



Rhode Island Energy™
a PPL company

2023 Energy Efficiency Plan Updates

September 29, 2022

Rhode Island Program Budget 2022-2023 Comparison



Electric	2022 (\$000)	2023 (\$000)	Difference (\$000)	Difference (%)
Non-Income Eligible Residential	\$32,857.4	\$32,069.6	-\$787.8	-2.4%
Income Eligible Residential	\$16,814.3	\$16,331.3	-\$483.0	-2.9%
Commercial & Industrial	\$52,954.2	\$51,428.8	-\$1,525.4	-2.9%
Regulatory	\$6,045.4	\$5,689.5	-\$355.9	-5.9%
Grand Total	\$108,671.3	\$105,519.2	-\$3,152.1	-2.9%

Gas	2022 (\$000)	2023 (\$000)	Difference (\$000)	Difference (%)
Non-Income Eligible Residential	\$14,875.0	\$16,171.4	\$1,296.3	8.7%
Income Eligible Residential	\$9,317.6	\$8,658.6	-\$658.9	-7.1%
Commercial & Industrial	\$10,435.7	\$9,882.7	-\$553.0	-5.3%
Regulatory	\$2,277.6	\$2,162.2	-\$115.5	-5.1%
Grand Total	\$36,906.0	\$36,874.9	-\$31.1	-0.1%

Changes since 9/22 EERMC



Rhode Island Energy™
a PPL company

- Fuel cell project removed from the plan due to early stage of development
- Residential Income Eligible Electric (SF) - removed duplicate measure reducing program costs and savings
- Negative gas benefit accounted for in BC model for IE MF CHP projects
- Equity Working Group final report to be included in Attachment 11 if received in time

Substantive Changes to Attachment 2

Large Commercial Retrofit Program

Fuel Cell Project

The Company is aware of a 2 MW fuel cell project under development; however, the Company does not believe this project will progress to completion in 2023 and has therefore not planned for it in budget or savings proposals for 2023. As this project progresses, the Company will follow the appropriate CHP notification procedures outlined in the Authorized CHP Process. ~~Preliminary savings calculations became available in late summer of 2022, and the project has not yet been analyzed in a Technical Assistance study nor screened for cost-effectiveness. The developer believes it is likely the project can be completed during 2023, provided it is financially viable. Therefore, funds for this project have been allocated in the budget and the Company will follow the appropriate notification procedures outlined above.~~



Substantive Changes to Attachment 1

Multifamily

Income Eligible Heating system replacements

In 2023, the Company is proposing that upgrades from the oil/propane heating systems that are identified as near end-of-life be replaced with efficient electric heat pump systems, when feasible, in the income eligible multifamily area. The Energy Efficiency funding will be used to support these heating system replacements and leveraged funding will also be deployed if available. The Company will work with supporting stakeholders (RI OER, DHS, DOE, and others) to identify funding that can be leveraged to replace oil/propane heating systems with high efficiency heat pumps. This need has been presented to the programs as many RI housing authorities find original heating systems from the 1960's entering the end of useful life. It would benefit the residents of the housing authorities with lower heating costs while lowering climate emissions as supported by the Rhode Island Act on Climate. While the Company was approached by one housing authority with a specific failed heating system, other similar systems at the remaining housing authorities may also be approaching end of useful life. **Full heating system costs are applied with income eligible heating system replacements and full displaced heating system benefits and corresponding electric usage will be matched with the costs.**

Income Eligible Services

Emergency Heating System Replacements

In 2023, the Company is proposing that upgrades from the oil/propane heating systems that are identified as near end-of-life be replaced with efficient electric heat pump systems. Energy Efficiency funding will be used to support these heating system replacements and leveraged funding will also be deployed when available. **Full heating system costs are applied with income eligible heating system replacements and full displaced heating system benefits and corresponding electric usage will be matched with the costs.**

Substantive Changes to Attachment 2

Large Commercial and Industrial New Construction Program

Pricing Study

In 2023, the Company plans to complete a study of pricing key products. In order to optimize incentive levels for key high-efficiency products, the Company needs a better understanding of pricing for these products compared to baseline equipment. While the Company's Upstream vendors monitor prices for equipment supported through the Upstream initiatives, this data is not readily available for downstream equipment.

With this information in hand, the Company will be better informed to revisit incentive levels for new equipment. A secondary objective of this study will be to inform a future update of total resource costs for these Large Commercial New Construction measures.