

	<b>Heat Pump Water Heater - 3.45 UEF 50 Gal Tank Non-Refrigerant Based Cooling &amp; Electric Resistance Heat in a 1 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 152.89	\$ 156.33	\$ 159.78	\$ 162.97	\$ 166.12	\$ 169.34
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	1218	1218	1218	1218	1218	1218
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ (231.11)	\$ 156.33	\$ 159.78	\$ 162.97	\$ 166.12	\$ 169.34
(7)	Cumulative Participant Savings (\$)	\$ (231.11)	\$ (74.79)	\$ 84.99	\$ 247.96	\$ 414.08	\$ 583.42

	<b>Heat Pump Water Heater - 3.45 UEF 50 Gal Tank Refrigerant Based Cooling &amp; Natural Gas Heat in a 1 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 208.49	\$ 213.18	\$ 217.89	\$ 222.24	\$ 226.54	\$ 230.94
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	1661	1661	1661	1661	1661	1661
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ (11.14)	\$ (11.14)	\$ (11.14)	\$ (11.14)	\$ (11.14)	\$ (11.14)
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ (186.65)	\$ 202.04	\$ 206.75	\$ 211.10	\$ 215.40	\$ 219.80
(7)	Cumulative Participant Savings (\$)	\$ (186.65)	\$ 15.40	\$ 222.15	\$ 433.25	\$ 648.65	\$ 868.45

	<b>Heat Pump Water Heater - 3.45 UEF 66 Gal Tank Non-Refrigerant Based Cooling &amp; Electric Resistance Heat in a 3 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 272.64	\$ 278.77	\$ 284.93	\$ 290.61	\$ 296.23	\$ 301.98
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	2172	2172	2172	2172	2172	2172
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ (111.36)	\$ 278.77	\$ 284.93	\$ 290.61	\$ 296.23	\$ 301.98
(7)	Cumulative Participant Savings (\$)	\$ (111.36)	\$ 167.41	\$ 452.33	\$ 742.94	\$ 1,039.17	\$ 1,341.16

	<b>Heat Pump Water Heater - 3.45 UEF 66 Gal Tank Refrigerant Based Cooling &amp; Natural Gas Heat in a 3 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 370.67	\$ 379.01	\$ 387.38	\$ 395.11	\$ 402.75	\$ 410.57
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	2953	2953	2953	2953	2953	2953
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ (19.67)	\$ (19.67)	\$ (19.67)	\$ (19.67)	\$ (19.67)	\$ (19.67)
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ (33.00)	\$ 359.34	\$ 367.71	\$ 375.44	\$ 383.08	\$ 390.90
(7)	Cumulative Participant Savings (\$)	\$ (33.00)	\$ 326.34	\$ 694.05	\$ 1,069.49	\$ 1,452.56	\$ 1,843.46

	<b>Heat Pump Water Heater - 3.45 UEF 80 Gal Tank Non-Refrigerant Based Cooling &amp; Electric Resistance Heat in a 5 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 377.82	\$ 386.33	\$ 394.86	\$ 402.73	\$ 410.52	\$ 418.50
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	3010	3010	3010	3010	3010	3010
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ (6.18)	\$ 386.33	\$ 394.86	\$ 402.73	\$ 410.52	\$ 418.50
(7)	Cumulative Participant Savings (\$)	\$ (6.18)	\$ 380.15	\$ 775.01	\$ 1,177.74	\$ 1,588.26	\$ 2,006.76

	<b>Heat Pump Water Heater - 3.45 UEF 80 Gal Tank Refrigerant Based Cooling &amp; Natural Gas Heat in a 5 Bedroom Home</b>	2022	2023	2024	2025	2026	2027
(1)	Participant Bill Reduction (Nominal Value of utility bill savings)	\$ 515.15	\$ 526.74	\$ 538.37	\$ 549.11	\$ 559.73	\$ 570.60
(2)	Annual kWh savings of heat pump water heater versus standard electric resistance water heater	4104	4104	4104	4104	4104	4104
(3)	O&M Increased in non-electric utility bills due to increased heating load from heat pump water heater	\$ (27.53)	\$ (27.53)	\$ (27.53)	\$ (27.53)	\$ (27.53)	\$ (27.53)
(4)	Heat Pump Water Heater Rebate	\$ 400.00					
(5)	Incremental Capital Cost Additional Cost to Customer for purchase of heat pump water heater	\$ (784.00)					
(6)	Net Annual Participant Savings (\$) [(1) + (4)] + [(3)+(5)]	\$ 103.62	\$ 499.21	\$ 510.84	\$ 521.58	\$ 532.20	\$ 543.07
(7)	Cumulative Participant Savings (\$)	\$ 103.62	\$ 602.82	\$ 1,113.67	\$ 1,635.25	\$ 2,167.44	\$ 2,710.51