		1,519,289		1,519,289			0		0	1,519,289
2014	September	434,366		1,953,655		1,953,655			0		0	1,953,655
2014	October	141,596		2,095,251		2,095,251	5,538		5,538		5,538	2,100,789
2014	November	875,437		2,970,688		2,970,688	35,768		41,306		41,306	3,011,993
2014	December	39,424		3,010,112		3,010,112			41,306		41,306	3,051,417

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2012	January			0		0			0		0	0			-			-
2012	February			0		0			0		0	0			-			-
2012	March			0		0			0		0	0			-			-
2012	April			0		0			0		0	0			-			-
2012	May			0		0			0		0	0			-			-
2012	June			0		0			0		0	0			-			-
2012	July			0		0			0		0	0			-			-
2012	August			0		0			0		0	0			-			-
2012	September			0		0			0		0	0			-			-
2012	October			0		0			0		0	0			-			-
2012	November			0		0			0		0	0			-			-
2012	December	10		10		10			0		0	10	2,953		2,953	10.05		10.05
2013	January			10		10			0		0	10	2,953		2,953	10.05		10.05
2013	February			10		10			0		0	10	2,953		2,953	10.05		10.05
2013	March			10		10			0		0	10	2,953		2,953	10.05		10.05
2013	April			10		10			0		0	10	2,953		2,953	10.05		10.05
2013	May	24		34		34			0		0	34	730		730	1.26		1.26
2013	June	4		38		38			0		0	38	657		657	1.11		1.11
2013	July	0		38		38			0		0	38	620		620	1.05		1.05
2013	August	1		39		39			0		0	39	592		592	1.01		1.01
2013	September	3		42		42			0		0	42	547		547	0.93		0.93
2013	October	507		549		549			0		0	549	1,538		1,538	4.13		4.13
2013	November	327		876		876			0		0	876	1,625		1,625	4.28		4.28
2013	December	152		1,028		1,028			0		0	1,028	1,359		1,359	3.39		3.39
2014	January	200		1,228		1,228			0		0	1,228	1,528		1,528	3.44		3.44
2014	February	234		1,463		1,463			0		0	1,463	1,649		1,649	3.41		3.41
2014	March	21		1,483		1,483			0		0	1,483	1,569		1,569	3.22		3.22
2014	April	407		1,890		1,890			0		0	1,890	1,914		1,914	3.57		3.57
2014	May	240		2,130		2,130			0		0	2,130	1,779		1,779	3.20		3.20
2014	June	118		2,248		2,248			0		0	2,248	1,797		1,797	3.18		3.18
2014	July	219		2,467		2,467			0		0	2,467	1,877		1,877	3.25		3.25
2014	August	144		2,611		2,611			0		0	2,611	1,740		1,740	2.99		2.99
2014	September	271		2,882		2,882			0		0	2,882	1,809		1,809	2.67		2.67
2014	October	68		2,950		2,950	8		8		8	2,957	1,710	2,769	1,712	2.41	3.80	2.41
2014	November	90		3,040		3,040	49		57		57	3,096	2,123	2,582	2,129	2.17	3.54	2.19
2014	December	31		3,070		3,070			57		57	3,127	2,121	2,582	2,126	2.16	3.54	2.18

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2015	January	20	0	1,439		1,439	0	0	16		16	1,455
2015	February	16	0	1,455		1,455	0	0	16		16	1,471
2015	March	7	0	1,462		1,462	0	0	16		16	1,478
2015	April	2	0	1,464		1,464	0	0	16		16	1,480
2015	May	0	0	1,464		1,464	0	0	16		16	1,480
2015	June	0	0	1,464		1,464	1	0	17		17	1,481
2015	July	17	0	1,481		1,481	17	0	34		34	1,515
2015	August	10	0	1,491		1,491	60	0	94		94	1,585
2015	September	0	0	1,491		1,491	0	0	94		94	1,585
2015	October	0	0	1,491		1,491	0	0	94		94	1,585
2015	November	0	0	1,491		1,491	0	0	94		94	1,585
2015	December	1	0	1,492		1,492	0	0	94		94	1,586
2016	January	6	0	1,498		1,498	0	0	94		94	1,592
2016	February	1	0	1,499		1,499	0	0	94		94	1,593
2016	March	0	0	1,499		1,499	0	0	94		94	1,593
2016	April	0	0	1,499		1,499	0	0	94		94	1,593
2016	May	1	0	1,500		1,500	0	0	94		94	1,594
2016	June	7	0	1,507		1,507	0	0	94		94	1,601
2016	July	0	0	1,507		1,507	0	0	94	0	94	1,601
2016	August	11	0	1,518		1,518	6	0	100	6	100	1,618
2016	September	13	0	1,531		1,531	1	0	101	7	101	1,632
2016	October	29	0	1,560		1,560	2	0	103	9	103	1,663
2016	November	34	0	1,594		1,594	0	0	103	9	9	1,697
2016	December	23	0	1,617		1,617	3	0	106		12	1,723
2017	January	13	0	1,630		1,630	0	0	106		12	1,736
2017	February	1	0	1,631		1,631	1	0	107		13	1,738
2017	March	1	0	1,632		1,632	1	0	108		14	1,740
2017	April	0	0	1,632		1,632	0	0	108		14	1,740
2017	May	0	0	1,632		1,632	0	0	108		14	1,740
2017	June	0	0	1,632		1,632	0	0	108		14	1,740
2017	July	0	0	1,632		1,632	0	0	108		14	1,740
2017	August	0	0	1,632		1,632	0	0	108		14	1,740
2017	September	0	0	1,632		1,632	0	0	108		14	1,740
2017	October	0	0	1,632		1,632	0	0	108		14	1,740
2017	November	0	0	1,632		1,632	0	0	108		14	1,740
2017	December	0	0	1,632		1,632	0	0	108		14	1,740

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2015	January	27,929		3,038,041		3,038,041			41,306		41,306	3,079,347
2015	February	21,382		3,059,423		3,059,423			41,306		41,306	3,100,728
2015	March	4,769		3,064,191		3,064,191			41,306		41,306	3,105,497
2015	April	363		3,064,554		3,064,554			41,306		41,306	3,105,860
2015	May			3,064,554		3,064,554			41,306		41,306	3,105,860
2015	June			3,064,554		3,064,554	319		41,625		41,625	3,106,179
2015	July	160		3,064,715		3,064,715	9,958		51,583		51,583	3,116,298
2015	August	109		3,064,824		3,064,824	8,508		60,091		60,091	3,124,914
2015	September			3,064,824		3,064,824			60,091		60,091	3,124,914
2015	October			3,064,824		3,064,824			60,091		60,091	3,124,914
2015	November			3,064,824		3,064,824			60,091		60,091	3,124,914
2015	December	9		3,064,833		3,064,833			60,091		60,091	3,124,923
2016	January	102		3,064,935		3,064,935			60,091		60,091	3,125,025
2016	February	14		3,064,949		3,064,949			60,091		60,091	3,125,039
2016	March			3,064,949		3,064,949			60,091		60,091	3,125,039
2016	April			3,064,949		3,064,949			60,091		60,091	3,125,039
2016	May	3,929		3,068,878		3,068,878			60,091		60,091	3,128,969
2016	June	205,161		3,274,039		3,274,039			60,091		60,091	3,334,130
2016	July	10,041		3,284,080		3,284,080			60,091	0	60,091	3,344,171
2016	August	43,429		3,327,510		3,327,510	172		60,262	172	60,262	3,387,772
2016	September	40,230		3,367,739		3,367,739	19		60,281	191	60,281	3,428,021
2016	October	43,801		3,411,540		3,411,540	12,443		72,725	12,634	72,725	3,484,265
2016	November	121,477		3,533,018		3,533,018			72,725	12,634	12,634	3,605,743
2016	December	96,534		3,629,551		3,629,551	9,935		82,660		22,569	3,712,211
2017	January	12,653		3,642,205		3,642,205	30,409		113,068		52,978	3,755,273
2017	February	2,799		3,645,004		3,645,004	28,261		141,329		81,238	3,786,333
2017	March	927		3,645,930		3,645,930	10,151		151,480		91,389	3,797,410
2017	April			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	May			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	June			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	July			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	August			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	September			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	October			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	November			3,645,930		3,645,930			151,480		91,389	3,797,410
2017	December			3,645,930		3,645,930			151,480		91,389	3,797,410

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2015	January	5		3,075		3,075			57		57	3,131	2,111	2,582	2,116	2.14	3.54	2.15
2015	February	2		3,076		3,076			57		57	3,133	2,103	2,582	2,108	2.11	3.54	2.13
2015	March	1		3,077		3,077			57		57	3,134	2,096	2,582	2,101	2.10	3.54	2.12
2015	April	1		3,078		3,078			57		57	3,134	2,093	2,582	2,099	2.10	3.54	2.12
2015	May			3,078		3,078			57		57	3,134	2,093	2,582	2,099	2.10	3.54	2.12
2015	June			3,078		3,078	1		57		57	3,135	2,093	2,449	2,097	2.10	3.36	2.12
2015	July	0		3,078		3,078	15		73		73	3,150	2,069	1,517	2,057	2.08	2.13	2.08
2015	August	0		3,078		3,078	14		86		86	3,165	2,056	639	1,972	2.06	0.92	2.00
2015	September			3,078		3,078			86		86	3,165	2,056	639	1,972	2.06	0.92	2.00
2015	October			3,078		3,078			86		86	3,165	2,056	639	1,972	2.06	0.92	2.00
2015	November			3,078		3,078			86		86	3,165	2,056	639	1,972	2.06	0.92	2.00
2015	December	0		3,078		3,078			86		86	3,165	2,054	639	1,970	2.06	0.92	2.00
2016	January	0		3,078		3,078			86		86	3,165	2,046	639	1,963	2.05	0.92	1.99
2016	February	0		3,078		3,078			86		86	3,165	2,045	639	1,962	2.05	0.92	1.99
2016	March			3,078		3,078			86		86	3,165	2,045	639	1,962	2.05	0.92	1.99
2016	April			3,078		3,078			86		86	3,165	2,045	639	1,962	2.05	0.92	1.99
2016	May	5		3,084		3,084			86		86	3,170	2,046	639	1,963	2.06	0.92	1.99
2016	June	278		3,361		3,361			86		86	3,448	2,173	639	2,083	2.23	0.92	2.15
2016	July	14		3,375		3,375			86	0	86	3,461	2,179	639	2,089	2.24	0.92	2.16
2016	August	59		3,434		3,434	0		87	0	87	3,520	2,192	603	2,094	2.26	0.87	2.18
2016	September	54		3,488		3,488	0		87	0	87	3,575	2,200	597	2,101	2.28	0.86	2.19
2016	October	59		3,548		3,548	17		104	17	104	3,651	2,187	706	2,095	2.27	1.01	2.20
2016	November	165		3,713		3,713			104	17	17	3,816	2,216	706	2,125	2.33	1.01	2.25
2016	December	131		3,843		3,843	13		117		31	3,960	2,245	780	2,155	2.38	1.10	2.30
2017	January	17		3,860		3,860	65		182		95	4,042	2,234	1,067	2,163	2.37	1.72	2.33
2017	February	6		3,866		3,866	61		243		156	4,109	2,235	1,321	2,179	2.37	2.27	2.36
2017	March	1		3,868		3,868	22		264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	April			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	May			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	June			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	July			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	August			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	September			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	October			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	November			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2017	December			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2018	January	0	0	1,632		1,632	0	0	108		14	1,740
2018	February	0	0	1,632		1,632	0	0	108		14	1,740
2018	March	0	0	1,632		1,632	0	0	108		14	1,740
2018	April	0	0	1,632		1,632	0	0	108		14	1,740
2018	May	0	0	1,632		1,632	0	0	108		14	1,740
2018	June	0	0	1,632		1,632	0	0	108		14	1,740
2018	July	0	0	1,632		1,632	0	0	108		14	1,740
2018	August	0	0	1,632		1,632	0	0	108		14	1,740
2018	September	0	0	1,632		1,632	0	0	108		14	1,740
2018	October	0	0	1,632		1,632	0	0	108		14	1,740
2018	November	0	0	1,632		1,632	0	0	108		14	1,740
2018	December	0	0	1,632		1,632	0	0	108		14	1,740
2019	January	0	0	1,632		1,632	0	0	108		14	1,740
2019	February	0	0	1,632		1,632	0	0	108		14	1,740
2019	March	0	0	1,632		1,632	0	0	108		14	1,740
2019	April	0	0	1,632		1,632	0	0	108		14	1,740
2019	May	0	0	1,632		1,632	0	0	108		14	1,740
2019	June	0	0	1,632		1,632	0	0	108		14	1,740
2019	July	0	0	1,632		1,632	0	0	108	0	14	1,740
2019	August	0	0	1,632		1,632	0	0	108	0	14	1,740
2019	September	0	0	1,632		1,632	0	0	108	0	14	1,740
2019	October	0	0	1,632		1,632	0	0	108	0	14	1,740
2019	November	0	0	1,632		1,632	0	0	108	0	0	1,740
2019	December	0	-1	1,631		1,631	0	0	108		0	1,739
2020	January	0	0	1,631		1,631	0	0	108		0	1,739
2020	February	0	0	1,631		1,631	0	0	108		0	1,739
2020	March	0	0	1,631		1,631	0	0	108		0	1,739
2020	April	0	0	1,631		1,631	0	0	108		0	1,739
2020	May	0	-26	1,605		1,605	0	0	108		0	1,713
2020	June	0	-7	1,598		1,598	0	0	108		0	1,706
2020	July	0	-2	1,596		1,596	0	0	108		0	1,704
2020	August	0	-3	1,593		1,593	0	0	108		0	1,701
2020	September	0	-6	1,587		1,587	0	0	108		0	1,695
2020	October	0	-88	1,499		1,499	0	0	108		0	1,607
2020	November	0	-72	1,427		1,427	0	0	108		0	1,535
2020	December	0	-98	1,329		1,329	0	0	108		0	1,437

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2018	January			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	February			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	March			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	April			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	May			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	June			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	July			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	August			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	September			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	October			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	November			3,645,930		3,645,930			151,480		91,389	3,797,410
2018	December			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	January			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	February			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	March			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	April			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	May			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	June			3,645,930		3,645,930			151,480		91,389	3,797,410
2019	July			3,645,930		3,645,930			151,480	0	91,389	3,797,410
2019	August			3,645,930		3,645,930			151,480	0	91,389	3,797,410
2019	September			3,645,930		3,645,930			151,480	0	91,389	3,797,410
2019	October			3,645,930		3,645,930			151,480	0	91,389	3,797,410
2019	November			3,645,930		3,645,930			151,480	0	0	3,797,410
2019	December		-2,953	3,642,978		3,642,978			151,480		0	3,794,457
2020	January			3,642,978		3,642,978			151,480		0	3,794,457
2020	February			3,642,978		3,642,978			151,480		0	3,794,457
2020	March			3,642,978		3,642,978			151,480		0	3,794,457
2020	April			3,642,978		3,642,978			151,480		0	3,794,457
2020	May		-16,760	3,626,218		3,626,218			151,480		0	3,777,697
2020	June		-2,620	3,623,598		3,623,598			151,480		0	3,775,078
2020	July		-4	3,623,594		3,623,594			151,480		0	3,775,074
2020	August		-762	3,622,832		3,622,832			151,480		0	3,774,312
2020	September		-1,525	3,621,307		3,621,307			151,480		0	3,772,787
2020	October		-179,879	3,441,429		3,441,429			151,480		0	3,592,908
2020	November		-128,535	3,312,894		3,312,894			151,480		0	3,464,373
2020	December		-78,614	3,234,279		3,234,279			151,480		0	3,385,759

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2018	January			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	February			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	March			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	April			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	May			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	June			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	July			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	August			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	September			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	October			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	November			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2018	December			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	January			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	February			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	March			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	April			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	May			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	June			3,868		3,868			264		178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	July			3,868		3,868			264	0	178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	August			3,868		3,868			264	0	178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	September			3,868		3,868			264	0	178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	October			3,868		3,868			264	0	178	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	November			3,868		3,868			264	0	0	4,132	2,234	1,403	2,182	2.37	2.45	2.37
2019	December		-10	3,858		3,858			264		0	4,122	2,234	1,403	2,182	2.37	2.45	2.37
2020	January			3,858		3,858			264		0	4,122	2,234	1,403	2,182	2.37	2.45	2.37
2020	February			3,858		3,858			264		0	4,122	2,234	1,403	2,182	2.37	2.45	2.37
2020	March			3,858		3,858			264		0	4,122	2,234	1,403	2,182	2.37	2.45	2.37
2020	April			3,858		3,858			264		0	4,122	2,234	1,403	2,182	2.37	2.45	2.37
2020	May		-24	3,834		3,834			264		0	4,098	2,259	1,403	2,205	2.39	2.45	2.39
2020	June		-4	3,830		3,830			264		0	4,094	2,268	1,403	2,213	2.40	2.45	2.40
2020	July		0	3,830		3,830			264		0	4,094	2,270	1,403	2,215	2.40	2.45	2.40
2020	August		-1	3,829		3,829			264		0	4,093	2,274	1,403	2,219	2.40	2.45	2.41
2020	September		-3	3,826		3,826			264		0	4,090	2,282	1,403	2,226	2.41	2.45	2.41
2020	October		-507	3,319		3,319			264		0	3,583	2,296	1,403	2,236	2.21	2.45	2.23
2020	November		-327	2,991		2,991			264		0	3,256	2,322	1,403	2,257	2.10	2.45	2.12
2020	December		-152	2,840		2,840			264		0	3,104	2,434	1,403	2,356	2.14	2.45	2.16

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1		1			-		-	1
2013			302		302			-		-	302
2014			1,116		1,116			16		16	1,132
2015			73		73			78		78	151
2016			125		125			12		12	137
2017			15		15			2		2	17
2018			-		-			-		-	-
2019			-1		-1			-		-	-1
2020			-302		-302			-		-	-302

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1		1			-		-	1
2013			302		302			-		-	302
2014			1,116		1,116			16		16	1,132
2015			73		73			78		78	151
2016			125		125			12		12	137
2017			15		15			2		2	17
2018			-		-			-		-	-
2019			-1		-1			-		-	-1
2020			-302		-302			-		-	-302

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2012			1					-			1
2013			303					-			303
2014			1,419					16			1,435
2015			1,491					94			1,585
2016			1,314					106			1,420
2017			213					92			305
2018			140					14			154
2019			14					2			16
2020			-303					-			-303

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			2,953		2,953			-		-	2,953
2013			1,037,671		1,037,671			-		-	1,037,671
2014			13,478,420		13,478,420			88,149		88,149	13,566,570
2015			622,820		622,820			104,520		104,520	727,340
2016			2,378,145		2,378,145			48,200		48,200	2,426,345
2017			191,896		191,896			777,278		777,278	969,174
2018			-		-			-		-	-
2019			-2,953		-2,953			-		-	-2,953
2020			-1,037,671		-1,037,671			-		-	-1,037,671

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			35,433		35,433			-		-	35,433
2013			4,904,380		4,904,380			-		-	4,904,380
2014			31,181,527		31,181,527			495,669		495,669	31,677,196
2015			656,652		656,652			225,418		225,418	882,071
2016			6,776,624		6,776,624			270,829		270,829	7,047,453
2017			196,549		196,549			825,840		825,840	1,022,389
2018			-		-			-		-	-
2019			-35,433		-35,433			-		-	-35,433
2020			-4,904,380		-4,904,380			-		-	-4,904,380

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2012			2,953					-			2,953
2013			1,073,104					-			1,073,104
2014			18,418,233					88,149			18,506,383
2015			36,708,727					600,189			37,308,917
2016			34,216,324					769,287			34,985,612
2017			7,625,172					1,273,525			8,898,698
2018			6,973,173					1,096,669			8,069,842
2019			193,596					825,840			1,019,436
2020			-1,073,104					-			-1,073,104

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			10		10			-		-	10	2,953	-	2,953	10.05	-	10.05
2013			1,018		1,018			-		-	1,018	3,436	-	3,436	3.37	-	3.37
2014			2,042		2,042			57		57	2,099	12,077	5,509	11,985	1.83	3.54	1.85
2015			8		8			30		30	38	8,532	1,340	4,817	0.11	0.38	0.25
2016			765		765			31		31	796	19,025	4,017	17,711	6.12	2.55	5.81
2017			24		24			147		147	172	12,793	388,639	57,010	1.63	73.60	10.10
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-10		-10			-		-	-10	2,953	-	2,953	10.05	-	10.05
2020			-1,018		-1,018			-		-	-1,018	3,436	-	3,436	3.37	-	3.37

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			10		10			-		-	10	35,433	-	35,433	10.05	-	10.05
2013			1,018		1,018			-		-	1,018	16,240	-	16,240	3.37	-	3.37
2014			2,042		2,042			57		57	2,099	27,940	30,979	27,983	1.83	3.54	1.85
2015			8		8			30		30	38	8,995	2,890	5,842	0.11	0.38	0.25
2016			765		765			31		31	796	54,213	22,569	51,441	6.12	2.55	5.81
2017			24		24			147		147	172	13,103	412,920	60,141	1.63	73.60	10.10
2018			-		-			-		-	-	-	-	-	-	-	-
2019			-10		-10			-		-	-10	35,433	-	35,433	10.05	-	10.05
2020			-1,018		-1,018			-		-	-1,018	16,240	-	16,240	3.37	-	3.37

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2012			10					-			10		-			-	
2013			1,028					-			1,028		-			-	
2014			3,070					57			3,127		5,509			3.54	
2015			3,068					86			3,155		6,385			0.92	
2016			2,815					117			2,932		7,257			1.10	
2017			798					208			1,005		13,843			2.26	
2018			790					178			967		78,334			12.70	
2019			14					147			162		412,920			73.60	
2020			-1,028					-			-1,028		-			-	

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			1		1			-		-	1
2013			303		303			-		-	303
2014			1,419		1,419			16		16	1,435
2015			1,492		1,492			94		94	1,586
2016			1,617		1,617			106		12	1,723
2017			1,632		1,632			108		14	1,740
2018			1,632		1,632			108		14	1,740
2019			1,631		1,631			108		-	1,739
2020			1,329		1,329			108		-	1,437

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2012			1					-			1
2013			303					-			303
2014			1,419					16			1,435
2015			1,492					94			1,586
2016			1,617					106			1,723
2017			1,632					108			1,740
2018			1,632					108			1,740
2019			1,632					108			1,740
2020			1,632					108			1,740
2021			1,632					108			1,740
2022			1,632					108			1,740
2023			1,632					108			1,740
2024			1,632					108			1,740
2025			1,632					108			1,740

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2012			2,953		2,953			0		0	2,953
2013			1,073,104		1,073,104			0		0	1,073,104
2014			18,418,233		18,418,233			88,149		88,149	18,506,383
2015			36,744,160		36,744,160			600,189		600,189	37,344,349
2016			39,156,137		39,156,137			769,287		649,106	39,925,425
2017			43,746,512		43,746,512			1,769,194		1,048,107	45,515,707
2018			43,751,165		43,751,165			1,817,756		1,096,669	45,568,922
2019			43,748,212		43,748,212			1,817,756		913,891	45,565,969
2020			42,678,061		42,678,061			1,817,756		0	44,495,818

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2012			2,953					-			2,953
2013			1,076,057					-			1,076,057
2014			19,494,290					88,149			19,582,439
2015			56,238,450					688,339			56,926,788
2016			95,394,587					1,457,626			96,852,213
2017			139,141,099					3,226,820			142,367,920
2018			182,892,264					5,044,577			187,936,841
2019			226,640,477					6,862,333			233,502,810
2020			269,318,538					8,680,090			277,998,628
2021			294,651,470					10,409,697			305,061,167
2022			301,658,476					11,627,264			313,285,740
2023			306,253,504					12,675,733			318,929,237
2024			306,258,156					12,724,295			318,982,452
2025			306,258,156					12,724,295			318,982,452

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Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2012			10		10			-		-	10	2,953	-	2,953	10.05	-	10.05
2013			1,028		1,028			-		-	1,028	3,542	-	3,542	3.39	-	3.39
2014			3,070		3,070			57		57	3,127	12,980	5,509	12,896	2.16	3.54	2.18
2015			3,078		3,078			86		86	3,165	24,627	6,385	23,546	2.06	0.92	2.00
2016			3,843		3,843			117		31	3,960	24,215	7,257	23,172	2.38	1.10	2.30
2017			3,868		3,868			264		178	4,132	26,805	16,381	26,158	2.37	2.45	2.37
2018			3,868		3,868			264		178	4,132	26,808	16,831	26,189	2.37	2.45	2.37
2019			3,858		3,858			264		-	4,122	26,823	16,831	26,202	2.37	2.45	2.37
2020			2,840		2,840			264		-	3,104	32,113	16,831	30,964	2.14	2.45	2.16

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2012			10					-			10	2,953	-	2,953	10.05	-	10.05
2013			1,028					-			1,028	3,551	-	3,551	3.39	-	3.39
2014			3,070					57			3,127	13,738	5,509	13,646	2.16	3.54	2.18
2015			3,078					86			3,165	37,693	7,323	35,893	2.06	0.92	2.00
2016			3,843					117			3,960	58,995	13,751	56,211	2.38	1.10	2.30
2017			3,868					264			4,132	85,258	29,878	81,821	2.37	2.45	2.37
2018			3,868					264			4,132	112,066	46,709	108,010	2.37	2.45	2.37
2019			3,868					264			4,132	138,873	63,540	134,197	2.37	2.45	2.37
2020			3,868					264			4,132	165,024	80,371	159,769	2.37	2.45	2.37
2021			3,868					264			4,132	180,546	96,386	175,323	2.37	2.45	2.37
2022			3,868					264			4,132	184,840	107,660	180,049	2.37	2.45	2.37
2023			3,868					264			4,132	187,655	117,368	183,293	2.37	2.45	2.37
2024			3,868					264			4,132	187,658	117,818	183,323	2.37	2.45	2.37
2025			3,868					264			4,132	187,658	117,818	183,323	2.37	2.45	2.37

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Program:	**Non-residential Heating & Cooling Efficiency**
DSM Phase:	**3**
Type:	
Program Life in years	
Starting from 2014:	**15.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					**NC**					**System**
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2014	January	0	0	0		0	0	0	0		0	0
2014	February	0	0	0		0	0	0	0		0	0
2014	March	0	0	0		0	0	0	0		0	0
2014	April	0	0	0		0	0	0	0		0	0
2014	May	0	0	0		0	0	0	0		0	0
2014	June	0	0	0		0	0	0	0		0	0
2014	July	0	0	0		0	0	0	0		0	0
2014	August	0	0	0		0	0	0	0		0	0
2014	September	0	0	0		0	0	0	0		0	0
2014	October	0	0	0		0	0	0	0		0	0
2014	November	1	0	1		1	0	0	0		0	1
2014	December	5	0	6		6	0	0	0		0	6
2015	January	0	0	6		6	0	0	0		0	6
2015	February	1	0	7		7	0	0	0		0	7
2015	March	0	0	7		7	0	0	0		0	7
2015	April	16	0	23		23	2	0	2		2	25
2015	May	34	0	57		57	1	0	3		3	60
2015	June	16	0	73		73	0	0	3		3	76
2015	July	26	0	99		99	0	0	3		3	102
2015	August	2	0	101		101	0	0	3		3	104
2015	September	7	0	108		108	0	0	3		3	111
2015	October	5	0	113		113	0	0	3		3	116
2015	November	2	0	115		115	0	0	3		3	118
2015	December	5	0	120		120	0	0	3		3	123
2016	January	7	0	127		127	0	0	3		3	130
2016	February	9	0	136		136	0	0	3		3	139
2016	March	4	0	140		140	0	0	3		3	143
2016	April	6	0	146		146	1	0	4		4	150
2016	May	6	0	152		152	1	0	5		5	157
2016	June	12	0	164		164	2	0	7		7	171
2016	July	7	0	171		171	0	0	7	0	7	178
2016	August	12	0	183		183	1	0	8	1	8	191
2016	September	7	0	190		190	0	0	8	1	8	198
2016	October	6	0	196		196	0	0	8	1	8	204
2016	November	6	0	202		202	1	0	9	2	2	211
2016	December	7	0	209		209	0	0	9		2	218

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C.24 Non-residential Heating and Cooling Efficiency (DSM III) - 2014-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2014	January			0		0			0		0	0
2014	February			0		0			0		0	0
2014	March			0		0			0		0	0
2014	April			0		0			0		0	0
2014	May			0		0			0		0	0
2014	June			0		0			0		0	0
2014	July			0		0			0		0	0
2014	August			0		0			0		0	0
2014	September			0		0			0		0	0
2014	October			0		0			0		0	0
2014	November	71,924		71,924		71,924			0		0	71,924
2014	December	49,492		121,416		121,416			0		0	121,416
2015	January			121,416		121,416			0		0	121,416
2015	February	2,702		124,118		124,118			0		0	124,118
2015	March			124,118		124,118			0		0	124,118
2015	April	246,386		370,503		370,503	3,163		3,163		3,163	373,666
2015	May	118,646		489,149		489,149	4,433		7,595		7,595	496,745
2015	June	34,651		523,800		523,800			7,595		7,595	531,396
2015	July	167,760		691,560		691,560			7,595		7,595	699,156
2015	August	1,139		692,700		692,700			7,595		7,595	700,295
2015	September	190,538		883,237		883,237			7,595		7,595	890,833
2015	October	70,208		953,445		953,445			7,595		7,595	961,041
2015	November	52,583		1,006,028		1,006,028			7,595		7,595	1,013,624
2015	December	42,874		1,048,902		1,048,902			7,595		7,595	1,056,498
2016	January	29,693		1,078,595		1,078,595			7,595		7,595	1,086,191
2016	February	28,448		1,107,044		1,107,044			7,595		7,595	1,114,639
2016	March	24,484		1,131,528		1,131,528			7,595		7,595	1,139,123
2016	April	202,811		1,334,339		1,334,339	915		8,510		8,510	1,342,849
2016	May	76,025		1,410,364		1,410,364	5,128		13,638		13,638	1,424,003
2016	June	80,435		1,490,799		1,490,799	17,446		31,084		31,084	1,521,883
2016	July	36,771		1,527,570		1,527,570			31,084	0	31,084	1,558,654
2016	August	212,255		1,739,825		1,739,825	534		31,618	534	31,618	1,771,443
2016	September	255,469		1,995,294		1,995,294			31,618	534	31,618	2,026,912
2016	October	59,971		2,055,265		2,055,265			31,618	534	31,618	2,086,882
2016	November	60,419		2,115,683		2,115,683	103		31,720	636	636	2,147,404
2016	December	70,495		2,186,178		2,186,178			31,720		636	2,217,898

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C.24 Non-residential Heating and Cooling Efficiency (DSM III) - 2014-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2014	January			0		0			0		0	0			-			-
2014	February			0		0			0		0	0			-			-
2014	March			0		0			0		0	0			-			-
2014	April			0		0			0		0	0			-			-
2014	May			0		0			0		0	0			-			-
2014	June			0		0			0		0	0			-			-
2014	July			0		0			0		0	0			-			-
2014	August			0		0			0		0	0			-			-
2014	September			0		0			0		0	0			-			-
2014	October			0		0			0		0	0			-			-
2014	November	338		338		338			0		0	338	71,924		71,924	338.32		338.32
2014	December	172		510		510			0		0	510	20,236		20,236	85.02		85.02
2015	January			510		510			0		0	510	20,236		20,236	85.02		85.02
2015	February	2		512		512			0		0	512	17,731		17,731	73.17		73.17
2015	March			512		512			0		0	512	17,731		17,731	73.17		73.17
2015	April	622		1,134		1,134	24		24		24	1,157	16,109	1,581	14,947	49.30	11.77	46.30
2015	May	386		1,520		1,520	3		27		27	1,547	8,582	2,532	8,279	26.67	8.97	25.78
2015	June	294		1,814		1,814			27		27	1,841	7,175	2,532	6,992	24.85	8.97	24.23
2015	July	417		2,231		2,231			27		27	2,258	6,985	2,532	6,854	22.54	8.97	22.14
2015	August	15		2,246		2,246			27		27	2,273	6,858	2,532	6,734	22.24	8.97	21.86
2015	September	558		2,804		2,804			27		27	2,831	8,178	2,532	8,026	25.96	8.97	25.50
2015	October	270		3,074		3,074			27		27	3,101	8,438	2,532	8,285	27.21	8.97	26.73
2015	November	64		3,138		3,138			27		27	3,165	8,748	2,532	8,590	27.29	8.97	26.82
2015	December	149		3,287		3,287			27		27	3,314	8,741	2,532	8,589	27.39	8.97	26.94
2016	January	83		3,370		3,370			27		27	3,397	8,493	2,532	8,355	26.53	8.97	26.13
2016	February	219		3,589		3,589			27		27	3,616	8,140	2,532	8,019	26.39	8.97	26.01
2016	March	77		3,665		3,665			27		27	3,692	8,082	2,532	7,966	26.18	8.97	25.82
2016	April	270		3,935		3,935	1		27		27	3,963	9,139	2,127	8,952	26.95	6.86	26.42
2016	May	49		3,985		3,985	78		106		106	4,090	9,279	2,728	9,070	26.22	21.11	26.05
2016	June	268		4,253		4,253	14		119		119	4,372	9,090	4,441	8,900	25.93	17.03	25.57
2016	July	137		4,389		4,389			119	0	119	4,509	8,933	4,441	8,756	25.67	17.03	25.33
2016	August	292		4,681		4,681	1		120	1	120	4,801	9,507	3,952	9,275	25.58	14.97	25.14
2016	September	182		4,863		4,863			120	1	120	4,983	10,502	3,952	10,237	25.60	14.97	25.17
2016	October	145		5,009		5,009			120	1	120	5,128	10,486	3,952	10,230	25.55	14.97	25.14
2016	November	174		5,183		5,183	0		120	1	1	5,303	10,474	3,524	10,177	25.66	13.35	25.13
2016	December	188		5,371		5,371			120		1	5,492	10,460	3,524	10,174	25.70	13.35	25.19

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2017	January	9	0	218		218	0	0	9		2	227
2017	February	9	0	227		227	0	0	9		2	236
2017	March	1	0	228		228	0	0	9		2	237
2017	April	2	0	230		230	0	0	9		2	239
2017	May	13	0	243		243	1	0	10		3	253
2017	June	23	0	266		266	1	0	11		4	277
2017	July	12	0	278		278	0	0	11		4	289
2017	August	10	0	288		288	0	0	11		4	299
2017	September	8	0	296		296	1	0	12		5	308
2017	October	5	0	301		301	0	0	12		5	313
2017	November	10	0	311		311	0	0	12		5	323
2017	December	1	0	312		312	0	0	12		5	324
2018	January	0	0	312		312	0	0	12		5	324
2018	February	10	0	322		322	0	0	12		5	334
2018	March	3	0	325		325	1	0	13		6	338
2018	April	7	0	332		332	2	0	15		8	347
2018	May	5	0	337		337	0	0	15		8	352
2018	June	4	0	341		341	0	0	15		8	356
2018	July	10	0	351		351	0	0	15		8	366
2018	August	10	0	361		361	0	0	15		8	376
2018	September	10	0	371		371	0	0	15		8	386
2018	October	10	0	381		381	0	0	15		8	396
2018	November	4	0	385		385	0	0	15		8	400
2018	December	4	0	389		389	0	0	15		8	404
2019	January	4	0	393		393	0	0	15		8	408
2019	February	10	0	403		403	0	0	15		8	418
2019	March	3	0	406		406	1	0	16		9	422
2019	April	0	0	406		406	0	0	16		9	422
2019	May	0	0	406		406	0	0	16		9	422
2019	June	0	0	406		406	0	0	16		9	422
2019	July	0	0	406		406	0	0	16	0	9	422
2019	August	0	0	406		406	0	0	16	0	9	422
2019	September	0	0	406		406	0	0	16	0	9	422
2019	October	0	0	406		406	0	0	16	0	9	422
2019	November	0	0	406		406	0	0	16	0	0	422
2019	December	0	0	406		406	0	0	16		0	422

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C.24 Non-residential Heating and Cooling Efficiency (DSM III) - 2014-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2017	January	10,308		2,196,486		2,196,486			31,720		636	2,228,206
2017	February	47,495		2,243,981		2,243,981			31,720		636	2,275,701
2017	March	7,197		2,251,178		2,251,178			31,720		636	2,282,898
2017	April	17,141		2,268,318		2,268,318			31,720		636	2,300,039
2017	May	198,848		2,467,166		2,467,166	6,169		37,889		6,805	2,505,056
2017	June	56,145		2,523,311		2,523,311	35		37,924		6,840	2,561,235
2017	July	83,386		2,606,697		2,606,697			37,924		6,840	2,644,621
2017	August	12,913		2,619,610		2,619,610			37,924		6,840	2,657,534
2017	September	84,001		2,703,610		2,703,610	710		38,635		7,550	2,742,245
2017	October	34,869		2,738,479		2,738,479			38,635		7,550	2,777,114
2017	November	44,982		2,783,461		2,783,461			38,635		7,550	2,822,096
2017	December	29,957		2,813,418		2,813,418			38,635		7,550	2,852,052
2018	January			2,813,418		2,813,418			38,635		7,550	2,852,052
2018	February	60,354		2,873,772		2,873,772			38,635		7,550	2,912,406
2018	March	15,616		2,889,387		2,889,387	6,336		44,971		13,887	2,934,358
2018	April	39,950		2,929,338		2,929,338	12,478		57,449		26,365	2,986,787
2018	May	40,213		2,969,551		2,969,551			57,449		26,365	3,027,000
2018	June	33,973		3,003,524		3,003,524			57,449		26,365	3,060,973
2018	July	84,727		3,088,251		3,088,251			57,449		26,365	3,145,700
2018	August	339,770		3,428,021		3,428,021			57,449		26,365	3,485,470
2018	September	81,028		3,509,049		3,509,049			57,449		26,365	3,566,498
2018	October	65,140		3,574,189		3,574,189			57,449		26,365	3,631,638
2018	November	10,913		3,585,102		3,585,102			57,449		26,365	3,642,551
2018	December	46,548		3,631,650		3,631,650			57,449		26,365	3,689,100
2019	January	15,170		3,646,820		3,646,820			57,449		26,365	3,704,269
2019	February	53,826		3,700,646		3,700,646			57,449		26,365	3,758,096
2019	March	208,348		3,908,994		3,908,994	15		57,464		26,380	3,966,458
2019	April			3,908,994		3,908,994	5,107		62,571		31,487	3,971,565
2019	May			3,908,994		3,908,994			62,571		31,487	3,971,565
2019	June			3,908,994		3,908,994			62,571		31,487	3,971,565
2019	July			3,908,994		3,908,994			62,571	0	31,487	3,971,565
2019	August			3,908,994		3,908,994			62,571	0	31,487	3,971,565
2019	September			3,908,994		3,908,994	1,803		64,374	1,803	33,290	3,973,368
2019	October			3,908,994		3,908,994			64,374	1,803	33,290	3,973,368
2019	November			3,908,994		3,908,994			64,374	1,803	1,803	3,973,368
2019	December			3,908,994		3,908,994			64,374		1,803	3,973,368

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C.24 Non-residential Heating and Cooling Efficiency (DSM III) - 2014-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2017	January	25		5,397		5,397			120		1	5,517	10,076	3,524	9,816	24.76	13.35	24.30
2017	February	67		5,464		5,464			120		1	5,584	9,885	3,524	9,643	24.07	13.35	23.66
2017	March	12		5,476		5,476			120		1	5,596	9,874	3,524	9,632	24.02	13.35	23.61
2017	April	7		5,483		5,483			120		1	5,603	9,862	3,524	9,624	23.84	13.35	23.44
2017	May	1,471		6,954		6,954	-39		81		-38	7,035	10,153	3,789	9,901	28.62	8.13	27.81
2017	June	36		6,989		6,989	0		81		-38	7,071	9,486	3,448	9,246	26.28	7.39	25.53
2017	July	85		7,074		7,074			81		-38	7,156	9,377	3,448	9,151	25.45	7.39	24.76
2017	August	8		7,082		7,082			81		-38	7,163	9,096	3,448	8,888	24.59	7.39	23.96
2017	September	133		7,215		7,215	-1		80		-39	7,295	9,134	3,220	8,903	24.38	6.66	23.68
2017	October	48		7,263		7,263			80		-39	7,343	9,098	3,220	8,873	24.13	6.66	23.46
2017	November	41		7,304		7,304			80		-39	7,384	8,950	3,220	8,737	23.48	6.66	22.86
2017	December	14		7,318		7,318			80		-39	7,398	9,017	3,220	8,803	23.46	6.66	22.83
2018	January			7,318		7,318			80		-39	7,398	9,017	3,220	8,803	23.46	6.66	22.83
2018	February	29		7,347		7,347			80		-39	7,427	8,925	3,220	8,720	22.82	6.66	22.24
2018	March	20		7,367		7,367	5		85		-34	7,452	8,890	3,459	8,682	22.67	6.56	22.05
2018	April	16		7,383		7,383	79		165		45	7,547	8,823	3,830	8,607	22.24	10.97	21.75
2018	May	27		7,410		7,410			165		45	7,575	8,812	3,830	8,599	21.99	10.97	21.52
2018	June	89		7,499		7,499			165		45	7,664	8,808	3,830	8,598	21.99	10.97	21.53
2018	July	68		7,567		7,567			165		45	7,731	8,798	3,830	8,595	21.56	10.97	21.12
2018	August	215		7,782		7,782			165		45	7,947	9,496	3,830	9,270	21.56	10.97	21.14
2018	September	60		7,842		7,842			165		45	8,007	9,458	3,830	9,240	21.14	10.97	20.74
2018	October	64		7,906		7,906			165		45	8,071	9,381	3,830	9,171	20.75	10.97	20.38
2018	November	-43		7,863		7,863			165		45	8,027	9,312	3,830	9,106	20.42	10.97	20.07
2018	December	24		7,887		7,887			165		45	8,051	9,336	3,830	9,131	20.27	10.97	19.93
2019	January	36		7,923		7,923			165		45	8,088	9,279	3,830	9,079	20.16	10.97	19.82
2019	February	41		7,964		7,964			165		45	8,128	9,183	3,830	8,991	19.76	10.97	19.45
2019	March	122		8,086		8,086	0		165		45	8,250	9,628	3,591	9,399	19.92	10.29	19.55
2019	April			8,086		8,086	11		176		57	8,262	9,628	3,911	9,411	19.92	11.00	19.58
2019	May			8,086		8,086			176		57	8,262	9,628	3,911	9,411	19.92	11.00	19.58
2019	June			8,086		8,086			176		57	8,262	9,628	3,911	9,411	19.92	11.00	19.58
2019	July			8,086		8,086			176	0	57	8,262	9,628	3,911	9,411	19.92	11.00	19.58
2019	August			8,086		8,086			176	0	57	8,262	9,628	3,911	9,411	19.92	11.00	19.58
2019	September			8,086		8,086	2		178	2	59	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2019	October			8,086		8,086			178	2	59	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2019	November			8,086		8,086			178	2	2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2019	December			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	VA Cum. for IRP (New + Retired) [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	NC Cum. for IRP (New + Retired) [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.) [H] = Σ[C] + Σ[-C retired] + D	System Cum for IRP E+G
2020	January	0	0	406		406	0	0	16		0	422
2020	February	0	0	406		406	0	0	16		0	422
2020	March	0	0	406		406	0	0	16		0	422
2020	April	0	0	406		406	0	0	16		0	422
2020	May	0	0	406		406	0	0	16		0	422
2020	June	0	0	406		406	0	0	16		0	422
2020	July	0	0	406		406	0	0	16		0	422
2020	August	0	0	406		406	0	0	16		0	422
2020	September	0	0	406		406	0	0	16		0	422
2020	October	0	0	406		406	0	0	16		0	422
2020	November	0	0	406		406	0	0	16		0	422
2020	December	0	0	406		406	0	0	16		0	422

Table 2. EM&V Data Incremental by Vintage Year											
	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			6		6			-		-	6
2015			114		114			3		3	117
2016			89		89			6		2	95
2017			103		103			3		3	106
2018			77		77			3		3	80
2019			17		17			1		-	18
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year											
	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			6		6			-		-	6
2015			114		114			3		3	117
2016			89		89			6		2	95
2017			103		103			3		3	106
2018			77		77			3		3	80
2019			17		17			1		-	18
2020			-		-			-		-	-

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	February			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	March			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	April			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	May			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	June			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	July			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	August			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	September			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	October			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	November			3,908,994		3,908,994			64,374		1,803	3,973,368
2020	December			3,908,994		3,908,994			64,374		1,803	3,973,368

Table 2. EM&V Data Incremental by Vintage Year											
	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			193,340		193,340			-		-	193,340
2015			5,571,987		5,571,987			63,926		63,926	5,635,912
2016			6,585,656		6,585,656			174,252		127,275	6,759,908
2017			3,981,580		3,981,580			52,438		52,438	4,034,018
2018			4,534,242		4,534,242			175,667		175,667	4,709,909
2019			2,857,601		2,857,601			53,322		43,079	2,910,924
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year											
	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			1,456,991		1,456,991			-		-	1,456,991
2015			11,129,837		11,129,837			91,144		91,144	11,220,982
2016			13,647,306		13,647,306			289,500		7,635	13,936,806
2017			7,526,876		7,526,876			82,971		82,971	7,609,846
2018			9,818,796		9,818,796			225,775		225,775	10,044,570
2019			3,328,123		3,328,123			83,099		21,641	3,411,222
2020			-		-			-		-	-

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	February			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	March			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	April			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	May			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	June			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	July			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	August			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	September			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	October			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	November			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58
2020	December			8,086		8,086			178		2	8,264	9,628	4,023	9,416	19.92	11.12	19.58

Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			510		510			-		-	510	32,223	-	32,223	85.02	-	85.02
2015			2,777		2,777			27		27	2,804	48,877	21,309	48,170	24.36	8.97	23.97
2016			2,084		2,084			93		1	2,177	73,996	29,042	71,157	23.42	15.54	22.92
2017			1,947		1,947			-40		-40	1,906	38,656	17,479	38,057	18.90	-13.42	17.99
2018			569		569			85		85	653	58,886	58,556	58,874	7.39	28.22	8.17
2019			199		199			13		2	212	168,094	53,322	161,718	11.69	13.32	11.78
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			510		510			-		-	510	242,832	-	242,832	85.02	-	85.02
2015			2,777		2,777			27		27	2,804	97,630	30,381	95,906	24.36	8.97	23.97
2016			2,084		2,084			93		1	2,177	153,341	48,250	146,703	23.42	15.54	22.92
2017			1,947		1,947			-40		-40	1,906	73,076	27,657	71,791	18.90	-13.42	17.99
2018			569		569			85		85	653	127,517	75,258	125,557	7.39	28.22	8.17
2019			199		199			13		2	212	195,772	83,099	189,512	11.69	13.32	11.78
2020			-		-			-		-	-	-	-	-	-	-	-

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2014			6					-			6
2015			120					3			123
2016			209					9			218
2017			306					12			318
2018			269					12			281
2019			197					7			204
2020			94					4			98

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			6		6			-		-	6
2015			120		120			3		3	123
2016			209		209			9		2	218
2017			312		312			12		5	324
2018			389		389			15		8	404
2019			406		406			16		-	422
2020			406		406			16		-	422

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2014			6					-			6
2015			120					3			123
2016			209					9			218
2017			312					12			324
2018			389					15			404
2019			406					16			422
2020			406					16			422
2021			406					16			422
2022			406					16			422
2023			406					16			422
2024			406					16			422
2025			406					16			422
2026			406					16			422
2027			406					16			422
2028			406					16			422
2029			406					16			422
2030			406					16			422
2031			406					16			422
2032			406					16			422
2033			406					16			422
2034			406					16			422
2035			406					16			422

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2014			193,340					-			193,340
2015			7,028,978					63,926			7,092,904
2016			19,172,484					265,397			19,437,881
2017			28,758,723					433,083			29,191,806
2018			25,708,424					548,138			26,256,562
2019			20,203,273					362,068			20,565,340
2020			13,146,919					308,874			13,455,793

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			193,340		193,340			0		0	193,340
2015			7,028,978		7,028,978			63,926		63,926	7,092,904
2016			19,172,484		19,172,484			265,397		203,228	19,437,881
2017			30,215,714		30,215,714			433,083		60,073	30,648,797
2018			38,295,252		38,295,252			639,282		266,273	38,934,534
2019			46,437,407		46,437,407			742,712		306,729	47,180,119
2020			46,907,929		46,907,929			772,489		21,641	47,680,418

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2014			193,340					-			193,340
2015			7,222,318					63,926			7,286,244
2016			26,394,802					329,322			26,724,125
2017			56,610,517					762,405			57,372,922
2018			94,905,769					1,401,687			96,307,456
2019			141,343,176					2,144,399			143,487,576
2020			188,251,105					2,916,889			191,167,994
2021			235,159,034					3,689,378			238,848,412
2022			282,066,963					4,461,867			286,528,830
2023			328,974,892					5,234,356			334,209,248
2024			375,882,821					6,006,845			381,889,666
2025			422,790,750					6,779,334			429,570,084
2026			469,698,679					7,551,823			477,250,502
2027			516,606,608					8,324,313			524,930,920
2028			563,514,537					9,096,802			572,611,338
2029			610,229,126					9,869,291			620,098,416
2030			650,108,077					10,577,854			660,685,931
2031			677,843,521					11,084,947			688,928,468
2032			694,535,736					11,424,353			705,960,089
2033			703,148,413					11,557,560			714,705,973
2034			703,618,934					11,587,337			715,206,271
2035			703,618,934					11,587,337			715,206,271

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Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2014			510					-			510		-			-	
2015			3,287					27			3,314		21,309			8.97	
2016			5,371					120			5,492		29,489			13.35	
2017			6,808					80			6,888		36,090			6.66	
2018			4,600					138			4,737		45,678			11.47	
2019			2,714					58			2,772		51,724			8.25	
2020			768					98			866		77,218			24.50	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			510		510			-		-	510	32,223	-	32,223	85.02	-	85.02
2015			3,287		3,287			27		27	3,314	58,575	21,309	57,666	27.39	8.97	26.94
2016			5,371		5,371			120		1	5,492	91,734	29,489	89,165	25.70	13.35	25.19
2017			7,318		7,318			80		-39	7,398	96,845	36,090	94,595	23.46	6.66	22.83
2018			7,887		7,887			165		45	8,051	98,445	42,619	96,373	20.27	10.97	19.93
2019			8,086		8,086			178		2	8,264	114,378	46,420	111,801	19.92	11.12	19.58
2020			8,086		8,086			178		2	8,264	115,537	48,281	112,987	19.92	11.12	19.58

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2014			510					-			510	32,223	-	32,223	85.02	-	85.02
2015			3,287					27			3,314	60,186	21,309	59,238	27.39	8.97	26.94
2016			5,371					120			5,492	126,291	36,591	122,588	25.70	13.35	25.19
2017			7,318					120			7,438	181,444	63,534	177,077	23.46	6.66	22.83
2018			7,887					165			8,051	243,974	93,446	238,385	20.27	10.97	19.93
2019			8,086					178			8,264	348,136	134,025	340,018	19.92	11.12	19.58
2020			8,086					178			8,264	463,673	182,306	453,005	19.92	11.12	19.58
2021			8,086					178			8,264	579,209	230,586	565,991	19.92	11.12	19.58
2022			8,086					178			8,264	694,746	278,867	678,978	19.92	11.12	19.58
2023			8,086					178			8,264	810,283	327,147	791,965	19.92	11.12	19.58
2024			8,086					178			8,264	925,820	375,428	904,952	19.92	11.12	19.58
2025			8,086					178			8,264	1,041,357	423,708	1,017,939	19.92	11.12	19.58
2026			8,086					178			8,264	1,156,893	471,989	1,130,925	19.92	11.12	19.58
2027			8,086					178			8,264	1,272,430	520,270	1,243,912	19.92	11.12	19.58
2028			8,086					178			8,264	1,387,967	568,550	1,356,899	19.92	11.12	19.58
2029			8,086					178			8,264	1,503,027	616,831	1,469,428	19.92	11.12	19.58
2030			8,086					178			8,264	1,601,251	661,116	1,565,606	19.92	11.12	19.58
2031			8,086					178			8,264	1,669,565	692,809	1,632,532	19.92	11.12	19.58
2032			8,086					178			8,264	1,710,679	714,022	1,672,891	19.92	11.12	19.58
2033			8,086					178			8,264	1,731,893	722,347	1,693,616	19.92	11.12	19.58
2034			8,086					178			8,264	1,733,052	724,209	1,694,802	19.92	11.12	19.58
2035			8,086					178			8,264	1,733,052	724,209	1,694,802	19.92	11.12	19.58

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Program:	**Non-residential Window Film**
DSM Phase:	**3**
Type:	
Program Life in years	
Starting from 2014:	**10.0**

Table 1 — **Participation**

Year	Month	Program Participants										
		VA					NC					System
		VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2014	January	0	0	0		0	0	0	0		0	0
2014	February	0	0	0		0	0	0	0		0	0
2014	March	0	0	0		0	0	0	0		0	0
2014	April	0	0	0		0	0	0	0		0	0
2014	May	0	0	0		0	0	0	0		0	0
2014	June	0	0	0		0	0	0	0		0	0
2014	July	0	0	0		0	0	0	0		0	0
2014	August	0	0	0		0	0	0	0		0	0
2014	September	0	0	0		0	0	0	0		0	0
2014	October	1	0	1		1	0	0	0		0	1
2014	November	0	0	1		1	0	0	0		0	1
2014	December	2	0	3		3	0	0	0		0	3
2015	January	2	0	5		5	0	0	0		0	5
2015	February	3	0	8		8	0	0	0		0	8
2015	March	1	0	9		9	0	0	0		0	9
2015	April	2	0	11		11	0	0	0		0	11
2015	May	2	0	13		13	0	0	0		0	13
2015	June	3	0	16		16	0	0	0		0	16
2015	July	1	0	17		17	0	0	0		0	17
2015	August	2	0	19		19	0	0	0		0	19
2015	September	1	0	20		20	0	0	0		0	20
2015	October	2	0	22		22	0	0	0		0	22
2015	November	1	0	23		23	0	0	0		0	23
2015	December	2	0	25		25	0	0	0		0	25
2016	January	4	0	29		29	0	0	0		0	29
2016	February	4	0	33		33	0	0	0		0	33
2016	March	7	0	40		40	0	0	0		0	40
2016	April	7	0	47		47	0	0	0		0	47
2016	May	6	0	53		53	0	0	0		0	53
2016	June	4	0	57		57	0	0	0		0	57
2016	July	3	0	60		60	0	0	0	0	0	60
2016	August	11	0	71		71	0	0	0	0	0	71
2016	September	10	0	81		81	0	0	0	0	0	81
2016	October	7	0	88		88	0	0	0	0	0	88
2016	November	6	0	94		94	0	0	0	0	0	94
2016	December	1	0	95		95	0	0	0		0	95

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Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2014	January			0		0			0		0	0
2014	February			0		0			0		0	0
2014	March			0		0			0		0	0
2014	April			0		0			0		0	0
2014	May			0		0			0		0	0
2014	June			0		0			0		0	0
2014	July			0		0			0		0	0
2014	August			0		0			0		0	0
2014	September			0		0			0		0	0
2014	October	222		222		222			0		0	222
2014	November			222		222			0		0	222
2014	December	95,818		96,040		96,040			0		0	96,040
2015	January	10		96,050		96,050			0		0	96,050
2015	February	181		96,231		96,231			0		0	96,231
2015	March	44		96,275		96,275			0		0	96,275
2015	April	255,181		351,456		351,456			0		0	351,456
2015	May	30		351,486		351,486			0		0	351,486
2015	June	330		351,816		351,816			0		0	351,816
2015	July	-2		351,815		351,815			0		0	351,815
2015	August	141		351,955		351,955			0		0	351,955
2015	September	0		351,955		351,955			0		0	351,955
2015	October	367		352,322		352,322			0		0	352,322
2015	November	165		352,487		352,487			0		0	352,487
2015	December	37		352,524		352,524			0		0	352,524
2016	January	14,147		366,671		366,671			0		0	366,671
2016	February	764		367,436		367,436			0		0	367,436
2016	March	2,385		369,821		369,821			0		0	369,821
2016	April	2,110		371,931		371,931			0		0	371,931
2016	May	447		372,378		372,378			0		0	372,378
2016	June	353		372,732		372,732			0		0	372,732
2016	July	3,036		375,767		375,767			0	0	0	375,767
2016	August	1,644		377,411		377,411			0	0	0	377,411
2016	September	4,165		381,576		381,576			0	0	0	381,576
2016	October	2,087		383,663		383,663			0	0	0	383,663
2016	November	7,577		391,240		391,240			0	0	0	391,240
2016	December	17		391,257		391,257			0		0	391,257

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C.25 Non-residential Window Film (DSM III) - 2014-2020

Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2014	January			0		0			0		0	0			-			-
2014	February			0		0			0		0	0			-			-
2014	March			0		0			0		0	0			-			-
2014	April			0		0			0		0	0			-			-
2014	May			0		0			0		0	0			-			-
2014	June			0		0			0		0	0			-			-
2014	July			0		0			0		0	0			-			-
2014	August			0		0			0		0	0			-			-
2014	September			0		0			0		0	0			-			-
2014	October	1		1		1			0		0	1	222		222	0.80		0.80
2014	November			1		1			0		0	1	222		222	0.80		0.80
2014	December	232		233		233			0		0	233	32,013		32,013	77.71		77.71
2015	January	0		233		233			0		0	233	19,210		19,210	46.65		46.65
2015	February	1		234		234			0		0	234	12,029		12,029	29.28		29.28
2015	March	0		234		234			0		0	234	10,697		10,697	26.05		26.05
2015	April	621		855		855			0		0	855	31,951		31,951	77.75		77.75
2015	May	0		856		856			0		0	856	27,037		27,037	65.81		65.81
2015	June	1		857		857			0		0	857	21,989		21,989	53.55		53.55
2015	July	0		857		857			0		0	857	20,695		20,695	50.41		50.41
2015	August	1		857		857			0		0	857	18,524		18,524	45.13		45.13
2015	September	0		857		857			0		0	857	17,598		17,598	42.87		42.87
2015	October	2		859		859			0		0	859	16,015		16,015	39.05		39.05
2015	November	0		860		860			0		0	860	15,326		15,326	37.37		37.37
2015	December	0		860		860			0		0	860	14,101		14,101	34.39		34.39
2016	January	57		917		917			0		0	917	12,644		12,644	31.61		31.61
2016	February	3		919		919			0		0	919	11,134		11,134	27.86		27.86
2016	March	13		933		933			0		0	933	9,246		9,246	23.31		23.31
2016	April	7		940		940			0		0	940	7,913		7,913	20.00		20.00
2016	May	2		942		942			0		0	942	7,026		7,026	17.77		17.77
2016	June	1		942		942			0		0	942	6,539		6,539	16.53		16.53
2016	July	9		951		951			0	0	0	951	6,263		6,263	15.85		15.85
2016	August	5		957		957			0	0	0	957	5,316		5,316	13.47		13.47
2016	September	12		968		968			0	0	0	968	4,711		4,711	11.96		11.96
2016	October	7		976		976			0	0	0	976	4,360		4,360	11.09		11.09
2016	November	23		999		999			0	0	0	999	4,162		4,162	10.63		10.63
2016	December	0		999		999			0		0	999	4,118		4,118	10.52		10.52

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2017	January	4	0	99		99	0	0	0		0	99
2017	February	3	0	102		102	0	0	0		0	102
2017	March	4	0	106		106	0	0	0		0	106
2017	April	1	0	107		107	0	0	0		0	107
2017	May	7	0	114		114	0	0	0		0	114
2017	June	1	0	115		115	0	0	0		0	115
2017	July	3	0	118		118	0	0	0		0	118
2017	August	15	0	133		133	0	0	0		0	133
2017	September	7	0	140		140	0	0	0		0	140
2017	October	8	0	148		148	0	0	0		0	148
2017	November	6	0	154		154	0	0	0		0	154
2017	December	0	0	154		154	0	0	0		0	154
2018	January	3	0	157		157	0	0	0		0	157
2018	February	10	0	167		167	0	0	0		0	167
2018	March	2	0	169		169	0	0	0		0	169
2018	April	4	0	173		173	0	0	0		0	173
2018	May	12	0	185		185	0	0	0		0	185
2018	June	6	0	191		191	0	0	0		0	191
2018	July	3	0	194		194	0	0	0		0	194
2018	August	9	0	203		203	1	0	1		1	204
2018	September	10	0	213		213	0	0	1		1	214
2018	October	12	0	225		225	0	0	1		1	226
2018	November	6	0	231		231	0	0	1		1	232
2018	December	14	0	245		245	0	0	1		1	246
2019	January	4	0	249		249	0	0	1		1	250
2019	February	4	0	253		253	0	0	1		1	254
2019	March	0	0	253		253	0	0	1		1	254
2019	April	0	0	253		253	0	0	1		1	254
2019	May	0	0	253		253	0	0	1		1	254
2019	June	0	0	253		253	0	0	1		1	254
2019	July	0	0	253		253	0	0	1	0	1	254
2019	August	0	0	253		253	0	0	1	0	1	254
2019	September	0	0	253		253	0	0	1	0	1	254
2019	October	0	0	253		253	0	0	1	0	1	254
2019	November	0	0	253		253	0	0	1	0	0	254
2019	December	0	0	253		253	0	0	1		0	254

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C.25 Non-residential Window Film (DSM III) - 2014-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2017	January	2,151		393,408		393,408			0		0	393,408
2017	February	15,587		408,995		408,995			0		0	408,995
2017	March	9,920		418,916		418,916			0		0	418,916
2017	April	12,845		431,760		431,760			0		0	431,760
2017	May	996		432,756		432,756			0		0	432,756
2017	June	3,250		436,006		436,006			0		0	436,006
2017	July	16,139		452,145		452,145			0		0	452,145
2017	August	40,373		492,518		492,518			0		0	492,518
2017	September	1,566		494,084		494,084			0		0	494,084
2017	October	6,398		500,482		500,482			0		0	500,482
2017	November	35,200		535,682		535,682			0		0	535,682
2017	December	130		535,813		535,813			0		0	535,813
2018	January	5,018		540,830		540,830			0		0	540,830
2018	February	-31		540,799		540,799			0		0	540,799
2018	March	429		541,228		541,228			0		0	541,228
2018	April	906		542,134		542,134			0		0	542,134
2018	May	333		542,467		542,467			0		0	542,467
2018	June	736		543,203		543,203			0		0	543,203
2018	July	274		543,476		543,476			0		0	543,476
2018	August	1,834		545,310		545,310	376		376		376	545,687
2018	September	1,432		546,743		546,743			376		376	547,119
2018	October	988		547,731		547,731			376		376	548,107
2018	November	790		548,520		548,520			376		376	548,897
2018	December	1,538		550,059		550,059			376		376	550,435
2019	January	260		550,318		550,318			376		376	550,695
2019	February	487		550,805		550,805			376		376	551,181
2019	March			550,805		550,805			376		376	551,181
2019	April			550,805		550,805			376		376	551,181
2019	May			550,805		550,805			376		376	551,181
2019	June			550,805		550,805			376		376	551,181
2019	July			550,805		550,805			376	0	376	551,181
2019	August			550,805		550,805			376	0	376	551,181
2019	September			550,805		550,805			376	0	376	551,181
2019	October			550,805		550,805			376	0	376	551,181
2019	November			550,805		550,805			376	0	0	551,181
2019	December			550,805		550,805			376		0	551,181

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2017	January	9		1,009		1,009			0		0	1,009	3,974		3,974	10.19		10.19
2017	February	54		1,062		1,062			0		0	1,062	4,010		4,010	10.41		10.41
2017	March	32		1,094		1,094			0		0	1,094	3,952		3,952	10.32		10.32
2017	April	42		1,136		1,136			0		0	1,136	4,035		4,035	10.62		10.62
2017	May	3		1,140		1,140			0		0	1,140	3,796		3,796	10.00		10.00
2017	June	16		1,156		1,156			0		0	1,156	3,791		3,791	10.05		10.05
2017	July	55		1,210		1,210			0		0	1,210	3,832		3,832	10.26		10.26
2017	August	116		1,326		1,326			0		0	1,326	3,703		3,703	9.97		9.97
2017	September	7		1,333		1,333			0		0	1,333	3,529		3,529	9.52		9.52
2017	October	29		1,362		1,362			0		0	1,362	3,382		3,382	9.20		9.20
2017	November	109		1,470		1,470			0		0	1,470	3,478		3,478	9.55		9.55
2017	December	1		1,471		1,471			0		0	1,471	3,479		3,479	9.55		9.55
2018	January	19		1,490		1,490			0		0	1,490	3,445		3,445	9.49		9.49
2018	February	1		1,491		1,491			0		0	1,491	3,238		3,238	8.93		8.93
2018	March	1		1,492		1,492			0		0	1,492	3,203		3,203	8.83		8.83
2018	April	3		1,495		1,495			0		0	1,495	3,134		3,134	8.64		8.64
2018	May	3		1,498		1,498			0		0	1,498	2,932		2,932	8.10		8.10
2018	June	3		1,501		1,501			0		0	1,501	2,844		2,844	7.86		7.86
2018	July	2		1,503		1,503			0		0	1,503	2,801		2,801	7.74		7.74
2018	August	7		1,510		1,510	1		1		1	1,510	2,686	376	2,675	7.44	0.74	7.40
2018	September	7		1,517		1,517			1		1	1,518	2,567	376	2,557	7.12	0.74	7.09
2018	October	4		1,521		1,521			1		1	1,521	2,434	376	2,425	6.76	0.74	6.73
2018	November	3		1,524		1,524			1		1	1,525	2,375	376	2,366	6.60	0.74	6.57
2018	December	4		1,528		1,528			1		1	1,529	2,245	376	2,238	6.24	0.74	6.22
2019	January	1		1,530		1,530			1		1	1,530	2,210	376	2,203	6.14	0.74	6.12
2019	February	1		1,531		1,531			1		1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	March			1,531		1,531			1		1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	April			1,531		1,531			1		1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	May			1,531		1,531			1		1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	June			1,531		1,531			1		1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	July			1,531		1,531			1	0	1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	August			1,531		1,531			1	0	1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	September			1,531		1,531			1	0	1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	October			1,531		1,531			1	0	1	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	November			1,531		1,531			1	0	0	1,532	2,177	376	2,170	6.05	0.74	6.03
2019	December			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03

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Table 1		Participation										
		Program Participants										
		VA					NC					System
Year	Month	VA Monthly New [A]	VA Monthly Retired [-A retired]	**VA Cum. for IRP (New + Retired)** [E] = Σ[A] + Σ[-A retired]	VA Rate Reset Adj. [B]	**VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [F] =Σ[A] + Σ[-A retired] + B	NC Monthly New [C]	NC Monthly Retired [-C retired]	**NC Cum. for IRP (New + Retired)** [G] = Σ[C] + Σ[-C retired]	NC Rate Reset Adj. [D]	**NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)** [H] = Σ[C] + Σ[-C retired] + D	**System Cum for IRP** E+G
2020	January	0	0	253		253	0	0	1		0	254
2020	February	0	0	253		253	0	0	1		0	254
2020	March	0	0	253		253	0	0	1		0	254
2020	April	0	0	253		253	0	0	1		0	254
2020	May	0	0	253		253	0	0	1		0	254
2020	June	0	0	253		253	0	0	1		0	254
2020	July	0	0	253		253	0	0	1		0	254
2020	August	0	0	253		253	0	0	1		0	254
2020	September	0	0	253		253	0	0	1		0	254
2020	October	0	0	253		253	0	0	1		0	254
2020	November	0	0	253		253	0	0	1		0	254
2020	December	0	0	253		253	0	0	1		0	254

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C.25 Non-residential Window Film (DSM III) - 2014-2020

Table 1		Energy Savings										
		Gross kWh										
		VA					NC					System
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New + Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP
2020	January			550,805		550,805			376		0	551,181
2020	February			550,805		550,805			376		0	551,181
2020	March			550,805		550,805			376		0	551,181
2020	April			550,805		550,805			376		0	551,181
2020	May			550,805		550,805			376		0	551,181
2020	June			550,805		550,805			376		0	551,181
2020	July			550,805		550,805			376		0	551,181
2020	August			550,805		550,805			376		0	551,181
2020	September			550,805		550,805			376		0	551,181
2020	October			550,805		550,805			376		0	551,181
2020	November			550,805		550,805			376		0	551,181
2020	December			550,805		550,805			376		0	551,181

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Table 1		Capacity Savings											Energy Savings / Participant			Capacity Savings / Participant		
		Gross kW											Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
		VA					NC					System						
Year	Month	VA Monthly New	VA Monthly Retired	VA Cum. for IRP (New+Retired)	VA Rate Reset Adj.	VA Cum. for Net Lost Revenue (NLR)	NC Monthly New	NC Monthly Retired	NC Cum. for IRP (New + Retired)	NC Rate Reset Adj.	NC Cum. for Net Lost Revenue (NLR) (New + Retired + Rate Reset Adj.)	System Cum for IRP	VA	NC	System	VA	NC	System
2020	January			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	February			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	March			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	April			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	May			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	June			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	July			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	August			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	September			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	October			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	November			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03
2020	December			1,531		1,531			1		0	1,532	2,177	376	2,170	6.05	0.74	6.03

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Table 2. EM&V Data Incremental by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			3		3			-		-	3
2015			22		22			-		-	22
2016			70		70			-		-	70
2017			59		59			-		-	59
2018			91		91			1		1	92
2019			8		8			-		-	8
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			3		3			-		-	3
2015			22		22			-		-	22
2016			70		70			-		-	70
2017			59		59			-		-	59
2018			91		91			1		1	92
2019			8		8			-		-	8
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Program Participants										
			VA PPI					NC PPI			System
2014			3					-			3
2015			25					-			25
2016			95					-			95
2017			151					-			151
2018			220					1			221
2019			158					1			159
2020			99					1			100

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Program Participants										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			3		3			-		-	3
2015			25		25			-		-	25
2016			95		95			-		-	95
2017			154		154			-		-	154
2018			245		245			1		1	246
2019			253		253			1		-	254
2020			253		253			1		-	254

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Program Participants										
			VA IRP					NC IRP			System IRP
2014			3					-			3
2015			25					-			25
2016			95					-			95
2017			154					-			154
2018			245					1			246
2019			253					1			254
2020			253					1			254
2021			253					1			254
2022			253					1			254
2023			253					1			254
2024			253					1			254
2025			253					1			254
2026			253					1			254
2027			253					1			254
2028			253					1			254
2029			253					1			254
2030			253					1			254

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Table 2. EM&V Data Incremental by Vintage Year

	Gross Incremental Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			96,483		96,483			-		-	96,483
2015			2,303,898		2,303,898			-		-	2,303,898
2016			291,593		291,593			-		-	291,593
2017			837,481		837,481			-		-	837,481
2018			102,751		102,751			1,882		1,882	104,633
2019			8,469		8,469			-		0	8,469
2020			-		-			-		-	-

Table 3. EM&V Data Annualized by Vintage Year

	Gross kWh										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			1,152,476		1,152,476			-		-	1,152,476
2015			3,077,815		3,077,815			-		-	3,077,815
2016			464,794		464,794			-		-	464,794
2017			1,734,665		1,734,665			-		-	1,734,665
2018			170,954		170,954			4,516		4,516	175,470
2019			8,956		8,956			-		-	8,956
2020			-		-			-		-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)

	Gross Energy (kWh) for PPI										
			VA PPI					NC PPI			System
2014			96,483					-			96,483
2015			3,456,374					-			3,456,374
2016			4,521,884					-			4,521,884
2017			4,380,091					-			4,380,091
2018			2,302,210					1,882			2,304,092
2019			1,914,088					4,516			1,918,604
2020			179,910					4,516			184,426

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)

	Gross Energy (kWh)										
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP
2014			96,483		96,483			0		0	96,483
2015			3,456,374		3,456,374			0		0	3,456,374
2016			4,521,884		4,521,884			0		0	4,521,884
2017			5,532,566		5,532,566			0		0	5,532,566
2018			6,532,501		6,532,501			1,882		1,882	6,534,383
2019			6,609,173		6,609,173			4,516		3,763	6,613,689
2020			6,609,660		6,609,660			4,516		0	6,614,176

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)

	Gross Energy (kWh)										
			VA IRP					NC IRP			System IRP
2014			96,483					-			96,483
2015			3,552,857					-			3,552,857
2016			8,074,741					-			8,074,741
2017			13,607,308					-			13,607,308
2018			20,139,808					1,882			20,141,690
2019			26,748,982					6,398			26,755,379
2020			33,358,642					10,914			33,369,555
2021			39,968,302					15,430			39,983,732
2022			46,577,962					19,945			46,597,908
2023			53,187,622					24,461			53,212,084
2024			59,700,799					28,977			59,729,777
2025			62,854,086					33,493			62,887,579
2026			64,941,861					38,009			64,979,871
2027			66,018,955					42,525			66,061,480
2028			66,096,114					45,160			66,141,274
2029			66,096,601					45,160			66,141,761
2030			66,096,601					45,160			66,141,761

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Table 2. EM&V Data Incremental by Vintage Year											Incremental Energy Savings/Participant			Incremental Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			233		233			-		-	233	32,161	-	32,161	77.71	-	77.71
2015			627		627			-		-	627	104,723	-	104,723	28.48	-	28.48
2016			140		140			-		-	140	4,166	-	4,166	2.00	-	2.00
2017			471		471			-		-	471	14,195	-	14,195	7.99	-	7.99
2018			58		58			1		1	58	1,129	1,882	1,137	0.63	0.74	0.63
2019			2		2			-		-	2	1,059	-	1,059	0.31	-	0.31
2020			-		-			-		-	-	-	-	-	-	-	-

Table 3. EM&V Data Annualized by Vintage Year											Annualized Energy Savings/Participant			Annualized Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			233		233			-		-	233	384,159	-	384,159	77.71	-	77.71
2015			627		627			-		-	627	139,901	-	139,901	28.48	-	28.48
2016			140		140			-		-	140	6,640	-	6,640	2.00	-	2.00
2017			471		471			-		-	471	29,401	-	29,401	7.99	-	7.99
2018			58		58			1		1	58	1,879	4,516	1,907	0.63	0.74	0.63
2019			2		2			-		-	2	1,119	-	1,119	0.31	-	0.31
2020			-		-			-		-	-	-	-	-	-	-	-

Table 4. EM&V Data Accumulated through Vintage Year (for PPI)											PPI Energy Savings/Participant			PPI Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant for IRP			Gross kW/Participant for IRP		
			VA PPI					NC PPI			System	VA	NC	System	VA	NC	System
2014			233					-			233		-			-	
2015			860					-			860		-			-	
2016			999					-			999		-			-	
2017			1,238					-			1,238		-			-	
2018			669					1			670		1,882			0.74	
2019			532					1			532		4,516			0.74	
2020			60					1			61		4,516			0.74	

Table 5. EM&V Data Accumulated through Vintage Year (for IRP and NLR)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP		VA NLR			NC IRP		NC NLR	System IRP	VA	NC	System	VA	NC	System
2014			233		233			-		-	233	32,161	-	32,161	77.71	-	77.71
2015			860		860			-		-	860	138,255	-	138,255	34.39	-	34.39
2016			999		999			-		-	999	47,599	-	47,599	10.52	-	10.52
2017			1,471		1,471			-		-	1,471	35,926	-	35,926	9.55	-	9.55
2018			1,528		1,528			1		1	1,529	26,663	1,882	26,563	6.24	0.74	6.22
2019			1,531		1,531			1		-	1,532	26,123	4,516	26,038	6.05	0.74	6.03
2020			1,531		1,531			1		-	1,532	26,125	4,516	26,040	6.05	0.74	6.03

Table 6. Cumulative EM&V Data through Vintage Year (Lifetime)											IRP Energy Savings/Participant			IRP Capacity Savings/Participant		
	Gross Peak Demand (kW)										Gross kWh/Participant			Gross kWh/Participant		
			VA IRP					NC IRP			System IRP	VA	NC	System	VA	NC	System
2014			233					-			233	32,161	-	32,161	77.71	-	77.71
2015			860					-			860	142,114	-	142,114	34.39	-	34.39
2016			999					-			999	84,997	-	84,997	10.52	-	10.52
2017			1,471					-			1,471	88,359	-	88,359	9.55	-	9.55
2018			1,528					1			1,529	82,203	1,882	81,877	6.24	0.74	6.22
2019			1,531					1			1,532	105,727	6,398	105,336	6.05	0.74	6.03
2020			1,531					1			1,532	131,852	10,914	131,376	6.05	0.74	6.03
2021			1,531					1			1,532	157,977	15,430	157,416	6.05	0.74	6.03
2022			1,531					1			1,532	184,103	19,945	183,456	6.05	0.74	6.03
2023			1,531					1			1,532	210,228	24,461	209,496	6.05	0.74	6.03
2024			1,531					1			1,532	235,972	28,977	235,157	6.05	0.74	6.03
2025			1,531					1			1,532	248,435	33,493	247,589	6.05	0.74	6.03
2026			1,531					1			1,532	256,687	38,009	255,826	6.05	0.74	6.03
2027			1,531					1			1,532	260,944	42,525	260,085	6.05	0.74	6.03
2028			1,531					1			1,532	261,249	45,160	260,399	6.05	0.74	6.03
2029			1,531					1			1,532	261,251	45,160	260,401	6.05	0.74	6.03
2030			1,531					1			1,532	261,251	45,160	260,401	6.05	0.74	6.03

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