

**Attachment I-1
Rhode Island Energy
Summary of Residential Measures**

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
Identifiers					Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)		
Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions	
1	Electric	Residential New Construction	Clothes Washer	per unit of measure	110	\$0.00	\$0	2.1	29.9	1.5	1.4	0.0	0.0	0.5	2.0
2	Electric	Residential New Construction	Codes and Standards	per unit of measure	1	\$0.00	\$0	248.4	4,967.9	0.0	0.0	0.0	0.0	53.7	235.2
3	Electric	Residential New Construction	Cooling - Tier 1	per unit of measure	105	\$0.00	\$0	10.1	251.8	0.0	1.4	0.0	0.0	2.2	9.5
4	Electric	Residential New Construction	Cooling - Tier 2	per unit of measure	72	\$0.00	\$0	7.5	186.7	0.0	1.0	0.0	0.0	1.6	7.1
5	Electric	Residential New Construction	Cooling - Tier 3	per unit of measure	9	\$0.00	\$0	1.1	28.7	0.0	0.3	0.0	0.0	0.2	1.1
6	Electric	Residential New Construction	CP - Cooling	per unit of measure	11	\$0.00	\$0	1.6	41.0	0.0	1.3	0.0	0.0	0.4	1.6
7	Electric	Residential New Construction	CP - DHW	per unit of measure	11	\$0.00	\$0	4.1	62.0	0.0	0.0	0.0	0.0	0.9	3.9
8	Electric	Residential New Construction	CP - Heating	per unit of measure	11	\$843.00	\$9,273	14.5	361.9	7.6	0.0	0.0	0.0	9.8	180.2
9	Electric	Residential New Construction	DHW - Tier 1	per unit of measure	105	\$0.00	\$0	3.4	50.4	0.0	0.8	0.0	0.0	0.7	3.2
10	Electric	Residential New Construction	DHW - Tier 2	per unit of measure	72	\$0.00	\$0	2.4	35.3	0.0	1.6	0.0	0.0	0.5	2.2
11	Electric	Residential New Construction	DHW - Tier 3	per unit of measure	9	\$0.00	\$0	0.3	4.7	0.0	0.2	0.0	0.0	0.1	0.3
12	Electric	Residential New Construction	Dishwasher	per unit of measure	320	\$0.00	\$0	1.1	12.4	0.1	0.1	0.0	0.0	0.2	1.1
13	Electric	Residential New Construction	Heating - Tier 1	per unit of measure	105	\$1,547.00	\$162,435	53.7	1,342.9	4.9	0.0	0.0	0.0	26.2	415.7
14	Electric	Residential New Construction	Heating - Tier 2	per unit of measure	72	\$5,203.00	\$374,616	81.6	2,040.4	7.6	0.0	0.0	0.0	40.7	654.1
15	Electric	Residential New Construction	Heating - Tier 3	per unit of measure	9	\$8,233.00	\$74,097	15.0	375.8	2.6	0.0	0.0	0.0	8.1	135.2
16	Electric	Residential New Construction	Refrigerators	per unit of measure	430	\$0.00	\$0	18.9	227.2	3.4	3.0	0.0	0.0	4.1	17.9
17	Electric	Residential New Construction	Renovation Rehab - Cooling Tier 1, Elec	per unit of measure	30	\$0.00	\$0	11.5	288.6	4.5	1.2	0.0	0.0	39.8	944.7
18	Electric	Residential New Construction	Renovation Rehab - Cooling Tier 2, Elec	per unit of measure	21	\$0.00	\$0	32.8	820.9	2.4	0.6	0.0	0.0	16.4	264.3
19	Electric	Residential New Construction	Renovation Rehab - Cooling Tier 3, Elec	per unit of measure	2	\$0.00	\$0	4.2	104.7	1.2	0.3	0.0	0.0	0.9	4.0
20	Electric	Residential New Construction	Renovation Rehab - DHW Tier 1, Elec	per unit of measure	30	\$0.00	\$0	11.5	173.1	4.5	1.2	0.0	0.0	39.9	571.4
21	Electric	Residential New Construction	Renovation Rehab - DHW Tier 2, Elec	per unit of measure	21	\$0.00	\$0	32.8	492.5	2.4	0.6	0.0	0.0	16.4	171.0
22	Electric	Residential New Construction	Renovation Rehab - DHW Tier 3, Elec	per unit of measure	2	\$0.00	\$0	4.2	62.8	1.2	0.3	0.0	0.0	0.9	4.0
23	Electric	Residential New Construction	Renovation Rehab - Heating Tier 1, Elec	per unit of measure	30	\$2,006.00	\$60,180	11.5	288.6	4.5	1.2	0.0	0.0	40.0	948.2
24	Electric	Residential New Construction	Renovation Rehab - Heating Tier 2, Elec	per unit of measure	21	\$2,953.00	\$62,013	32.8	820.8	2.4	0.6	0.0	0.0	16.5	265.1
25	Electric	Residential New Construction	Renovation Rehab - Heating Tier 3, Elec	per unit of measure	2	\$15,104.00	\$30,208	4.2	104.7	1.2	0.3	0.0	0.0	0.9	4.0
26	Electric	Residential New Construction	Renovation Rehab CP - Cooling, Elec	per unit of measure	3	\$0.00	\$0	2.1	52.7	0.1	0.0	0.0	0.0	0.5	2.0
27	Electric	Residential New Construction	Renovation Rehab CP - DHW, Elec	per unit of measure	3	\$0.00	\$0	2.1	52.7	0.1	0.0	0.0	0.0	0.5	2.0
28	Electric	Residential New Construction	Renovation Rehab CP - Heating, Elec	per unit of measure	3	\$843.00	\$2,529	2.1	52.7	0.1	0.0	0.0	0.0	0.5	2.0

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(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
Portfolio	Program	Identifiers			Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)		
		Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions	
29	Electric	Residential New Construction	Showerheads	per unit of measure	11	\$0.00	\$0	2.6	39.7	0.6	0.4	0.0	0.0	0.6	2.5
30	Electric	Residential HVAC	ACDOWNSIZE	per unit of measure	60	\$150.00	\$9,000	10.4	186.4	0.0	5.3	0.0	0.0	2.2	9.8
31	Electric	Residential HVAC	Central Heat Pump	per unit of measure	592	\$1,050.00	\$621,600	794.2	15,884.0	15.0	114.2	0.0	0.0	171.7	751.9
32	Electric	Residential HVAC	CoolSmart AC QIV ES	per unit of measure	61	\$175.00	\$10,675	2.2	38.9	0.0	1.3	0.0	0.0	0.5	2.0
33	Electric	Residential HVAC	CoolSmart HP QIV ES	per unit of measure	18	\$175.00	\$3,150	4.2	75.7	1.0	0.4	0.0	0.0	0.9	4.0
34	Electric	Residential HVAC	CoolSmart HP Tuneup	per unit of measure	442	\$200.00	\$88,400	133.0	664.9	96.5	40.5	0.0	0.0	28.7	111.5
35	Electric	Residential HVAC	ECM Pumps	per unit of measure	6,079	\$100.00	\$607,900	457.1	6,857.1	181.0	0.0	0.0	0.0	98.8	432.8
36	Electric	Residential HVAC	Electric Resistance to MSHP	per unit of measure	375	\$3,250.00	\$1,218,750	2,222.6	37,783.6	672.3	0.0	0.0	0.0	480.4	2,104.2
37	Electric	Residential HVAC	HPWH, Electric - <55 gallon	per unit of measure	95	\$625.00	\$59,375	151.6	2,273.7	10.3	6.5	0.0	0.0	32.8	143.5
38	Electric	Residential HVAC	HPWH, Electric - >55 gallon, UEF 2.70	per unit of measure	179	\$150.00	\$26,850	60.1	900.9	4.1	2.6	0.0	0.0	13.0	56.9
39	Electric	Residential HVAC	Mini Split Heat Pump QIV	per unit of measure	526	\$120.00	\$63,120	43.3	735.9	9.5	3.5	0.0	0.0	9.4	41.0
40	Electric	Residential HVAC	MiniSplit HP	per unit of measure	2,250	\$460.00	\$1,035,000	1,150.1	19,552.4	205.1	89.3	0.0	0.0	248.6	1,088.9
41	Electric	Residential HVAC	WiFi programmable thermostat with cooling (oil)	per unit of measure	725	\$75.00	\$54,375	12.9	142.1	0.0	7.5	0.0	0.0	134.4	1,460.0
42	Electric	Residential HVAC	WiFi Thermostat, AC Only	per unit of measure	1,492	\$75.00	\$111,900	95.1	1,046.4	0.0	25.8	0.0	0.0	20.6	90.1
43	Electric	Residential HVAC	Window Replacement -Electric Resistance	per unit of measure	20	\$75.00	\$1,500	2.5	42.8	1.1	0.8	0.0	0.0	0.5	2.4
44	Electric	Residential HVAC	Window Replacement -Heat Pump	per unit of measure	20	\$75.00	\$1,500	1.3	22.5	0.2	0.4	0.0	0.0	0.3	1.3
45	Electric	Residential HVAC	Window Replacement -Oil	per unit of measure	20	\$75.00	\$1,500	0.1	2.3	0.0	0.1	0.0	0.0	0.8	13.0
46	Electric	Residential HVAC	Window Replacement -Propane	per unit of measure	20	\$75.00	\$1,500	0.1	2.3	0.0	0.1	0.0	0.0	0.8	13.5
47	Electric	EnergyWise Single Family	Aerator, Electric	per unit of measure	820	\$7.00	\$5,740	15.4	107.8	2.3	1.1	0.0	0.0	3.3	14.6
48	Electric	EnergyWise Single Family	Aerator, Oil	per unit of measure	1,100	\$7.00	\$7,700	0.0	0.0	0.0	0.0	0.0	0.0	7.3	50.9
49	Electric	EnergyWise Single Family	Aerator, Others	per unit of measure	110	\$7.00	\$770	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.9
50	Electric	EnergyWise Single Family	Electric Resistance to MSHP	per unit of measure	10	\$4,400.00	\$44,000	61.9	1,052.1	18.7	0.0	0.0	0.0	13.4	58.6
51	Electric	EnergyWise Single Family	Participant	per unit of measure	5,150	\$240.00	\$1,236,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	Electric	EnergyWise Single Family	Pipe Insulation, Electric	per unit of measure	3,170	\$7.00	\$22,190	111.5	780.3	16.3	7.8	0.0	0.0	24.1	105.5
53	Electric	EnergyWise Single Family	Pipe Insulation, Oil	per unit of measure	4,000	\$7.00	\$28,000	0.0	0.0	0.0	0.0	0.0	0.0	60.3	422.0
54	Electric	EnergyWise Single Family	Pipe Insulation, Others	per unit of measure	310	\$7.00	\$2,170	0.0	0.0	0.0	0.0	0.0	0.0	4.9	34.0
55	Electric	EnergyWise Single Family	Pre-weatherization	per unit of measure	800	\$250.00	\$200,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	Electric	EnergyWise Single Family	Programmable Thermostat - Elec	per unit of measure	630	\$100.00	\$63,000	71.6	1,360.0	13.6	59.3	0.0	0.0	15.5	67.8

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		Identifiers			Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)		
Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions	
57	Electric	EnergyWise Single Family	Programmable Thermostat, Oil	per unit of measure	1,810	\$100.00	\$181,000	24.9	473.9	0.0	41.2	0.0	0.0	131.1	2,411.6
58	Electric	EnergyWise Single Family	Programmable Thermostat, Others	per unit of measure	110	\$100.00	\$11,000	1.5	28.8	0.0	2.5	0.0	0.0	8.3	152.2
59	Electric	EnergyWise Single Family	Refrigerator Brush	per unit of measure	7,400	\$5.00	\$37,000	83.9	419.4	10.9	14.2	0.0	0.0	18.1	70.3
60	Electric	EnergyWise Single Family	Showerhead - Elec	per unit of measure	1,100	\$30.00	\$33,000	155.3	2,330.1	0.0	13.0	0.0	0.0	33.6	147.1
61	Electric	EnergyWise Single Family	Showerhead - Oil	per unit of measure	1,300	\$30.00	\$39,000	0.0	0.0	0.0	0.0	0.0	0.0	68.0	1,019.7
62	Electric	EnergyWise Single Family	Showerhead - Other	per unit of measure	140	\$30.00	\$4,200	0.0	0.0	0.0	0.0	0.0	0.0	7.0	104.6
63	Electric	EnergyWise Single Family	Smart Strip	per unit of measure	11,500	\$22.00	\$253,000	690.5	3,452.7	95.7	69.6	0.0	0.0	149.3	578.9
64	Electric	EnergyWise Single Family	Weatherization, Delayed HP conversion of electric resistance	per unit of measure	220	\$4,000.00	\$880,000	153.3	3,065.1	32.0	139.3	0.0	0.0	33.1	145.1
65	Electric	EnergyWise Single Family	Weatherization, Delayed HP conversion of oil	per unit of measure	600	\$2,650.00	\$1,590,000	182.1	3,641.8	10.4	45.4	0.0	0.0	258.3	4,550.4
66	Electric	EnergyWise Single Family	Weatherization, Delayed HP conversion of propane	per unit of measure	80	\$2,300.00	\$184,000	24.3	485.6	1.4	6.1	0.0	0.0	35.6	629.4
67	Electric	EnergyWise Single Family	Weatherization, Electric Resistance	per unit of measure	220	\$4,000.00	\$880,000	248.3	4,965.4	32.0	139.3	0.0	0.0	53.7	235.0
68	Electric	EnergyWise Single Family	Weatherization, Oil	per unit of measure	600	\$2,650.00	\$1,590,000	34.9	698.9	10.4	45.4	0.0	0.0	452.5	8,932.6
69	Electric	EnergyWise Single Family	Weatherization, Others	per unit of measure	80	\$2,300.00	\$184,000	4.7	93.2	1.4	6.1	0.0	0.0	62.6	1,237.2
70	Electric	EnergyWise Multifamily	Aerator - Elec	per unit of measure	50	\$5.00	\$250	1.6	11.1	0.2	0.1	0.0	0.0	0.3	1.5
71	Electric	EnergyWise Multifamily	Aerator - Oil	per unit of measure	5	\$5.00	\$25	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
72	Electric	EnergyWise Multifamily	Air Sealing - Elec	per kWh	1,000	\$1.05	\$1,050	0.7	13.6	0.0	0.1	0.0	0.0	0.1	0.6
73	Electric	EnergyWise Multifamily	Air Sealing - Elec w/AC	per kWh	21,000	\$1.05	\$22,050	14.3	285.6	0.0	23.6	0.0	0.0	3.1	13.5
74	Electric	EnergyWise Multifamily	Air Sealing - Oil	per mmbtu oil	31	\$100.00	\$3,100	0.0	0.0	0.0	0.0	0.0	0.0	1.4	27.7
75	Electric	EnergyWise Multifamily	Common Int EISA Exempt	per unit of measure	5	\$52.00	\$260	0.9	0.9	0.2	0.1	0.0	0.0	0.2	0.2
76	Electric	EnergyWise Multifamily	CUSTOM CIRCULATOR	per kWh	8,250	\$1.90	\$15,654	7.1	106.5	0.0	0.0	0.0	0.0	1.5	6.7
77	Electric	EnergyWise Multifamily	Heat Pumps	per kWh	32,000	\$2.33	\$74,400	27.5	551.0	11.0	0.1	0.0	0.0	6.0	26.1
78	Electric	EnergyWise Multifamily	Insulation - Elec w/AC	per kWh	79,000	\$1.80	\$142,200	46.3	1,157.7	0.0	25.8	0.0	0.0	10.0	43.8
79	Electric	EnergyWise Multifamily	Insulation - Oil	per mmbtu oil	28	\$118.00	\$3,304	0.0	0.5	0.0	0.0	0.0	0.0	1.3	31.3
80	Electric	EnergyWise Multifamily	Pipe Wrap DHW - Elec	per unit of measure	100	\$3.00	\$300	2.1	31.3	0.3	0.1	0.0	0.0	0.5	2.0
81	Electric	EnergyWise Multifamily	Pipe Wrap DHW - Oil	per unit of measure	3	\$3.00	\$9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
82	Electric	EnergyWise Multifamily	Programmable Thermostat - Elec w/ AC	per unit of measure	50	\$125.00	\$6,250	7.0	133.0	1.0	2.0	0.0	0.0	1.5	6.6
83	Electric	EnergyWise Multifamily	Programmable Thermostat - Oil	per unit of measure	2	\$125.00	\$250	0.0	0.6	0.0	0.0	0.0	0.0	0.1	2.0
84	Electric	EnergyWise Multifamily	Showerhead - Elec	per unit of measure	100	\$25.00	\$2,500	20.6	308.9	3.0	1.4	0.0	0.0	4.5	19.5

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		Identifiers			Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)	
Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions
85	Electric	EnergyWise Multifamily	Showerhead - Oil	per unit of measure	1	\$25.00	\$25	0.0	0.0	0.0	0.0	0.0	0.1	1.2
86	Electric	EnergyWise Multifamily	Smart Strips	per unit of measure	250	\$23.00	\$5,750	14.2	71.0	2.0	1.4	0.0	3.1	11.9
87	Electric	EnergyWise Multifamily	TSV Showerhead - Elec	per unit of measure	25	\$40.00	\$1,000	6.6	98.9	1.0	0.5	0.0	1.4	6.2
88	Electric	EnergyWise Multifamily	TSV Showerhead - Oil	per unit of measure	1	\$40.00	\$40	0.0	0.0	0.0	0.0	0.0	0.1	1.3
89	Electric	EnergyWise Multifamily	VFD	per kWh	18,000	\$2.48	\$44,550	15.5	232.4	0.0	0.0	0.0	3.3	14.7
90	Electric	Home Energy Reports	Existing Dual Fuel	per kWh	4,018,578	\$0.00	\$0	4,340.1	4,340.1	965.7	618.5	0.0	938.2	938.2
91	Electric	Home Energy Reports	Existing Electric	per kWh	9,999,723	\$0.00	\$0	10,799.7	10,799.7	2,402.9	1,539.0	0.0	2,334.5	2,334.5
92	Electric	Home Energy Reports	New Movers Dual Fuel	per kWh	1,451,332	\$0.00	\$0	972.4	972.4	216.4	138.6	0.0	210.2	210.2
93	Electric	Home Energy Reports	New Movers Electric	per kWh	2,889,366	\$0.00	\$0	1,935.9	1,935.9	430.7	275.9	0.0	418.5	418.5
94	Electric	Residential Consumer Products	Clothes Washer Most Efficient	per unit of measure	135	\$25.00	\$3,375	3.6	49.8	2.4	2.2	0.0	0.8	3.4
95	Electric	Residential Consumer Products	Dehumidifier	per unit of measure	1,200	\$30.00	\$36,000	47.9	814.4	2.6	10.7	0.0	10.4	45.4
96	Electric	Residential Consumer Products	Dehumidifier Recycling	per unit of measure	2,100	\$35.00	\$73,500	350.5	1,402.1	7.2	29.2	0.0	75.8	256.5
97	Electric	Residential Consumer Products	Dryer Most Efficient	per unit of measure	55	\$30.00	\$1,650	11.6	185.4	1.9	1.4	0.0	2.5	11.0
98	Electric	Residential Consumer Products	EnergyStar Dryer	per unit of measure	600	\$50.00	\$30,000	49.4	790.7	8.3	6.2	0.0	10.7	46.8
99	Electric	Residential Consumer Products	Freezer Recycling	per unit of measure	300	\$75.00	\$22,500	93.9	751.0	7.6	11.8	0.0	20.3	88.9
100	Electric	Residential Consumer Products	Low E Storm Windows, electric heat	per unit of measure	20	\$25.00	\$500	4.4	87.9	0.9	3.8	0.0	1.0	4.2
101	Electric	Residential Consumer Products	Low E Storm Windows, other heat	per unit of measure	25	\$25.00	\$625	0.1	2.4	0.0	0.1	0.0	1.2	24.1
102	Electric	Residential Consumer Products	Low Flow Showerhead w/ TSV - Elec	per unit of measure	25	\$15.00	\$375	4.8	72.2	0.7	0.3	0.0	1.0	4.6
103	Electric	Residential Consumer Products	Low Flow Showerhead w/ TSV - Oil	per unit of measure	25	\$15.00	\$375	0.0	0.0	0.0	0.0	0.0	1.7	25.4
104	Electric	Residential Consumer Products	Low Flow Showerhead w/ TSV - Other	per unit of measure	25	\$15.00	\$375	0.0	0.0	0.0	0.0	0.0	1.6	23.6
105	Electric	Residential Consumer Products	Pool pump (variable)	per unit of measure	400	\$350.00	\$140,000	457.1	2,742.6	0.0	394.1	0.0	98.8	416.2
106	Electric	Residential Consumer Products	Refrigerator Most Efficient	per unit of measure	410	\$25.00	\$10,250	29.4	353.1	3.8	5.0	0.0	6.4	27.9
107	Electric	Residential Consumer Products	Refrigerator Recycling	per unit of measure	1,975	\$75.00	\$148,125	803.7	3,215.0	104.2	136.0	0.0	173.7	588.2
108	Electric	Residential Consumer Products	Room AC (10.8)	per unit of measure	500	\$40.00	\$20,000	10.1	121.0	0.0	19.0	0.0	2.2	9.5
109	Electric	Residential Consumer Products	Room air cleaners	per unit of measure	755	\$40.00	\$30,200	180.4	1,623.6	10.0	40.2	0.0	39.0	170.8
110	Electric	Residential Consumer Products	Smart Strips	per unit of measure	9,500	\$10.00	\$95,000	743.3	3,716.7	103.0	74.9	0.0	160.7	623.1
111	Electric	Residential Consumer Products	Thermostatic Shutoff Valve - Elec	per unit of measure	30	\$11.50	\$345	1.7	25.9	0.3	0.1	0.0	0.4	1.6
112	Electric	Residential Consumer Products	Thermostatic Shut-off Valve - Oil	per unit of measure	35	\$11.50	\$403	0.0	0.0	0.0	0.0	0.0	0.7	11.2

**Attachment I-1
Rhode Island Energy
Summary of Residential Measures**

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Identifiers					Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)	
Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions
113	Electric	Residential Consumer Products	Thermostatic Shut-off Valve - Other	per unit of measure	25	\$11.50	\$288	0.0	0.0	0.0	0.0	0.0	0.5	7.4
114	Gas	Residential New Construction	Codes and Standards	per unit of measure	1	\$0.00	\$0	0.0	0.0	0.0	0.0	1,507.2	30,144.3	1,765.3
115	Gas	Residential New Construction	Cooling - Tier 1	per unit of measure	85	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116	Gas	Residential New Construction	Cooling - Tier 2	per unit of measure	58	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117	Gas	Residential New Construction	Cooling - Tier 3	per unit of measure	6	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118	Gas	Residential New Construction	CP - Cooling	per unit of measure	8	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119	Gas	Residential New Construction	CP - DHW	per unit of measure	8	\$50.00	\$400	0.0	0.0	0.0	0.0	10.1	151.2	8.9
120	Gas	Residential New Construction	CP - Heating	per unit of measure	8	\$310.00	\$2,480	0.0	0.0	0.0	0.0	69.4	1,734.0	101.5
121	Gas	Residential New Construction	DHW - Tier 2	per unit of measure	58	\$150.00	\$8,700	0.0	0.0	0.0	0.0	45.2	678.6	39.7
122	Gas	Residential New Construction	DHW - Tier 3	per unit of measure	6	\$150.00	\$900	0.0	0.0	0.0	0.0	6.3	93.8	5.5
123	Gas	Residential New Construction	DHW- Tier 1	per unit of measure	85	\$50.00	\$4,250	0.0	0.0	0.0	0.0	47.2	707.6	41.4
124	Gas	Residential New Construction	Heating - Tier 1	per unit of measure	85	\$1,050.00	\$89,250	0.0	0.0	0.0	0.0	557.8	13,945.3	816.6
125	Gas	Residential New Construction	Heating - Tier 2	per unit of measure	58	\$1,975.00	\$114,550	0.0	0.0	0.0	0.0	480.2	12,006.0	703.1
126	Gas	Residential New Construction	Heating - Tier 3	per unit of measure	6	\$2,300.00	\$13,800	0.0	0.0	0.0	0.0	66.5	1,662.8	97.4
127	Gas	Residential New Construction	MFHR - Cooling	per unit of measure	35	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128	Gas	Residential New Construction	MFHR - Heating	per unit of measure	35	\$700.00	\$24,500	0.0	0.0	0.0	0.0	78.1	1,951.3	114.3
129	Gas	Residential New Construction	MFHR - Water Heating	per unit of measure	35	\$700.00	\$24,500	0.0	0.0	0.0	0.0	77.7	1,165.5	68.3
130	Gas	Residential New Construction	Renovation Rehab - Cooling Tier 1, Gas	per unit of measure	22	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131	Gas	Residential New Construction	Renovation Rehab - Cooling Tier 2, Gas	per unit of measure	15	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	Gas	Residential New Construction	Renovation Rehab - Cooling Tier 3, Gas	per unit of measure	2	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133	Gas	Residential New Construction	Renovation Rehab - DHW Tier 1, Gas	per unit of measure	22	\$50.00	\$1,100	0.0	0.0	0.0	0.0	11.5	173.1	10.1
134	Gas	Residential New Construction	Renovation Rehab - DHW Tier 2, Gas	per unit of measure	15	\$150.00	\$2,250	0.0	0.0	0.0	0.0	12.0	180.1	10.5
135	Gas	Residential New Construction	Renovation Rehab - DHW Tier 3, Gas	per unit of measure	2	\$150.00	\$300	0.0	0.0	0.0	0.0	2.1	32.0	1.9
136	Gas	Residential New Construction	Renovation Rehab - Heating Tier 1, Gas	per unit of measure	22	\$1,050.00	\$23,100	0.0	0.0	0.0	0.0	118.4	2,960.1	173.3
137	Gas	Residential New Construction	Renovation Rehab - Heating Tier 2, Gas	per unit of measure	15	\$1,450.00	\$21,750	0.0	0.0	0.0	0.0	149.6	3,739.8	219.0
138	Gas	Residential New Construction	Renovation Rehab - Heating Tier 3, Gas	per unit of measure	2	\$2,535.00	\$5,070	0.0	0.0	0.0	0.0	26.7	667.9	39.1
139	Gas	Residential New Construction	Renovation Rehab CP - Cooling, Gas	per unit of measure	2	\$0.00	\$0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	Gas	Residential New Construction	Renovation Rehab CP - DHW, Gas	per unit of measure	2	\$50.00	\$100	0.0	0.0	0.0	0.0	1.0	15.5	0.9

**Attachment I-1
Rhode Island Energy
Summary of Residential Measures**

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	
Identifiers					Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)		
Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions	
141	Gas	Residential New Construction	Renovation Rehab CP - Heating, Gas	per unit of measure	2	\$310.00	\$620	0.0	0.0	0.0	0.0	12.5	312.8	0.7	18.3
142	Gas	Residential New Construction	Showerhead	per unit of measure	15	\$0.00	\$0	0.0	0.0	0.0	0.0	5.4	80.8	0.3	4.7
143	Gas	Residential HVAC	Combo Condensing Boiler/Water Heater - 95% AFUE	per unit of measure	824	\$950.00	\$782,800	0.0	0.0	0.0	0.0	7,355.9	169,186.4	430.8	9,907.6
144	Gas	Residential HVAC	ENERGY STAR ON DEMAND WATER HEATER 0.87 UEF	per unit of measure	286	\$600.00	\$171,600	-9.5	-180.9	-1.4	-0.7	1,549.5	29,441.4	88.7	1,715.1
145	Gas	Residential HVAC	ENERGY STAR STORAGE WATER HEATER .64 UEF (med draw)	per unit of measure	21	\$70.00	\$1,470	-0.7	-6.3	-0.1	-0.1	40.6	365.7	2.2	20.8
146	Gas	Residential HVAC	Forced Hot Water Boiler - >=95% AFUE	per unit of measure	339	\$775.00	\$262,725	0.0	0.0	0.0	0.0	2,767.6	47,049.7	162.1	2,755.2
147	Gas	Residential HVAC	Furnace w/ ECM - 97% AFUE	per unit of measure	225	\$525.00	\$118,125	0.0	0.0	0.0	0.0	738.2	12,549.4	43.2	734.9
148	Gas	Residential HVAC	Low Flow Showerhead	per unit of measure	35	\$7.00	\$245	0.0	0.0	0.0	0.0	35.7	535.1	2.1	31.3
149	Gas	Residential HVAC	Programmable Thermostat	per unit of measure	126	\$25.00	\$3,150	0.0	0.0	0.0	0.0	226.1	4,296.5	13.2	251.6
150	Gas	Residential HVAC	Thermostatic Shut-Off Valve	per unit of measure	15	\$11.00	\$165	0.0	0.0	0.0	0.0	4.8	72.6	0.3	4.3
151	Gas	Residential HVAC	Triple Pane Windows	per unit of measure	10	\$75.00	\$750	0.1	1.1	0.0	0.0	5.8	97.9	0.4	5.8
152	Gas	Residential HVAC	TSV Showerhead	per unit of measure	35	\$15.00	\$525	0.0	0.0	0.0	0.0	36.3	544.1	2.1	31.9
153	Gas	Residential HVAC	WiFi Thermostat, Gas - Cooling and Heating	per unit of measure	325	\$75.00	\$24,375	5.1	55.8	0.0	3.0	786.2	8,647.7	47.1	511.2
154	Gas	Residential HVAC	WiFi Thermostat, Gas - Heat Only	per unit of measure	972	\$75.00	\$72,900	0.0	0.0	0.0	0.0	2,351.2	25,863.2	137.7	1,514.6
155	Gas	EnergyWise Single Family	Aerator	per unit of measure	3,200	\$7.00	\$22,400	0.0	0.0	0.0	0.0	342.5	2,397.2	20.1	140.4
156	Gas	EnergyWise Single Family	Participants (Unique Account Numbers)	per unit of measure	5,905	\$240.00	\$1,417,200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157	Gas	EnergyWise Single Family	Pipe Wrap	per unit of measure	12,000	\$7.00	\$84,000	0.0	0.0	0.0	0.0	2,751.8	19,262.9	161.1	1,128.0
158	Gas	EnergyWise Single Family	Programmable thermostat	per unit of measure	2,300	\$100.00	\$230,000	31.7	602.2	0.0	17.6	2,430.0	46,170.3	149.2	2,733.8
159	Gas	EnergyWise Single Family	Showerhead	per unit of measure	2,600	\$30.00	\$78,000	0.0	0.0	0.0	0.0	2,206.1	33,090.9	129.2	1,937.8
160	Gas	EnergyWise Single Family	Weatherization	per unit of measure	3,000	\$3,375.00	\$10,125,000	191.1	3,822.0	21.2	34.3	36,582.0	731,640.0	2,183.6	43,026.0
161	Gas	EnergyWise Multifamily	Air Sealing	per MMBtu	1,620	\$100.00	\$162,000	0.0	0.0	0.0	0.0	1,101.6	22,032.0	64.5	1,290.2
162	Gas	EnergyWise Multifamily	Duct Insulation, MF	per MMBtu	1	\$207.00	\$104	0.0	0.0	0.0	0.0	0.3	6.8	0.0	0.4
163	Gas	EnergyWise Multifamily	Duct Sealing	per MMBtu	1	\$232.00	\$116	0.0	0.0	0.0	0.0	0.3	6.8	0.0	0.4
164	Gas	EnergyWise Multifamily	Faucet aerator	per MMBtu	140	\$3.00	\$420	0.0	0.0	0.0	0.0	23.4	164.1	1.4	9.6
165	Gas	EnergyWise Multifamily	Heating, Custom	per MMBtu	420	\$214.00	\$89,880	0.0	0.0	0.0	0.0	362.6	5,439.7	21.2	318.5
166	Gas	EnergyWise Multifamily	Low Flow Showerhead - Showerhead	per unit of measure	120	\$25.00	\$3,000	0.0	0.0	0.0	0.0	130.6	1,958.6	7.6	114.7
167	Gas	EnergyWise Multifamily	Low Flow Showerhead - w/TSV	per unit of measure	15	\$40.00	\$600	0.0	0.0	0.0	0.0	17.7	265.5	1.0	15.5
168	Gas	EnergyWise Multifamily	MF Shell Insulation	per MMBtu	2,580	\$138.00	\$356,040	0.0	0.0	0.0	0.0	1,754.4	43,860.0	102.7	2,568.5

**Attachment I-1
Rhode Island Energy
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Identifiers				Costs		Electric				Non-Electric (MMBtu)		Carbon (Short Tons)		
	Portfolio	Program	Measure	Quantity Units	Quantity	Incentive per Quantity	Incentive	Net Annual MWh	Net Lifetime MWh	Net Annual Winter kW	Net Annual Summer kW	Net Annual Gas Savings	Net Lifetime Gas Savings	Net Annual Carbon Reductions	Net Lifetime Carbon Reductions
169	Gas	EnergyWise Multifamily	Pipe Wrap (Water Heating)	per unit of measure	150	\$3.00	\$450	0.0	0.0	0.0	0.0	18.8	282.5	1.1	16.5
170	Gas	EnergyWise Multifamily	Programmable thermostat	per unit of measure	20	\$125.00	\$2,500	0.3	5.5	0.0	0.2	15.1	287.0	0.9	17.1
171	Gas	EnergyWise Multifamily	Wi-Fi programmable thermostat (controls gas heat only)	per unit of measure	30	\$223.00	\$6,690	0.5	5.2	0.0	0.3	34.7	382.2	2.1	22.8
172	Gas	Home Energy Reports	Existing Dual Fuel	per MMBtu	41,446	\$0.00	\$0	0.0	0.0	0.0	0.0	38,130.6	38,130.6	2,232.9	2,232.9
173	Gas	Home Energy Reports	Existing Gas	per MMBtu	7,377	\$0.00	\$0	0.0	0.0	0.0	0.0	6,786.8	6,786.8	397.4	397.4
174	Gas	Home Energy Reports	New Movers Dual Fuel	per MMBtu	9,249	\$0.00	\$0	0.0	0.0	0.0	0.0	4,624.4	4,624.4	270.8	270.8