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)]
2020	Air Sealing - Mechanical Ventilation_MF_TE		90	131.00	10	$ 0.1081	$ 1,274.50	$ 10,871.73
2020	Air Sealing - MF Package_MF_TE		160	612.00	30	$ 0.1081	$ 10,585.15	$ 207,473.65
2020	Attic Insulation (R0 to R22)_MH_TE		5	618.91	25	$ 0.1081	$ 334.52	$ 5,825.08
2020	Attic Insulation (R0 to R30)_MH_TE		23	339.01	25	$ 0.1081	$ 842.88	$ 14,677.22
2020	Attic Insulation (R0 to R38)_SF_TE		1	1,002.14	45	$ 0.1081	$ 108.33	$ 2,656.14
2020	Attic Insulation (R0 to R49)_MF_TE		58	426.11	45	$ 0.1081	$ 2,671.65	$ 65,505.45
2020	Attic Insulation (R0 to R49)_SF_TE		10	1,729.09	45	$ 0.1081	$ 1,869.15	$ 45,829.14
2020	Attic Insulation (R0 to R49) (MF 2-4)_MF_TE		28	1,445.67	45	$ 0.1081	$ 4,375.76	$ 107,288.07
2020	Attic Insulation (R11 to R38)_SF_TE		3	232.40	45	$ 0.1081	$ 75.37	$ 1,847.91
2020	Attic Insulation (R11 to R49)_SF_SH		3	137.81	45	$ 0.1081	$ 44.69	$ 1,095.81
2020	Attic Insulation (R11 to R49)_SF_TE		8	400.38	45	$ 0.1081	$ 346.25	$ 8,489.52
2020	Attic Insulation (R11 to R49) (MF 2-4)_MF_TE		172	142.48	45	$ 0.1081	$ 2,649.20	$ 64,955.03
2020	Attic Insulation (R19 to R49)_MF_TE		60	117.02	45	$ 0.1081	$ 759.02	$ 18,610.24
2020	Duct Insulation (R0-R11)_SF_TE		3	333.25	30	$ 0.1081	$ 108.07	$ 2,118.28
2020	Duct Sealing_MH_TE		17	440.47	18	$ 0.1081	$ 809.45	$ 11,132.82
2020	Duct Sealing_SF_TE		3	1,254.00	20	$ 0.1081	$ 406.67	$ 6,050.26
2020	Ductless Heat Pump_MF_TE		56	1,276.79	15	$ 0.1081	$ 7,729.15	$ 92,270.09
2020	Ductless Heat Pump_MH_TE		41	2,696.00	15	$ 0.1081	$ 11,948.94	$ 142,645.69
2020	Ductless Heat Pump_SF_TE		48	2,066.00	15	$ 0.1081	$ 10,720.06	$ 127,975.39
2020	Ductless Heat Pump (MF 2-4)_MF_TE		157	2,066.00	15	$ 0.1081	$ 35,063.53	$ 418,586.17
2020	EnergyStar Whole House Ventilation_MH_TE		44	131.00	10	$ 0.1081	$ 623.09	$ 5,315.07
2020	EnergyStar Whole House Ventilation_SF_TE		35	153.46	10	$ 0.1081	$ 580.61	$ 4,952.68
2020	Faucet Aerator_MH_TE		2	73.20	10	$ 0.1081	$ 15.83	$ 135.00
2020	Floor Insulation (R0-R19)_SF_TE		5	470.80	45	$ 0.1081	$ 254.47	$ 6,239.19
2020	Floor Insulation (R0-R22)_MH_TE		11	490.40	25	$ 0.1081	$ 583.14	$ 10,154.25
2020	Floor Insulation (R0-R30)_MF_TE		48	758.45	45	$ 0.1081	$ 3,935.46	$ 96,492.37
2020	Floor Insulation (R0-R30)_MH_TE		23	483.19	25	$ 0.1081	$ 1,201.36	$ 20,919.51
2020	Floor Insulation (R0-R30)_SF_TE		15	738.25	45	$ 0.1081	$ 1,197.08	$ 29,350.81
2020	Floor Insulation (R11-R22)_MH_TE		8	201.40	25	$ 0.1081	$ 174.17	$ 3,032.86
2020	Heat Pump_MH_TE		10	3,172.00	15	$ 0.1081	$ 3,428.93	$ 40,934.37
2020	Heat Pump Water Heater Tier 3_SF_TE		1	1,225.00	13	$ 0.1081	$ 132.42	$ 1,408.31
2020	MH Replacement - ES w/HP - Single to Single - Pre 1976_MH_TE		2	8,471.00	41	$ 0.1081	$ 1,831.43	$ 42,878.18
2020	Pipe Insulation_MF_TE		2	10.34	15	$ 0.1081	$ 2.24	$ 26.69
2020	Pipe Insulation_MH_TE		22	20.68	15	$ 0.1081	$ 49.18	$ 587.12
2020	Pipe Insulation_SF_TE		13	20.68	15	$ 0.1081	$ 29.06	$ 346.94
2020	Refrigerator Replacement_MH_TE		14	580.00	15	$ 0.1081	$ 877.77	$ 10,478.79
2020	Refrigerator Replacement_SF_TE		5	580.00	15	$ 0.1081	$ 313.49	$ 3,742.42
2020	Shell Sealing_MH_TE		39	155.05	25	$ 0.1081	$ 653.69	$ 11,382.71
2020	Shell Sealing_SF_TE		20	394.29	15	$ 0.1081	$ 852.45	$ 10,176.55
2020	SIR Heat Pump_MH_TE		1	8,444.00	15	$ 0.1081	$ 912.80	$ 10,896.90
2020	SIR Heat Pump_SF_TE		4	10,493.75	15	$ 0.1081	$ 4,537.50	$ 54,168.35
2020	SIR Structure Sealing_MF_TE		48	971.13	45	$ 0.1081	$ 5,038.97	$ 123,549.14
2020	SIR Structure Sealing_SF_TE		1	2,579.00	15	$ 0.1081	$ 278.79	$ 3,328.18
2020	SIR Thermostat_MF_TE		76	133.11	15	$ 0.1081	$ 1,093.54	$ 13,054.60
2020	Thermostat - Energy Star Smart_MH_TE		1	502.00	11	$ 0.1081	$ 54.27	$ 502.10
2020	Wall Insulation (R0-R11)_MF_TE		58	618.35	45	$ 0.1081	$ 3,876.91	$ 95,056.82
2020	Wall Insulation (R0-R11)_MH_TE		3	74.81	25	$ 0.1081	$ 24.26	$ 422.44
2020	Wall Insulation (R0-R11)_SF_TE		11	985.87	45	$ 0.1081	$ 1,172.30	$ 28,743.19
2020	Wall Insulation (R0-R11) (MF 2-4)_MF_TE		78	337.45	45	$ 0.1081	$ 2,845.29	$ 69,762.96
2020	Windows - Double to Triple Pane_MF_TE		15	1,662.10	45	$ 0.1081	$ 2,695.10	$ 66,080.26
2020	Windows - Double to Triple Pane (MF 2-4)_MF_TE		13	843.23	45	$ 0.1081	$ 1,184.99	$ 29,054.48
2020	Windows - Single to Double Pane_MH_TE		5	1,205.58	45	$ 0.1081	$ 651.62	$ 15,976.84
2020	Windows - Single to Double Pane_SF_TE		2	655.34	45	$ 0.1081	$ 141.68	$ 3,473.92
2020	Windows - Single to Double Pane (MF 2-4)_MF_TE		2	954.80	45	$ 0.1081	$ 206.43	$ 5,061.34