2023 EE Plan Regulatory Proceedings Update

Presented By: EERMC C-Team

Date: December 15, 2022



Outline

Regulatory Schedule

Updates Since November EERMC Meeting

Key Themes from December Hearings

Next Steps

Council Discussion







Regulatory Schedule

Ongoing: Record requests, SBC rate setting comments

12/6: 2023 Plan Hearing

✓ 12/8: 2023 Plan Hearing, continued

■ 12/16: 2023 Plan Hearing, continued

TBD: PUC Open Meeting and potential ruling(s)







2023 EE Plan – Updates

Next Steps

The Company reduced planned lifetime electric savings and spending by 3% in updated 2023 Plan Benefit-Cost Ratio Models filed on November 29th

The changes reflected an updated RIE internal forecast for anticipated program activity in 2023, in addition to implementing corrections identified during the discovery process

Reductions in planned C&I electric savings and spending drove the portfolio-level changes from the filed 2023 Plan

No changes to the Gas portfolio beyond a 0.1% decrease in planned spending all in Program Planning & Administration

(



2023 EE Plan Updates – Electric Savings

Over 80% of the C&I savings reduction resulted from quantity decreases for seven lighting measures

Corrected doublecounting of program savings in the Residential New Construction program

Planned % of Portfolio Savings
69%
6%
25%
100%

Key Themes from Hearings

Sector	2023 (Filed)	2023 (Nov. 29 th Update)	Nov. 29 th Update Compared to 2023 Filed
C&I Sector Total	477,396	460,338	-4%
Income Eligible Sector Total	38,915	38,915	0%
Residential Sector Total	168,898	166,665	-1%
Electric Portfolio Total	685,209	665,918	-3%



2023 EE Plan Updates – Electric Spending

2023 Plan budget reduction driven by reduced total incentive spending

Due largely to the reduction in Plan activity (e.g. lighting measure quantities)

The Company also reduced administrative costs that are formulaically allocated across sectors

Planned % of Portfolio Savings
47%
16%
32%
6%
100%

Sector	2023 (Filed)	2023 (Nov. 29 th Update)	Nov. 29 th Update Compared to 2023 Filed
C&I Sector Total	\$48,626,020	\$46,212,441	-5%
Income Eligible Sector Total	\$16,331,261	\$16,305,837	0%
Residential Sector Total	\$31,371,228	\$31,332,039	0%
Regulatory Total	\$5,689,504	\$5,525,071	-3%
Electric Portfolio Total	\$102,018,013	\$99,375,388	-3%

Council Discussion





Overview of Key Themes

Recent program underperformance and "right-sizing" the 2023 program implementation budget

Company staffing and hiring plan

Income Eligible program delivery

Redistribution of ratepayer funds methodology

Electric Resistance Heating to Air Source Heat Pump Conversions

Rate design strategies for reducing customer energy bills

Combined Heat & Power and further buildout of gas infrastructure

Outlook on supply chain and global economic issues moving forward

Jamestown Housing Authority issue

Next Steps



Two SBC Rate Setting Questions Raised

What mechanism makes sense for returning the positive fund balance at the end of 2022 to ratepayers?

What mechanism might make sense for separately setting collections and the EE budget to mitigate underspend risk?

 Specifically, setting the SBC such that total projected ratepayer collections would be below the 2023 Plan Budget

Next Steps



Returning the Positive Fund Balance (1)

Priority #1: Ensure that the SBC levels set at the beginning of 2023 are designed to meet the full collections for 2023

Priority #2: Return the positive 2022 SBC fund balance to ratepayers quickly

Priority #3: Limit upward pressure on the SBC during winter months, due to the potential for continued high winter base rates in Rhode Island



Regulatory Schedule

Returning the Positive Fund Balance (2)

'One SBC Period' approach: Evenly distribute the reduction in the SBC across 12 months. Current approach.

'Two SBC Period' approach: Evenly distribute the reduction across the first three months (January – March). Set the SBC for the remaining nine months at the level necessary to meet the full collections.

'Three SBC Period' approach: Evenly distribute the reduction across the first three months (January – March). Determine what the monthly SBC would have been under the 'One SBC Period' approach, described above, and set the SBC for the final three months (Oct-Dec) at that level. Set the SBC for the 6-month summer rate period (April – September) at the level necessary to collect the remaining funds.

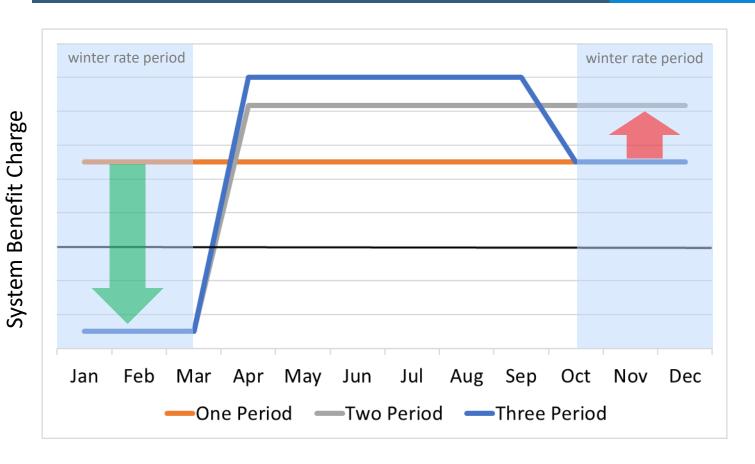
'Multiple Year' approach: Was considered, but appears to miss on Priority #2

-

Next Steps



Returning the Positive Fund Balance (3)





Two and Three Period approaches both result in lower SBC in first winter rate period



Next Steps

Two Period approach could result in higher SBC during second winter rate period

C-Team Takeaway: Three Period approach seems to meet all key priorities



Separating Collections and Budget (1)

Whether to break the historical connection between the EE Plan Budget and the total dollar amount collected from ratepayers (and consequently the SBC) motivated by recent pattern of underspending in EE programs

Clearly not good for ratepayers to collect significant sums of money that are not used for EE program activity (results in the positive fund balance associated with the first question)

Goals of this approach are to:

- 1) Set collections and the SBC at a level that mitigates underspending risk
- 2) Retain, and fully authorize, the filed EE savings goals and budgets

15



Separating Collections and Budget (2)

Priority 1: Retain the goals as filed

Priority 2: Retain spending authorization at the filed budget level

Priority 3: Avoid mid-year adjustments to the SBC that result in a higher SBC during winter rate periods (e.g. by using the reconciling mechanism the following year)

Priority 4: Eliminate post-filing adjustments to goals and budgets driven primarily by changes in the Company's internal forecast of EE program activity

Benefit 1: Enables setting collections to mitigate potential underspending risk

Benefit 2: Protects robust EE program savings goals and budgets, signaling sustainable future for EE and separating past performance from future goals

Benefit 3: Avoids possible performance incentive mechanism (PIM) windfall for the Company, if budgets and goals were reduced without reduced PIM opportunity

Benefit 4: Eliminates possibility for savings goals to be lowered based on changes to forecasted program spending capability after filing

Next Steps





Council Discussion



Next Steps

The PUC requested that all parties submit position papers by Wednesday, December 14th

On December 16th, the parties will participate in another public hearing with the PUC

Option for Council to revisit SBC questions at future meeting after reviewing other stakeholders' comments

Anticipate a subsequent Open Meeting, though PUC retains discretion in docket

18



Council Member Discussion

Data Requests



_







Lifetime Electric Savings

LIFETIME MWhs

f 2023 rtfolio
9%
24%
37%
69%
3%
3%
 370
6%
6%
6% 2%
6% 2% 11%
6% 2% 11% 3%
6% 2% 11% 3% 1%
6% 2% 11% 3% 1% 4%
6% 2% 11% 3% 1% 4% 0%

Program	2023 (Filed)	2023 (Nov. 29 Update)
Small Business Direct Install	57,778	57,778
Large Commercial New Construction	157,598	157,598
Large Commercial Retrofit	262,020	244,962
C&I Total	477,396	460,338
Single Family - Income Eligible Services	22,187	22,187
Income Eligible Multifamily	16,728	16,728
Income Eligible Total	38,915	38,915
Residential New Construction	15,377	13,144
ENERGY STAR® HVAC	71,055	71,055
EnergyWise	16,940	16,940
EnergyWise Multifamily	9,493	9,493
Home Energy Reports	24,350	24,350
ENERGY STAR® Lighting	0	0
Residential Consumer Products	31,684	31,684
Residential Total	168,898	166,665
Portfolio Total	685,209	665,918

2023 (Nov. 29 Update) Compared to 2023 (Filed)			
0	0%		
0	0%		
-17,058	-7%		
-17,058	-4%		
0	0%		
0	0%		
0	0%		
-2,233	-15%		
0	0%		
0	0%		
0	0%		
0	0%		
0			
0	0%		
-2,233	-1%		
-19,291	-3%		



Electric Implementation Budget

% of 2023 Portfolio	Program	2023 (Filed)	2023 (Nov. 29 Update)	2023 (Nov. 29 L Compared to 202	
8%	Small Business Direct Install	\$7,767,357	\$7,567,332	-\$200,026	-3%
8%	Large Commercial New Construction	\$8,471,353	\$8,331,329	-\$140,025	-29
23%	Large Commercial Retrofit	\$24,453,235	\$22,389,408	-\$2,063,827	-89
2%	C&I Financing	\$2,000,000	\$2,000,000	\$0	09
0%	Community Based Initiatives - C&I	\$93,461	\$93,461	\$0	09
0%	Commercial Pilots	\$0	\$0	\$0	
6%	Commercial ConnectedSolutions	\$5,683,113	\$5,673,411	-\$9,702	09
0%	Commercial Workforce Development	\$157,500	\$157,500	\$0	09
47%	C&I Total	\$48,626,020	\$46,212,441	-\$2,413,579	-59
12%	Single Family - Income Eligible Services	\$12,072,444	\$12,053,870	-\$18,575	09
4%	Income Eligible Multifamily	\$4,258,817	\$4,251,967	-\$6,850	09
0%	Income Eligible Workforce Development	\$0	\$0	\$0	
16%	Income Eligible Total	\$16,331,261	\$16,305,837	-\$25,424	09
2%	Residential New Construction	\$1,609,170	\$1,607,536	-\$1,634	09
6%	ENERGY STAR® HVAC	\$5,536,597	\$5,530,525	-\$6,072	09
16%	EnergyWise	\$15,674,283	\$15,649,920	-\$24,362	09
1%	EnergyWise Multifamily	\$1,347,041	\$1,345,272	-\$1,769	09
2%	Home Energy Reports	\$2,147,183	\$2,147,183	\$0	09
0%	ENERGY STAR® Lighting	\$0	\$0	\$0	
3%	Residential Consumer Products	\$2,494,513	\$2,492,104	-\$2,410	09
0%	Energy Efficiency Education	\$0	\$0	\$0	
0%	Comprehensive Marketing - Residential	\$310,484	\$310,484	\$0	09
0%	Community Based Initiatives - Residential	\$280,564	\$280,564	\$0	09
2%	Residential ConnectedSolutions	\$1,971,393	\$1,968,452	-\$2,941	09
0%	Residential Pilots	\$0	\$0	\$0	
0%	Residential Workforce Development	\$0	\$0	\$0	
32%	Residential Total	\$31,371,228	\$31,332,039	-\$39,189	09
1%	EERMC	\$850,331	\$822,224	-\$28,107	-39
1%	OER	\$1,101,682	\$965,356	-\$136,327	-129
	Rhode Island Infrastructure Bank	\$3,737,491	\$3,737,491	\$0	09
6%	Regulatory Total	\$5,689,504	\$5,525,071	-\$164,433	-39
100%	Portfolio Total	\$102,018,013	\$99,375,388	-\$2,642,625	-39

Implementation Budget does not include Participant Costs



Electric Lifetime Acquisition Cost

\$/LIFETIME kWh

Program	2023 (Filed)	2023 (Nov. 29 Update)	2023 (N Update) C to 2023
Small Business Direct Install	\$0.13	\$0.13	\$0.00
Large Commercial New Construction	\$0.05	\$0.05	\$0.00
Large Commercial Retrofit	\$0.09	\$0.09	\$0.00
C&I Total	\$0.10	\$0.10	\$0.00
Single Family - Income Eligible Services	\$0.54	\$0.54	\$0.00
Income Eligible Multifamily	\$0.25	\$0.25	\$0.00
Income Eligible Total	\$0.42	\$0.42	\$0.00
Residential New Construction	\$0.10	\$0.12	\$0.02
ENERGY STAR® HVAC	\$0.08	\$0.08	\$0.00
EnergyWise	\$0.93	\$0.92	\$0.00
EnergyWise Multifamily	\$0.14	\$0.14	\$0.00
Home Energy Reports	\$0.09	\$0.09	\$0.00
ENERGY STAR® Lighting			\$0.00
Residential Consumer Products	\$0.08	\$0.08	\$0.00
Residential Total	\$0.19	\$0.19	\$0.00
Portfolio Total	\$0.15	\$0.15	\$0.00

2023 (Nov. 29			
Update) Compared			
to 2023	(Filed)		
\$0.00	-3%		
\$0.00	-2%		
\$0.00	-2%		
\$0.00	-1%		
\$0.00	0%		
\$0.00	0%		
\$0.00	0%		
\$0.02	17%		
\$0.00	0%		
\$0.00	0%		
\$0.00	0%		
\$0.00	0%		
\$0.00			
\$0.00	0%		
\$0.00	1%		
\$0.00	0%		



2023 Planned Electric Spending (Nov. 29th Update Compared to Filed)

Program	Participant Cost	Program Planning & Administration	Rebates and Other Customer Incentives	Sales, Tech Assist & Training	Grand Total
A - Residential	\$0	-\$39,763	\$0	\$575	-\$39,189
EnergyStar Appliances	\$0	-\$2,445	\$0	\$35	-\$2,410
EnergyStar HVAC	\$0	-\$6,161	\$0	\$89	-\$6,072
EnergyWise	\$0	-\$24,719	\$0	\$357	-\$24,362
EnergyWise Multi Family	\$0	-\$1,795	\$0	\$26	-\$1,769
Residential ConnectedSolutions	\$0	-\$2,984	\$0	\$43	-\$2,941
Residential New Construction	\$0	-\$1,658	\$0	\$24	-\$1,634
B - Low Income	\$0	-\$25,797	\$0	\$373	-\$25,424
Low Income Multi Family	\$0	-\$6,950	\$0	\$100	-\$6,850
Low Income Single Family	\$0	-\$18,847	\$0	\$272	-\$18,575
C - Commercial & Industrial	-\$841,353	-\$88,761	-\$1,764,271	-\$560,547	-\$3,254,932
Commercial ConnectedSolutions	\$0	-\$10,598	\$0	\$896	-\$9,702
Commercial New Construction	\$0	-\$11,387	\$0	-\$128,637	-\$140,025
Commercial Retrofit	-\$726,961	-\$51,767	-\$1,628,635	-\$383,425	-\$2,790,788
Direct Install	-\$114,392	-\$15,009	-\$135,636	-\$49,381	-\$314,418
EERMC	\$0	-\$28,107	\$0	\$0	-\$28,107
OER	\$0	-\$136,327	\$0	\$0	-\$136,327
Grand Total	-\$841,353	-\$318,754	-\$1,764,271	-\$559,600	-\$3,483,978

2



Gas Implementation Budget

% of 2023 Portfolio	Program	2023 (Filed)	2023 (Nov. 29 Update)
8%	Large Commercial New Construction	\$2,821,839	\$2,818,608
13%	Large Commercial Retrofit	\$4,644,097	\$4,639,525
2%	Small Business Direct Install	\$691,082	\$689,814
2%	Commercial & Industrial Multifamily	\$892,627	\$891,229
0%	Comprehensive Marketing - Commercial and Industrial	\$0	\$0
0%	Commercial Pilots	\$12,422	\$12,422
0%	Finance Costs	\$0	\$0
0%	Community Based Initiatives - C&I	\$31,154	\$31,154
3%	RIIB	\$1,262,509	\$1,262,509
0%	Commercial Workforce Development	\$67,500	\$67,500
29%	C&I Total	\$10,423,229	\$10,412,761
15%	Single Family - Income Eligible Services	\$5,437,680	\$5,428,857
9%	Income Eligible Multifamily	\$3,220,968	\$3,215,346
0%	Income Eligible Workforce Development	\$0	\$0
24%	Income Eligible Total	\$8,658,649	\$8,644,203
10%	Energy Star® HVAC	\$3,593,084	\$3,586,787
28%	EnergyWise	\$9,945,132	\$9,928,136
4%	EnergyWise Multifamily	\$1,487,841	\$1,485,368
1%	Home Energy Reports	\$360,501	\$360,501
2%	Residential New Construction	\$622,269	\$621,509
0%	Comprehensive Marketing - Residential	\$69,083	\$69,083
0%	Residential Pilots	\$0	\$0
0%	Community Based Initiatives - Residential	\$93,461	\$93,461
0%	Residential Workforce Development	\$0	\$0
45%	Residential Total	\$16,171,371	\$16,144,845
1%	EERMC	\$283,444	\$274,075
2%	OER	\$616,232	\$625,294
2%	Regulatory Total	\$899,675	\$899,369
100%	Portfolio Total	\$36,152,924	\$36,101,178

Compared (File			
(File	!		
	(Filed)		
-\$3,231	0%		
-\$4,571	0%		
-\$1,268	0%		
	0%		
\$0			
\$0	0%		
\$0			
\$0	0%		
\$0	0%		
\$0	0%		
-\$10,468	0%		
-\$8,823	0%		
-\$5,623	0%		
\$0			
-\$14,446	0%		
-\$6,297	0%		
	0%		
-\$2,473	0%		
\$0	0%		
-\$760	0%		
\$0	0%		
\$0			
\$0	0%		
\$0			
-\$26,526	0%		
-\$9,369	-3%		
\$9,062	1%		
-\$307	0%		
-\$51,747	0%		
	-\$4,571 -\$1,268 -\$1,398 \$0 \$0 \$0 \$0 \$0 \$0 -\$10,468 -\$8,823 -\$5,623 \$0 -\$16,996 -\$2,473 \$0 -\$760 \$0 \$0 \$0 \$0 -\$26,526 -\$9,369 \$9,062 -\$307		



Gas Lifetime Acquisition Cost

\$/LIFETIME MMBtu

Program	2023 (Filed)	2023 (Nov. 29 Update)
Large Commercial New Construction	\$3.94	\$3.93
Large Commercial Retrofit	\$4.57	\$4.56
Small Business Direct Install	\$5.31	\$5.30
Commercial & Industrial Multifamily	\$13.81	\$13.79
C&I Total	\$5.41	\$5.40
Single Family - Income Eligible Services	\$32.14	\$32.09
Income Eligible Multifamily	\$18.68	\$18.64
Income Eligible Total	\$25.34	\$25.30
Energy Star® HVAC	\$6.94	\$6.93
EnergyWise	\$20.30	\$20.26
EnergyWise Multifamily	\$13.47	\$13.45
Home Energy Reports	\$3.93	\$3.93
Residential New Construction	\$10.64	\$10.63
Residential Total	\$12.75	\$12.73
Portfolio Total	\$10.22	\$10.20

2023 (Nov. 29 Update) Compared to 2023 (Filed)		
\$0.00	0%	
\$0.00	0%	
-\$0.01	0%	
-\$0.02	0%	
-\$0.01	0%	
-\$0.05	0%	
-\$0.03	0%	
-\$0.04	0%	
-\$0.01	0%	
-\$0.03	0%	
-\$0.02	0%	
\$0.00	0%	
-\$0.01	0%	
-\$0.02	0%	
-\$0.01	0%	



2023 Planned Gas Spending (Nov. 29th Update Compared to Filed)

Program	Program Planning & Administration	Grand Total
A - Residential	-\$26,526	-\$26,526
Energy Star HVAC	-\$6,297	-\$6,297
EnergyWise	-\$16,996	-\$16,996
EnergyWise Multi Family	-\$2,473	-\$2,473
Residential New Construction	-\$760	-\$760
B - Income Eligible	-\$14,446	-\$14,446
Low Income Multi Family	-\$5,623	-\$5,623
Low Income Single Family	-\$8,823	-\$8,823
C - Commercial & Industrial	-\$10,468	-\$10,468
C&I Multifamily	-\$1,398	-\$1,398
Commercial New Construction	-\$3,231	-\$3,231
Commercial Retrofit	-\$4,571	-\$4,571
Direct Install	-\$1,268	-\$1,268
EERMC	-\$9,369	-\$9,369
OER	\$9,062	\$9,062
Grand Total	-\$51,747	-\$51,747

2