

Electric Product Detailed Technical Assumptions																				Program Forecast Inputs				Stipulated Forecast Inputs			Program Forecast Outputs																					
Measure Description		High Efficiency Product Assumptions			Baseline Product Assumptions			Economic Assumptions				Stipulated Output						Economic Assumptions		Technical Assumption	2019		2020		2019			2020																				
Electric Measure Group	Electric Measure Description	Efficient Product Description / Rating	Efficient Product Consumption (watts)	Efficient Hours of Operation (hrs/yr)	Baseline Product Description / Rating	Baseline Product Consumption (watts)	Baseline Hours of Operation (hrs/yr)	Measure Lifetime (years)	Rebate Amount (\$)	Average Baseline Product Cost (\$)	Incremental Cost of Efficient Product (\$)	Assumed Energy Cost (\$/kWh)	Rebate as a % of Incremental Cost (%)	Incremental Cost Payback Period w/o Rebate (yrs)	Incremental Cost Payback Period w/ Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebated Cost / Cust kWh Saved (\$/kWh)	Rebated Lifetime cost / Cust kWh Saved (\$/kWh)	Customer kWh Savings (kWh)	Generator Peak kW Savings (kW)	Non-Energy DSM Savings (\$)	Energy DSM Savings (\$)	Coincidence Factor (%)	2019 Participants (-)	2019 Units (-)	2020 Participants (-)	2020 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2019 NET Gen kW (kW)	2019 NET Gen kWh (kWh)	2019 Rebate Budget (\$)	2019 Incremental Costs (\$)	2020 NET Gen kW (kW)	2020 NET Gen kWh (kWh)	2020 Rebate Budget (\$)	2020 Incremental Costs (\$)	Measure Load Shape									
TOTAL																				1,116	6,663	1,228	6,347	791	7,024,974	\$941,443	\$1,610,623	793	7,976,911	\$904,397	\$1,673,578																	
Multifamily Audit	Audit Services	Multifamily Building Audit		None					\$196.15	\$0	\$196.15	\$0.03	100%	#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!	0.0000	0.00	\$0.00	\$0.00	0%	256	1,500	0	0	100%	100%	100%	0	0	\$294,231	\$294,231	0	0	\$0	\$0	CO-BUS-FLAT									
Multifamily Audit	Audit Services	Multifamily Building Audit		None					\$201.50	\$0	\$201.50	\$0.03	100%	#DIV/0!	#DIV/0!	0	#DIV/0!	#DIV/0!	0.0000	0.00	\$0.00	\$0.00	0%	0	0	319	1,650	100%	100%	100%	0	0	\$0	\$0	0	0	\$332,474	\$332,474	CO-BUS-FLAT									
Multifamily Showerhead	Provide new 1.5 gpm showerhead to replace existing 2.5 gpm showerhead in electric DWH heater	1.5 GPM Showerhead	94	8,760	2.5 GPM Showerhead	157	8,760	10.00	\$14.00	\$0	\$14.00	\$0.12	100%	0.15	-	550	\$0.025	\$0.003	0.06	0.04	\$29.53	\$0.00	64%	13	64	14	70	100%	100%	100%	3	37,573	\$986	\$986	3	41,336	\$986	\$986	CO-RES-GFMFLOW									
Multifamily Kitchen Aerator	Provide Energy Efficient Kitchen Aerator - 1.5 GPM to replace existing 2.2 gpm aerator in home with electric DWH heater	1.5 GPM Kitchen Faucet Aerator	17	8,760	2.2 GPM Kitchen Faucet Aerator	25	8,760	10.00	\$5.00	\$0	\$5.00	\$0.12	100%	0.42	-	70	\$0.071	\$0.007	0.01	0.01	\$3.38	\$0.00	134%	5	24	5	26	100%	100%	100%	0	1,800	\$120	\$120	0	1,980	\$132	\$132	CO-RES-GFMFLOW									
Multifamily Bathroom 1.0GPM Aerator	Provide Energy Efficient Bath Faucet Aerator - 1.0 GPM to replace existing 2.2 gpm aerator in home with electric DWH heater	1.0 GPM Bathroom Faucet Aerator	6	8,760	2.2 GPM Bathroom Faucet Aerator	14	8,760	10.00	\$4.00	\$0	\$4.00	\$0.12	100%	0.35	-	65	\$0.061	\$0.006	0.01	0.01	\$3.50	\$0.00	134%	6	30	6	33	100%	100%	100%	0	2,080	\$120	\$120	0	2,299	\$132	\$132	CO-RES-GFMFLOW									
Multifamily Bathroom 0.5 GPM Aerator	Provide Energy Efficient Bath Faucet Aerator - 0.5 GPM to replace existing 2.2 gpm aerator in home with electric DWH heater	0.5 GPM Bathroom Faucet Aerator	3	8,760	2.2 GPM Bathroom Faucet Aerator	14	8,760	10.00	\$4.00	\$0	\$4.00	\$0.12	100%	0.25	-	92	\$0.043	\$0.004	0.01	0.01	\$4.96	\$0.00	134%	0	0	0	0	100%	100%	100%	0	0	\$0	\$0	0	0	\$0	\$0	CO-RES-GFMFLOW									
Direct Install - LED Exit Sign	Exit sign retrofit	LED/ECG Exit Sign	2	8,760	Incandescent Exit Sign	37	8,760	30.00	\$25.00	\$0	\$25.00	\$0.06	100%	1.54	-	304	\$0.082	\$0.004	0.03	0.04	\$0.00	-\$0.80	100%	0	0	0	0	100%	100%	100%	0	0	\$0	\$0	0	0	\$0	\$0	CO-BUS-FLAT									
Prescriptive or Custom Project	Average Project	More Efficient than Code Building	27,423	8,700	Code-Compliant Building	34,279	8,700	30.00	\$3,870.00	\$0	\$9,325.74	\$0.06	41%	3.39	2.01	45,934	\$0.084	\$0.004	6.86	5.09	\$76.86	\$0.00	69%	27	136	26	136	100%	100%	100%	693	6,598,899	\$526,320	\$1,295,500	693	6,598,899	\$526,320	\$1,295,500	CO-BUS-FLAT									
Direct Install - Low-Flow Showerhead	Install Efficient Showerhead 1.25GPM	Low Flow Showerhead - 1.25 GPM	66	8,760	Federal Minimum Standard flow rate - 2.5 GPM	131	8,760	10.00	\$14.00	\$0	\$14.00	\$0.12	100%	0.14	-	576	\$0.024	\$0.002	0.07	0.05	\$30.92	\$0.00	64%	6	29	6	29	100%	100%	100%	1	17,831	\$406	\$406	1	17,831	\$406	\$406	CO-RES-GFMFLOW									
Direct Install - Kitchen Faucet Aerator	Install Efficient Kitchen Faucet Aerator 1.0GPM	1 GPM low rate aerator	8	8,760	Federal Minimum Standard flow rate - 2.2 GPM	19	8,760	10.00	\$5.00	\$0	\$5.00	\$0.12	100%	0.33	-	89	\$0.056	\$0.006	0.01	0.01	\$4.43	\$0.00	124%	764	3,870	749	3,870	100%	100%	100%	53	366,383	\$19,350	\$19,350	53	366,383	\$19,350	\$19,350	CO-RES-GFMFLOW									
Energy Star Smart Thermostat	Install Energy Star certified smart thermostat - AC & GAS	Energy Star Certified Thermostat	5,943	765	Manual or programmable thermostat	8,531	765	10.00	\$12.80	\$0	\$12.80	\$0.28	100%	0.10	-	450	\$0.028	\$0.003	0.59	0.00	\$0.00	\$0.00	0%	0	0	4	20	100%	100%	100%	0	0	\$0	\$0	0	9,499	\$252	\$252	CO-BUS-COOL_OUT									
Energy Star Smart Thermostat	Install Energy Star certified smart thermostat - AC ONLY	Energy Star Certified Thermostat	5,943	765	Manual or programmable thermostat	8,531	765	10.00	\$14.26	\$0	\$14.26	\$0.28	100%	0.11	-	450	\$0.032	\$0.003	0.59	0.00	\$0.00	\$0.00	0%	0	0	1	6	100%	100%	100%	0	0	\$0	\$0	0	2,850	\$86	\$86	CO-BUS-COOL_OUT									
Energy Star Smart Thermostat	Install Energy Star certified smart thermostat - AC & ELEC HEAT	Energy Star Certified Thermostat	5,943	1,293	Manual or programmable thermostat	8,531	1,293	10.00	\$22.86	\$0	\$22.86	\$0.18	100%	0.16	-	754	\$0.030	\$0.003	0.59	0.00	\$0.00	\$0.00	0%	0	0	1	6	100%	100%	100%	0	0	\$0	\$0	0	4,779	\$136	\$136	CO-BUS-COOL_OUT									
Energy Star Smart Thermostat	Install Energy Star certified smart thermostat - Combo Customer	Average Multifamily Unit with EnergyStar Smart Thermostat	913	973	Average Multiple Family House with Standard Thermostat	1,015	973	10.00	\$48.25	\$0	\$48.25	\$0.12	100%	6.87	-	58	\$0.830	\$0.083	0.10	0.08	\$0.00	\$0.00	76%	0	0	97	500	100%	100%	100%	0	0	\$0	\$0	42	31,055	\$24,123	\$24,123	CO-Res_Cooling_DX									
Direct Install - LED	Replace incandescent lamps with LEDs	100w LED	38	360	Incandescent 100w	46	360	1,000	\$4.50	\$0	\$4.50	\$0.12	100%	1.07	-----	56	\$0.164	\$0.004	0.00562	0.09	\$0.00	\$0.00	100%	4,499	4,499	4,499	4,499	100%	100%	100%	594	4,432,898	\$607,449	\$607,449	643	4,436,598	\$704,289	\$704,289	CO-BUS-FLAT									
Direct Install - LED	Replace incandescent lamps with LEDs	100w LED	9	360	Incandescent 100w	11	360	1,000	\$5.00	\$0.00	\$5.00	\$0.12	100%	1.24	-	34	\$0.149	\$0.007	0.03	0.00	\$0.00	\$0.00	100%	0	0	744	80,342	100%	100%	100%	0	0	\$0	\$0	379	2,876,508	\$401,711	\$401,711	CO-BUS-FLAT									
Direct Install - LED	Replace Compact Fluorescent Lamps (CFLs) with LEDs	20w CFL	9	360	Incandescent 20w	11	360	1,000	\$5.00	\$0.00	\$5.00	\$0.12	100%	1.20	-	34	\$0.145	\$0.032	0.03	0.00	\$0.00	\$0.00	100%	0	0	462	43,828	100%	100%	100%	0	0	\$0	\$0	242	1,833,451	\$248,130	\$248,130	CO-BUS-FLAT									
Direct Install - LED	Replace incandescent lamps with LEDs	100w CFL	9	360	Incandescent 100w	11	360	1,000	\$5.00	\$0.00	\$5.00	\$0.12	100%	7.58	-	5	\$0.915	\$0.046	0.01	0.00	\$0.00	\$0.00	100%	0	0	74	8,034	100%	100%	100%	0	0	\$0	\$0	6	46,872	\$40,171	\$40,171	CO-BUS-FLAT									
Direct Install - LED	Replace Compact Fluorescent Lamps (CFLs) with LEDs	20w CFL	9	360	Incandescent 20w	11	360	1,000	\$5.00	\$0.00	\$5.00	\$0.12	100%	5.69	-	7	\$0.687	\$0.070	0.01	0.00	\$0.00	\$0.00	100%	0	0	46	4,983	100%	100%	100%	0	0	\$0	\$0	5	38,716	\$24,913	\$24,913	CO-BUS-FLAT									