

Program Year	Measure	BPA reference number (if applicable)	# of low- income units/households	Per unit annual kWh savings (from RTF**)	Estimated Useful Life (EUL) (from RTF)	Rate (\$/kWh)	Annual bill savings (= kWh savings* rate*# of units)	Lifetime bill savings (= net present value (discount rate***; annual value))
2019	Air Sealing - Mechanical Ventilation_MF_TE		104	143.00	10	\$ 0.1059	\$ 1,574.94	\$ 13,434.60
2019	Air Sealing - MF Package_MF_TE		230	867.88	30	\$ 0.1059	\$ 21,138.91	\$ 414,331.98
2019	Attic Insulation (R0 to R22)_MH_TE		14	495.85	25	\$ 0.1059	\$ 735.15	\$ 12,801.30
2019	Attic Insulation (R0 to R30)_MH_TE		35	316.75	25	\$ 0.1059	\$ 1,174.03	\$ 20,443.53
2019	Attic Insulation (R0 to R38)_MF_TE		9	231.43	45	\$ 0.1059	\$ 220.58	\$ 5,408.26
2019	Attic Insulation (R0 to R38)_SF_TE		6	1,924.88	45	\$ 0.1059	\$ 1,223.07	\$ 29,987.99
2019	Attic Insulation (R0 to R49)_MF_TE		60	262.03	45	\$ 0.1059	\$ 1,664.93	\$ 40,822.05
2019	Attic Insulation (R0 to R49)_SF_TE		10	2,055.65	45	\$ 0.1059	\$ 2,176.93	\$ 53,375.55
2019	Attic Insulation (R11 to R38)_SF_TE		5	563.68	45	\$ 0.1059	\$ 298.47	\$ 7,318.06
2019	Attic Insulation (R11 to R49)_SF_TE		21	610.24	45	\$ 0.1059	\$ 1,357.11	\$ 33,274.66
2019	Attic Insulation (R19 to R38)_SF_TE		8	222.75	45	\$ 0.1059	\$ 188.71	\$ 4,627.02
2019	Attic Insulation (R19 to R49)_MF_TE		144	105.59	45	\$ 0.1059	\$ 1,610.15	\$ 39,478.73
2019	Duct Insulation (R0-R11)_SF_TE		6	385.18	30	\$ 0.1059	\$ 244.74	\$ 4,797.02
2019	Duct Sealing_MH_SH		1	1,543.00	18	\$ 0.1059	\$ 163.40	\$ 2,247.37
2019	Duct Sealing_MH_TE		7	(881.71)	18	\$ 0.1059	\$ (653.61)	\$ (8,989.50)
2019	Duct Sealing_SF_TE		7	749.29	20	\$ 0.1059	\$ 555.45	\$ 8,263.63
2019	Ductless Heat Pump_MF_TE		68	2,619.94	15	\$ 0.1059	\$ 18,866.69	\$ 225,229.28
2019	Ductless Heat Pump_MH_TE		269	3,343.04	15	\$ 0.1059	\$ 95,233.52	\$ 1,136,891.53
2019	Ductless Heat Pump_SF_TE		155	3,156.54	15	\$ 0.1059	\$ 51,812.99	\$ 618,540.12
2019	EnergyStar Whole House Ventilation_MF_TE		122	141.83	10	\$ 0.1059	\$ 1,832.39	\$ 15,630.64
2019	EnergyStar Whole House Ventilation_MH_TE		113	143.00	10	\$ 0.1059	\$ 1,711.24	\$ 14,597.21
2019	EnergyStar Whole House Ventilation_SF_TE		98	191.15	10	\$ 0.1059	\$ 1,983.82	\$ 16,922.43
2019	Faucet Aerator_MH_TE		5	67.14	10	\$ 0.1059	\$ 35.55	\$ 303.25
2019	Faucet Aerator_SF_TE		1	19.40	10	\$ 0.1059	\$ 2.05	\$ 17.52
2019	Floor Insulation (R0-R19)_MF_TE		16	923.13	45	\$ 0.1059	\$ 1,564.15	\$ 38,350.98
2019	Floor Insulation (R0-R19)_SF_TE		10	773.64	45	\$ 0.1059	\$ 819.28	\$ 20,087.81
2019	Floor Insulation (R0-R22)_MH_TE		49	569.70	25	\$ 0.1059	\$ 2,956.24	\$ 51,477.38
2019	Floor Insulation (R0-R30)_MF_TE		92	464.37	45	\$ 0.1059	\$ 4,524.28	\$ 110,929.44
2019	Floor Insulation (R0-R30)_MH_TE		37	600.64	25	\$ 0.1059	\$ 2,353.50	\$ 40,981.78
2019	Floor Insulation (R0-R30)_SF_TE		33	966.14	45	\$ 0.1059	\$ 3,376.37	\$ 82,784.36
2019	Floor Insulation (R11-R22)_MH_TE		19	243.00	25	\$ 0.1059	\$ 488.94	\$ 8,513.99
2019	Floor Insulation (R11-R30)_MF_TE		4	203.28	45	\$ 0.1059	\$ 86.11	\$ 2,111.29
2019	LED A Lamp_MH_TE		69	248.64	12	\$ 0.1059	\$ 1,816.83	\$ 18,084.74
2019	LED A Lamp_SF_TE		82	289.63	12	\$ 0.1059	\$ 2,515.11	\$ 25,035.38
2019	LED Globe_MH_TE		11	95.38	12	\$ 0.1059	\$ 111.11	\$ 1,106.01
2019	LED Globe_SF_TE		28	115.00	12	\$ 0.1059	\$ 341.00	\$ 3,394.32
2019	MH Replacement - ES w/HP - Double to Double - Pre 1976_MH_TE		1	8,615.00	41	\$ 0.1059	\$ 912.33	\$ 21,359.80
2019	Pipe Insulation_MH_TE		81	20.00	15	\$ 0.1059	\$ 171.56	\$ 2,048.05
2019	Pipe Insulation_SF_TE		38	20.00	15	\$ 0.1059	\$ 80.48	\$ 960.81
2019	Refrigerator Replacement_MH_TE		19	503.00	15	\$ 0.1059	\$ 1,012.09	\$ 12,082.22
2019	Refrigerator Replacement_SF_TE		15	503.00	15	\$ 0.1059	\$ 799.02	\$ 9,538.60
2019	Shell Sealing_MH_TE		110	176.26	25	\$ 0.1059	\$ 2,053.21	\$ 35,752.78
2019	Shell Sealing_SF_TE		57	374.45	20	\$ 0.1059	\$ 2,260.28	\$ 33,627.21
2019	Showerhead - 1.5 GPM_MH_TE		3	235.00	3	\$ 0.1059	\$ 74.66	\$ 211.18
2019	Showerhead - 1.5 GPM_SF_TE		2	235.00	3	\$ 0.1059	\$ 49.77	\$ 140.79
2019	SIR Air Sealing (MF Package 20+)_MF_TE		172	317.30	30	\$ 0.1059	\$ 5,779.49	\$ 113,280.60
2019	SIR DHP_MF_TE		105	1,381.11	15	\$ 0.1059	\$ 15,357.21	\$ 183,333.32
2019	SIR Heat Pump_MH_TE		7	6,167.66	15	\$ 0.1059	\$ 4,572.09	\$ 54,581.28
2019	SIR Heat Pump_SF_TE		2	4,561.50	15	\$ 0.1059	\$ 966.13	\$ 11,533.55
2019	Thermostat - Electronic Line Voltage_MF_TE		28	49.00	15	\$ 0.1059	\$ 145.29	\$ 1,734.52
2019	Thermostat - Electronic Line Voltage_SF_TE		3	49.00	15	\$ 0.1059	\$ 15.57	\$ 185.84
2019	Thermostat - Energy Star Smart_MH_TE		1	502.00	11	\$ 0.1059	\$ 53.16	\$ 491.89
2019	Thermostat - Energy Star Smart_SF_TE		1	502.00	11	\$ 0.1059	\$ 53.16	\$ 491.89
2019	Wall Insulation (R0-R11)_MF_TE		183	385.36	45	\$ 0.1059	\$ 7,468.12	\$ 183,108.77
2019	Wall Insulation (R0-R11)_MH_TE		1	68.70	25	\$ 0.1059	\$ 7.28	\$ 126.69
2019	Wall Insulation (R0-R11)_SF_TE		20	1,252.70	45	\$ 0.1059	\$ 2,653.23	\$ 65,053.76
2019	Windows - Early Double to EF Double_MF_TE		104	713.44	45	\$ 0.1059	\$ 7,857.52	\$ 192,656.21
2019	Windows - Early Double to EF Double_MH_TE		1	137.18	25	\$ 0.1059	\$ 14.53	\$ 252.97
2019	Windows - Single to Double Pane_MH_TE		13	781.51	25	\$ 0.1059	\$ 1,075.91	\$ 18,734.91
2019	Windows - Single to Double Pane_SF_TE		4	1,607.49	45	\$ 0.1059	\$ 680.93	\$ 16,695.59