

**Residential HVAC Measures**

	Central AC - ENERGY STAR/CEE Tier 1: 16 SEER/15.2 SEER2	Central AC - CEE Tier 2: 16.8 SEER/16 SEER2	Central AC - CEE Advanced Tier: 17.8 SEER/17 SEER2	Central AC - 24 SEER/22.9 SEER2
Summer kW Reduction:	0.127	0.218	0.32	0.764
Winter kW Reduction:	0.001	0.001	0.002	0.004
Annual kWh Reduction:	305.94	524.47	770.02	1835.66
Incremental Cost:	408	2280	3414	10008
Life of Measure:	18	18	18	18

Participation:

Year	300	300	300	300
2025	300	300	300	300
2026	500	500	500	500
2027	750	750	750	750
2028	825	825	825	825
2029	908	908	908	908
2030	998	998	998	998
2031	1,098	1,098	1,098	1,098
2032	1,208	1,208	1,208	1,208

**Benefits CPVRR \$(000):**

Avoided Gen Unit Capacity Cost	603	1,034	1,518	3,625
Avoided Gen Unit Fixed O&M	115	197	289	691
Avoided Gen Unit Variable O&M	5	9	14	33
Avoided Gen Unit Fuel Cost	2,821	4,840	7,106	16,963
Replacement Fuel Cost	(3,102)	(5,321)	(7,813)	(18,651)
Avoided Transmission Cap Cost	423	726	1,066	2,544
Avoided Transmission O&M Cost	40	69	101	241
Avoided Distribution Cap Cost	132	227	334	796
Avoided Distribution O&M Cost	40	69	102	243
Program Fuel Savings	985	1,689	2,480	5,913
Program Off-Peak Payback	0	0	0	0
Avoided Gen Unit Emission Benefit	471	808	1,186	2,832
Replacement Emission Cost	(529)	(908)	(1,333)	(3,183)
Program Emission Benefit	159	273	400	955
Off-Peak Emissions Payback Cost	0	0	0	0

**Total RIM and TRC Benefits = 2,165 3,712 5,450 13,001**

**Costs CPVRR \$(000):**

Utility Program Cost	0	0	0	0
Participant Equipment Costs	3,013	16,836	25,209	73,899
Incentive Cost	0	0	0	0
Savings in Participants Bills	3,802	6,518	9,569	22,812
Energy Charge Revenue Losses	2,890	4,953	7,273	17,337
Demand Charge Revenue Losses	0	0	0	0
IT Costs	0	0	0	0

**Total RIM Costs = 2,890 4,953 7,273 17,337**

**Total TRC Costs = 3,013 16,836 25,209 73,899**

**Total Participant Benefits = 3,802 6,518 9,569 22,812**

**RIM Ratio = 0.749 0.749 0.749 0.750**

**TRC Ratio = 0.719 0.220 0.216 0.176**

**Participant Test Ratio = 1.262 0.387 0.380 0.309**

**Residential HVAC Measures w/ AC Shed**

Residential On-Call - AC Shed

2,406
2,9132
2,310
0
40

300
500
750
825
908
998
1,098
1,208

13,842
2,639
125
64,775
(71,223)
0
40
0
40
7
(4)
10,815
(12,155)
1
(1)

**8,821**

1,180
0
0
13
10
0
2,503

**1,190**

**1,180**

**4,839**

**7,415**

**7,475**

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	16 SEER + ROC	16.8 SEER + ROC	17.8 SEER + ROC	24 SEER + ROC
2,533	2,624	2,726	3,170	
2,914150622	2,914150622	2,915150622	2,917150622	
308.25	526.78	772.33	1837.97	
408	2280	3414	10008	

Year	300	300	300	300
2025	300	300	300	300
2026	500	500	500	500
2027	750	750	750	750
2028	825	825	825	825
2029	908	908	908	908
2030	998	998	998	998
2031	1,098	1,098	1,098	1,098
2032	1,208	1,208	1,208	1,208

14,444	14,876	15,360	17,466
2,754	2,836	2,928	3,330
131	135	139	158
67,596	69,614	71,881	81,737
(74,325)	(76,544)	(79,036)	(89,874)
423	726	1,066	2,544
40	69	101	241
132	227	334	796
40	69	102	243
993	1,697	2,488	5,920
(4)	(4)	(4)	(4)
11,286	11,623	12,001	13,647
(12,684)	(13,063)	(13,488)	(15,338)
160	274	402	956
(1)	(1)	(1)	(1)

**10,986 12,533 14,272 21,822**

1,180	1,180	1,180	1,180
3,013	16,836	25,209	73,899
0	0	0	0
3,815	6,530	9,582	22,825
2,899	4,963	7,282	17,347
0	0	0	0
2,503	2,503	2,503	2,503

**6,582**

**3,013**

**3,815**

**1,669**

**3,647**

**1,266**

**8,646**

**16,836**

**6,530**

**1,450**

**0,744**

**0,388**

**10,965**

**25,209**

**9,582**

**1,302**

**0,566**

**0,380**

**21,030**

**73,899**

**22,825**

**1,038**

**0,295**

**0,309**

**CPVRR Differential: 4,403,617 3,887,125 3,306,169 792,363**

**FPL 003332**

**Docket No. 20240012-EG**

CPVRR:	\$2,503,138
2023	\$0
2024	\$0
2025	\$2,000,000
2026	\$1,000,000
2027	\$0

	<u>One-time</u>	<u>Annual</u>	<u>Monthly</u>
	<u>Payment:</u>	<u>Payment:</u>	<u>Payment:</u>
	\$231.54	\$32.25	\$2.69
NPV:	\$1,736,602	\$1,736,602	

<u>Cost-Effectiveness Results:</u>	16 SEER + ROC	16.8 SEER + ROC	17.8 SEER + ROC	24 SEER + ROC
CPVRR Differential:	4,403,617	3,887,125	3,306,169	792,363
CPVRR Differential for RIM = 1.01:	4,360,017	3,848,639	3,273,435	784,518

Participant	Signups	Payments	Cumulative Part.	Payments
2023	0	\$0	0	\$0
2024	0	\$0	0	\$0
2025	300	\$69,463	300	\$9,675
2026	500	\$115,772	800	\$25,800
2027	750	\$173,658	1550	\$49,988
2028	825	\$191,023	2375	\$76,594
2029	908	\$210,242	3283	\$105,878
2030	998	\$231,080	4281	\$138,063
2031	1098	\$254,235	5379	\$173,474
2032	1208	\$279,705	6587	\$212,432
2033	0	\$0	6587	\$212,432
2034	0	\$0	6587	\$212,432
2035	300	\$69,463	6587	\$212,432
2036	500	\$115,772	6587	\$212,432
2037	750	\$173,658	6587	\$212,432
2038	825	\$191,023	6587	\$212,432
2039	908	\$210,242	6587	\$212,432
2040	998	\$231,080	6587	\$212,432
2041	1098	\$254,235	6587	\$212,432
2042	1208	\$279,705	6587	\$212,432
2043	0	\$0	6587	\$212,432
2044	0	\$0	6587	\$212,432
2045	300	\$69,463	6587	\$212,432
2046	500	\$115,772	6587	\$212,432
2047	750	\$173,658	6587	\$212,432
2048	825	\$191,023	6587	\$212,432
2049	908	\$210,242	6587	\$212,432
2050	998	\$231,080	6587	\$212,432
2051	1098	\$254,235	6587	\$212,432
2052	1208	\$279,705	6587	\$212,432
2053	0	\$0	6587	\$212,432
2054	0	\$0	6587	\$212,432
2055	300	\$69,463	6587	\$212,432
2056	500	\$115,772	6587	\$212,432
2057	750	\$173,658	6587	\$212,432
2058	825	\$191,023	6587	\$212,432
2059	908	\$210,242	6587	\$212,432
2060	998	\$231,080	6587	\$212,432
2061	1098	\$254,235	6587	\$212,432
2062	1208	\$279,705	6587	\$212,432
2063	0	\$0	6587	\$212,432
2064	0	\$0	6587	\$212,432
2065	300	\$69,463	6587	\$212,432
2066	500	\$115,772	6587	\$212,432
2067	750	\$173,658	6587	\$212,432
2068	825	\$191,023	6587	\$212,432
2069	908	\$210,242	6587	\$212,432
2070	998	\$231,080	6587	\$212,432
2071	1098	\$254,235	6587	\$212,432
2072	1208	\$279,705	6587	\$212,432
2073	0	\$0	6587	\$212,432
2074	0	\$0	6587	\$212,432
2075	300	\$69,463	6587	\$212,432
2076	500	\$115,772	6587	\$212,432
2077	750	\$173,658	6587	\$212,432
2078	825	\$191,023	6587	\$212,432
2079	908	\$210,242	6587	\$212,432
2080	998	\$231,080	6587	\$212,432
2081	1098	\$254,235	6587	\$212,432
2082	1208	\$279,705	6587	\$212,432

One-time Payment at Signup:	\$581.33	\$513.14	\$436.45	\$104.60
Annual Payment:	\$80.97	\$71.47	\$60.79	\$14.57
Monthly Payment:	\$6.75	\$5.96	\$5.07	\$1.21