Municipal Action Plan

Massachusetts Municipal Wholesale Electric Company

Municipal RCS Roadmap

The Massachusetts Municipal Wholesale Electric Company (MMWEC) is the RCS Program Administrator for 20 Municipal Light Plants (MLPs) in Massachusetts and is responding to the DOER’s request to file a Municipal Action Plan (MAP) on their behalf. The MLPs included in this report are listed below. This report was prepared by Joseph Coles, Manager of Energy Efficiency Programs. Please address all questions and follow up to my attention at jcoles@mmwec.org.

**Program Summary/Description – Home Energy Assessment**

In partnership with the Center for EcoTechnologies (CET), MMWEC provides Home Energy Assessment (HEA) services to customers of 18 Municipal Light Plants in single family homes, condominiums, and apartments in multifamily buildings (of 4 or fewer units with separate metering and heating systems) who heat their homes with electricity, oil, propane, or other non-natural gas fuels. Customers are eligible for a no-cost HEA every three years. 17 MLPs offer traditional HEAs; one MLP (Ipswich) has expanded their HEA service to encompass whole home decarbonization as well.

CET operates a customer service hot line to accommodate customer requests, provide information, and address and note customer concerns. Using the SnuggPro audit software, current conditions are listed for multiple areas of concern throughout the home and suggested goals for each area are given, based on observable current conditions and generally accepted residential energy efficiency standards. The report provides estimated costs, savings and Savings to Investment Ratios (SIRs) for each recommendation, allowing the customer to prioritize projects in a way that is best for them. The DOER Scorecard is included in the SnuggPro report and MMWEC/CET will provide updated scorecards following upgrades. Each recipient of an HEA receives three (3) LED bulbs as part of the audit.

With the rise of Covid-19 in the winter of 2020, MMWEC suspended all in-person site visits for both residential HEAs and commercial energy audits and inspections. On March 26, 2020, we began offering virtual HEAs. In June 2021, HELPS began offering in-person audits and post installation inspections again. Overall, we have adopted a hybrid model of audit delivery – providing both virtual and in-person services at the customer’s request to better meet the needs of the customer.

The virtual audits that CET and MMWEC have and still offer to customers are still auditor-directed. Unlike other audit services that use an on-line app with AI to direct a customer to collect the necessary data, MMWEC’s audits utilize a certified auditor to direct the customer, ask questions and “see” (through the customer’s phone, tablet or other device) the actual conditions and equipment within the home. It is our belief that the involvement of the auditor provides a superior and more complete service to the customers – the auditor can explain why we are asking for certain information, can answer questions and can help ensure that accurate data is being collected. We believe that this method provides a more personal and effective service to the MLPs’ customers.

Regardless of the audit type (i.e. in-person or virtual), fuel use history of the home is entered along with physical characteristics of the home (size, construction materials, existing insulation, window quantity and quality, etc.) and characteristics related to the use of that individual home (number, of occupants, thermostat settings, etc.). This data is used to calculate base energy use and populate models to determine potential costs and savings of proposed energy and electrification/ decarbonization measures.

Each customer receives a customized report with the base energy use and recommendations including approximate costs and savings potentials. SnuggPro is configured to incorporate each MLP’s program offerings and branding, including an MLP-specific rebate section where all rebates and other RCS programs are described.

## Table 1 – HEA Eligibility Criteria and Quantity

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MLP** | **Town** | **Allowed frequency of assessment (years)** | **2020 HEAs Performed** | **2021 HEAs Performed** |
| AMLP | Ashburnham | 3 | 21 | 10 |
| BMLD | Boylston | 3 | 9 | 25 |
| CEL | Chicopee | 3 | 87 | 81 |
| GELD | Groton | 3 | 24 | 33 |
| HMLD | Holden | 3 | 70 | 67 |
| HG&E | Holyoke | 3 | 110 | 157 |
| HMLP | Hull | 3 | 24 | 20 |
| IELD | Ipswich \* | 3 | 38 | 90 |
| MMLD | Marblehead | 3 | 39 | 48 |
| PMLD | Paxton | 3 | 20 | 19 |
| PMLD | Princeton | 3 | 13 | 21 |
| RMLD | Russell | 3 | 2 | 3 |
| SELCO | Shrewsbury | 3 | 67 | 83 |
| SHELD | South Hadley | 3 | 48 | 53 |
| SMLD | Sterling | 3 | 19 | 11 |
| TMLWP | Templeton | 3 | 14 | 36 |
| WMGLD | Wakefield | 3 | 185 | 192 |
| WBMLP | West Boylston | 3 | 21 | 15 |

\* IELD offers expanded whole home decarbonization assessments

## Table 2 – 2021 ISMs from HEAs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MLP** | **LED Bulbs** | **Smart Strips** | **Aerators and Rinse Valves** | **Showerheads** | **Thermostats** |
| AMLP | 30 | 0 | 0 | 0 | 0 |
| BMLD | 75 | 0 | 0 | 0 | 0 |
| CEL | 243 | 0 | 0 | 0 | 0 |
| GELD | 99 | 0 | 0 | 0 | 0 |
| HMLD | 201 | 0 | 0 | 0 | 0 |
| HG&E | 447 | 0 | 0 | 0 | 0 |
| HMLP | 60 | 0 | 0 | 0 | 0 |
| IELD | 567 | 12 | 7 | 1 | 1 |
| MMLD | 144 | 0 | 0 | 0 | 0 |
| PMLD | 57 | 0 | 0 | 0 | 0 |
| PMLD | 63 | 0 | 0 | 0 | 0 |
| RMLD | 9 | 0 | 0 | 0 | 0 |
| SELCO | 249 | 0 | 0 | 0 | 0 |
| SHELD | 159 | 0 | 0 | 0 | 0 |
| SMLD | 33 | 0 | 0 | 0 | 0 |
| TMLWP | 108 | 0 | 0 | 0 | 0 |
| WMGLD | 576 | 0 | 0 | 0 | 0 |
| WBMLP | 45 | 0 | 0 | 0 | 0 |

\* IELD offers expanded whole home decarbonization assessments with an increased ISM menu

**Ancillary Services**

## Tracking Customer Participation

MMWEC does not track implementation of recommended measures post assessment on behalf of MLPs. CET sends out a post-visit survey to each customer that received an assessment approximately one week after the appointment. Approximately 20% of participants respond to the survey. The survey asks the following questions:

* Did the Home Energy Advisor spend adequate time in your home?
* Did the Home Energy Advisor address all your concerns?
* Do you think the energy savings materials installed during your visit are valuable?
* Overall, how valuable was the Massachusetts Home Energy Scorecard in helping you understand the energy use in your home?
* Do you plan on moving forward with recommendations in the report?

Respondents are given an opportunity to provide written feedback or comments. MMWEC/CET respond to any concerns or comments that require follow up action.

## Marketing Outreach Strategies

MMWEC maintains an overall website for the NextZero program with details specific to each MLP’s suite of energy efficiency, decarbonization and sustainability, and distributed generation/demand response program offerings. This website includes a translation utility to provide access to MLP-specific information for non-English speaking customers. [Please note, in early 2022, the website was rebranded from HELPS to NextZero].

MMWEC provides member MLPs with a suite of digital and physical marketing materials including bill stuffers, flyers, handouts, press releases, and social media material. Individual MLPS utilize this material in ways that seem best suits their needs, including distribution at the MLP office, bill inserts, physical handouts at events, press releases, inclusion on MLP websites, and social media posts. Some MLPs utilize additional marketing channels, such as TV and radio. MMWEC respects each MLP’s autonomy to make decisions on how best to educate their customers and market their programs.

When requested by an MLP, MMWEC provides assistance in staffing customer facing events including Farmers Markets, EV Ride and Drives, C&I Customers Summits, and other similar events. Please note that such in-person events have been very infrequent due to Covid19 safety protocols in 2020 and 2021.

## Reporting

MMWEC provides periodic reports of RCS activities, including quantities and spending. MMWEC also provides analysis to determine trends in customer behavior and requests.

## Other Strategies

No MLP participating in the MMWEC NextZero programs currently recommends contractors or provides any sort of approved or participating contractor lists. The HEA process does include information given to the customer on how to choose a contractor, including information essentially similar to that found on the Commonwealth of Massachusetts website.

While the HELPS (now NextZero) website includes language translation, as noted above, MMWEC does not currently provide reports or marketing materials in other languages.

MMWEC has always been able to link HEI rebates to HEAs since the HEI rebates require the HEA. The link between other rebates and the HEA has been harder to establish. The new Snugg Pro HEA software will allow a closer linking of improvements and HEAs since they include the DOER Scorecard.

## Outreach to “Hard To Reach” customers and EJ Communities

All MLPs participating in NextZero programs are actively seeking to increase outreach to and participation by “Hard to Reach” customers and customers in EJ Communities. The MLPs have announced that equity will be a factor in future decision making processes. Participating MLPs have begun forming, or already have formed, partnerships with local community and other groups and have been meeting with these groups to better learn the needs of the affected communities, and to help customers learn about MLP offerings and to help receive heating assistance or other sustainability help. MMWEC has already introduced a translation service to the NextZero website, as described above, and has taken steps to increase the list of rebate-eligible products to include less expensive products. Future steps are being actively considered, and could include financing, increased income-eligible incentives, additional community meetings and projects, and product giveaways.

## Rebate Processing

MMWEC works with Energy Federation, Inc. (EFI) to process rebate applications for many NextZero participating MLPs. Applications can be submitted either on-line or in hardcopy form. EFI provides a full service of rebate approval and fault correction services.

MMWEC maintains a NextZero hotline phone number for customers with questions about the rebate application process. This hotline is staffed by MMWEC staff. Our experience with the hotline is that the most frequent reasons for customer calls are to check on the status of an application and for help in supplying missing documentation. EFI provides the Tableau rebate processing database which allows MMWEC staff to review rebate application processing, down to an individual customer and document level. Tableau allows MMWEC staff to provide personal service and help walk the customers through the process.

MLPs using MMWEC to process rebates provide customer payments in the form of a pre-paid debit card (for rebate payments of $125 or less) or check (for payments of $126 or more). Certain MLPs (Peabody and West Boylston) provide all rebate payments in the form of on-bill credits.

Some MLPs process rebate applications in house.

## Table 3 - Rebate Administration

|  |  |  |  |
| --- | --- | --- | --- |
| **MLP** | **Town** | **MMWEC Administration** | **MLP Administration** |
| AMLP | Ashburnham | Yes |  |
| BMLD | Boylston | Yes |  |
| CEL | Chicopee | Yes |  |
| HMLD | Holden | Yes |  |
| HG&E | Holyoke |  | Yes |
| HMLP | Hull | Yes |  |
| IELD | Ipswich |  | Yes\* |
| MMLD | Marblehead | Yes |  |
| PMLD | Paxton | Yes |  |
| PMLP | Peabody | Yes (Credit) |  |
| PMLD | Princeton | Yes |  |
| RMLD | Russell | Yes |  |
| SELCO | Shrewsbury | Both\*\* | Both\*\* |
| SHELD | South Hadley | Both\*\* | Both\*\* |
| SMLD | Sterling | Yes |  |
| TMLWP | Templeton | Yes |  |
| WMGLD | Wakefield |  | Yes |
| WBMLP | West Boylston | Yes (Credit) |  |

\*In mid-2021 IELD changed its program offerings, bringing incentive processing in house

\*\*SELCO and SHELD processes some rebates with MMWEC and some in house

## Air Source Heat Pump Consultations

As heat pumps of all types have become more common, HVAC contractors have become more aggressive in promoting heat pump installations to MLP customers. MMWEC and the MLPs have found that not all customers fully understand some of these proposed installations. To meet this concern, in 2021, MMWEC, working with CET, designed a Heat Pump Consultation service to provide participating MLP customers an independent third party expert (CET) to ask questions and fully understand how heat pumps might be applicable for their homes. The service can also include review of plans, performing sizing reports (to accurately determine air conditioning and heating loads) and post install QAQC*.* This Service is available to MLPs in one of two Tiers (Gold or Silver), each offering different services, as detailed below:

## Table 4 – Air Source Heat Pump Consultation Services

|  |  |  |
| --- | --- | --- |
| **MLP** | **Town** | **ASHP Consultation Tier** |
| BMLD | Boylston | Silver |
| HMLD | Holden | Silver |
| IELD | Ipswich | Silver |
| MMLD | Marblehead | Silver |
| PMLD | Paxton | Silver |
| PMLD | Princeton | Gold |
| SELCO | Shrewsbury | Gold |
| SHELD | South Hadley | Gold |
| WBMLP | West Boylston | Gold |

|  |  |  |
| --- | --- | --- |
| **Silver Tier Element** |  | **Gold Tier Element** |
| Preferred Contractor Lists & Contractor Training |  | Preferred Contractor Lists & Contractor Training |
| Community Outreach Webinar & Social Media Support |  | Community Outreach Webinar & Social Media Support |
| Air Source Heat Pump Hotline & Consultations |  | Air Source Heat Pump Hotline & Consultations |
| Reviewing & Approval of Contractor ASHP Designs |  | Expanded Home Energy Audit & Manual J Calculations |
| Post-Installation QA Verification |  | ASHP Design Review & Consultation with Customers |
|  |  | Approval of Contractor ASHP Design |
|  |  | Post-Installation QA Verification |

## EV Scheduled Charging

To encourage owners of electric vehicles (EVs) to use chargers during off-peak hours only, participating MLPs have offered either a free or discounted smart level 2 EV charger to customers in exchange for their agreement to allow the MLP to control the charger’s use for a three-year period. The table below shows the active chargers in each participating MLP’s territory. MMWEC dials down participating chargers (typically 5 to 9 PM each non-holiday weekday). MMWEC works with the charger manufacturers which are able to control groups of chargers at one time through Wi-Fi connections. Each day, MMWEC uses the manufacturers’ portal to access and shed load for participating chargers.

Beginning in July 2021, the Scheduled Charging program added a new EVSE manufacturer - Enel X, which produces the JuiceBox brand chargers. A feature that Enel brings to the table is that customers are able to order chargers from the Enel web store, using a one-time coupon code supplied by the program, and the chargers are shipped directly to the customers. This eliminates the need for MLPs to maintain an inventory of chargers for their customers to pick up. MMWEC anticipates as the remaining inventory of Charge Point chargers are provided to customers, we will begin using JuiceBox units

## Table 5 – EV Scheduled Charging Program

|  |  |  |
| --- | --- | --- |
| **MLP** | **Town** | **MMWEC Administration** |
| CEL | Chicopee | 8 |
| GELD | Groton | 12 |
| HG&E | Holyoke | 3 |
| HMLP | Hull | 5 |
| IELD | Ipswich | 11 |
| MMLD | Marblehead | 53 |
| PMLD | Princeton | 5 |
| SELCO | Shrewsbury | 64 |
| SHELD | South Hadley | 10 |
| SMLD | Sterling | 2 |
| WMGLD | Wakefield | 38 |
| WBMLP | West Boylston | 5 |

Please note, those MLPs in grey are no longer providing chargers to customers (most have substituted participation in Connected Homes), but still have remaining chargers in the program that MMWEC controls

## Connected Homes

Connected Homes is a Demand Response Program using voluntarily enrolled customer-owned smart devices. On forecast peak demand days (up to 5 days per month), working through the Virtual Peaker platform, MMWEC is able to make adjustments to enrolled devices. In return for participation in all events in a month, customers earn a monthly reward which is paid quarterly. The Program has been active since spring of 2020. MMWEC has worked with Virtual Peaker to expand product offerings and in addition to the inclusion of Google Nest and Resideo/Honeywell thermostats in December 2020, and Enel X/JuiceBox EV chargers and Generac home batteries in 2021, Connected Homes is continuing to explore adding additional product types and manufacturers (such as the Flair Puck smart HVAC remote control) to the program.

MMWEC continues to work with participating MLPs to expand the outreach and customer awareness of the program. A suite of marketing and outreach material for use by the participating MLPs, including videos, handout, and social media content is available from MMWEC. MMWEC has also produced social media content and has partnered with the Massachusetts Clean Energy Center to further expand the outreach of Connected Homes.

As of 12/31/21, the Program includes 13 MLPs. 332 Customers, with 485 different devices have enrolled, as the chart below shows.

## Table 6 Connected Homes

|  |  |  |
| --- | --- | --- |
| **MLP** | **Total Customers** | **Total Devices** |
| Belmont | 72 | 98 |
| Groton | 21 | 38 |
| Holden | 16 | 28 |
| Holyoke | 12 | 13 |
| Ipswich | 22 | 39 |
| Mansfield | 28 | 42 |
| Marblehead | 16 | 32 |
| Princeton | 23 | 7 |
| Shrewsbury | 64 | 95 |
| South Hadley | 20 | 24 |
| Sterling | 5 | 9 |
| Wakefield | 29 | 52 |
| West Boylston | 4 | 8 |

## Developments in NextZero (formerly HELPS) Program in 2022

In early 2022 the HELPS and GO (Green Opportunities, MMWEC’s Commercial and Industrial efficiency program) will merge and be rebranded as NextZero. NextZero’s mission is to “provide the most efficient, innovative and equitable path to energy decarbonization for participating MLP communities. This mission emphasizes the critical role that community owned electric systems play in developing the clean energy future.

In 2022 NextZero is increasing the suite of offerings available to participating MLP customers. These new offerings include battery operated lawn equipment (see below), ground source heat pumps, heat pump pool heaters and induction ranges. NextZero will continue to explore additional opportunities to assist MLP customers in their journeys towards carbon neutrality.

## Battery Operated Lawn Equipment Rebate Pilot

In early June 2021, one MLP (SELCO) elected to begin offering rebates on rechargeable battery operated lawn equipment. SELCO also promoted these rebates with a local retailer of this equipment (Papa’s Hardware). By late June, the first rebate applications from customers began arriving for processing. The pilot has been quite successful with 175 devices having received rebates. Battery Operated Lawn Equipment has become a regular NextZero rebate program offering beginning in 2022. Thus far, seven MLPs have added battery operated lawn equipment rebates to their program portfolios.

## Manufacturer Discounts

In our effort to help MLP customers make the transition to more efficient and sustainable appliances, space heating and transportation, NextZero partners with manufacturers and retailers of efficient equipment in joint marketing efforts and/or providing MLP customers special discounts or pricing. As an example, Papa’s Hardware in Shrewsbury and SELCO worked together to market the battery operated lawn equipment rebates in 2021. This promotion included special in-store signage and offers by Papa’s and mention of the offer on the SELCO website. We should note that this SELCO joint effort with Papa’s did not limit customers’ choice of retailer when purchasing rebate-eligible lawn equipment. Special pricing currently available to MLP customers includes a $3000 discount from Quirk Chevrolet in Braintree on the purchase of a new Chevy Bolt EV, and Mitsubishi’s offer of a discount of up to $600 on the purchase of mini split heat pumps (when installed by a Mitsubishi diamond contractor).

## MLP Solar Rebate Grant

In 2019, the DOER offered a grant to help MLPs provide incentives for the installation of residential solar PV projects. Incentives of up to $1.20 per watt were included with DOER funding providing 50% and the MLPs supplying the other 50%. On behalf of 17 participating MLPs, MMWEC applied for a total grant of $1.1 million and was awarded $772,200, which would be matched by the participating MLPs.

In late December 2019, the DOER announced a second phase of this MLP Solar Grant. On behalf of the same 17 participating MLPs, in early January. MMWEC submitted an application for an additional $327,800. This second round of funding was officially announced by DOER in June. Participating MLPs are already putting this additional funding to use.

The deadline for project application was June 30, 2021. Due to the COVID pandemic, earlier in the year, DOER extended the deadline for completion of projects. Customers that applied for a rebate prior to December 31, 2020 were given 18 months after application to complete their installations. Starting January 1, 2021, DOER reverted back to the 12-month completion timeline.

A last few projects are still in the DOER approval process. A few MLPs are electing to continue customer rebates, but without any DOER matching funds. These MLPs are indicated by an (\*) on the table below.

## Table 7 MLP Solar Rebate Grant

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MLP** | **Total Incentive Budget** | **# of Projects** | **Total kW** | **Total Rebate $ Reserved/Pending** |
| Ashburnham | $18,000 | 3 | 15.0 | $18,000 |
| Boylston | $85,464 | 7 | 71.2 | $85,464 |
| Chicopee | $70,746 | 7 | 59.0 | $70,746 |
| Groton | $32,000 | 5 | 26.7 | $31,992 |
| Holden | $50,000 | 9 | 43.8 | $50,000 |
| Ipswich\* | $360,000+ | 38 | 280.3 | $342,835+ |
| Mansfield | $133,230 | 12 | 111.0 | $133,230 |
| Marblehead | $71,824 | 14 | 62.2 | $74,681 |
| Paxton | $10,800 | 2 | 9.0 | $10,800 |
| Princeton | $18,000 | 4 | 20.0 | $18,000 |
| Shrewsbury\* | $305,886 | 30 | 253.7 | $304,410 |
| South Hadley | $200,000 | 19 | 161.4 | $193,728 |
| Sterling | $24,000 | 4 | 20.0 | $24,000 |
| Templeton | $73,550 | 7 | 58.6 | $70,320 |
| Wakefield\* | $346,366 | 36 | 290.0 | $348,030 |
| West Boylston | $72,000 | 7 | 52.8 | $63,354 |

+ Please note that IELD awards additional rebate funds beyond that of the standard program. To date, IELD’s additional rebates total $78,473 for a total enhanced award of $421,308.

# Ashburnham Municipal Light Plant (AMLP)

Municipal Action Plan

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $5,052,862 |
| Annual RCS Budget Threshold | **$12,632** |
| Total Residential Electric Sales (kWh) | 12,999,709 |
| Number Residential Electric Customers | 2,888 |

## Municipal RCS Roadmap – 2022 Budget

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $5,380 | 20 audits |
| ISM provided during audits (LED Bulbs) | $120 | 60 LED bulbs |
| ASHP Consults | $1,225 | 7 Consultations |
| Energy Star Appliance and Thermostat Rebates | $1,395 | 18 Rebates |
| Cool Homes Rebates | $4,000 | 10 Rebates |
| Tier 1 and Tier 2 and Optional Admin Costs | $13,291 | N/A |
| **Total** | $25,411 |  |

**2022 Rebate Offering**

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Incentive** |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Boylston Municipal Light Plant (BMLP)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment | Y | Rebates for battery operated lawn equipment |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $3,845,608 |
| Annual RCS Budget Threshold | **$9,614** |
| Total Residential Electric Sales (kWh) | 22,131,418 |
| Number Residential Electric Customers | 2,146 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $8,840 | 30 audits |
| ISM provided during audits (LED Bulbs) | $180 | 90 LED bulbs |
| ASHP Consults | $875 | 5 Consultations |
| Energy Star Appliance and Thermostat Rebates | $1,860 | 24 Rebates |
| HEI Rebates | $2,500 | 5 Rebates |
| Cool Homes Rebates | $6,000 | 15 Rebates |
| Battery Operated Lawn Equipment | $1,668 | 30 Rebates |
| MLP Solar Rebate Program (remaining projects) | $10,725 | 2 Projects |
| Tier 1 and Tier 2 and Optional Admin Costs | $10,552 | N/A |
| **Total** | $43,200 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Chicopee Electric Light Department (CEL)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment | Y | Rebates for battery operated lawn equipment |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $58,066,208 |
| Annual RCS Budget Threshold | **$145,166** |
| Total Residential Electric Sales (kWh) | 200,406,579 |
| Number Residential Electric Customers | 23,186 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $29,650 | 100 audits |
| ISM provided during audits (LED Bulbs) | $600 | 300 LED bulbs |
| ASHP Consults | $8,750 | 50 Consultations |
| Energy Star Appliance and Thermostat Rebates | $14,183 | 183 Rebates |
| HEI Rebates | $10,000 | 20 Rebates |
| Cool Homes Rebates | $28,000 | 70 Rebates |
| Battery Operated Lawn Equipment | $16,680 | 300 Rebates |
| Residential EV Charger Rebates | $7,700 | 11 Chargers |
| MLP Solar Rebate Program (remaining projects) | $4,224 | 1 Project |
| CEL EV Monthly Incentives | $1,536 | 16 Customers |
| Tier 1 and Tier 2 and Optional Admin Costs | $58,677 | N/A |
| **Total** | $180,000 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| Scheduled EV Charging Incentive | Full battery EV and participation in scheduled charging | $8 / mo |
| Scheduled EV Charging Incentive | PHEV and participation in scheduled charging | $4 / mo |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

## Chicopee Community Caring Fund (CCCF)

CEL actively supports the Chicopee Community Caring Fund (CCCF). The CCCF is a non-profit fund established in conjunction with the Valley Opportunity Council ("VOC"). It allows us as a community to give back to our community. Specifically, CCCF was founded to provide aid for individuals and families of Chicopee, who, because of financial difficulty, cannot meet their monthly electric utility expenses. CEL promotes contributions to CCCF on its website and through other marketing channels. Historically, CEL has matched the funds raised through the CCCF.

## Fuel Assistance

CEL provides assistance to customers struggling to pay their heating and utility bills by providing information on fuel assistance and directing them to the Valley Opportunity Council’s Fuel Assistance and Heating Repair and Weatherization Programs and Wayfinders’ Emergency Housing Assistance Program.  Information about this assistance is distributed by CEL in bill stuffers, newsletters and as handouts in the CEL office.

# Groton Electric Light Department (GELD)

Municipal Action Plan – Addendum

Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $10,600,000 |
| Annual RCS Budget Threshold | **$26,500** |
| Total Residential Electric Sales (kWh) | 44,007,340 |
| Number Residential Electric Customers | 4,227 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $8,070 | 30 audits |
| ISM provided during audits (LED Bulbs) | $180 | 90 LED bulbs |
| Connected Homes Device Rewards and Charges | $2,850 | 57 Devices |
| Residential EV Charger Rebates | $800 | 2 Chargers |
| Tier 1 and Tier 2 and Optional Admin Costs | $29,673 | N/A |
| **Total** | $41,573 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Residential EV Scheduled Charging | Full Battery EV | $400 rebate |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 rebate |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 rebate |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

## LED Bulb Sales and Switch and Socket Plate Insulation Gaskets

GELD customers may purchase LED bulbs in 3 different sizes directly from GELD at a price below normal retail. GELD also offers, free of charge, insulated foam gaskets designed to be used behind electric switch and socket plates.

## Watt Meter

GELD customers can borrow a GELD-owned watt meter to learn precisely how much electricity their appliances are using. GELD directs customers to measure the appliance’s electric use for 3 days and then multiply the result by 10 to determine monthly electricity use and cost. GELD believes this data is important to a customer as retirement of an old appliance or purchase of a new appliance is considered.

## Infrared Home Photography

Upon request by a customer, a GELD staff member will use an infrared camera to scan and photograph the envelope of a home to help determine heat loss. GELD produces a report for the customer with photos of problem areas. GELD believes this service allows customer to focus envelope improvement projects on those problem areas.

## Time-of-use rates

GELD offers voluntary time of use rates both to help customers save electric costs and to ease the impact on the grid that will result from widespread electrification of transportation and space heating.

# Holden Municipal Light Department (HMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $13,900,000 |
| Annual RCS Budget Threshold | **$34,750** |
| Total Residential Electric Sales (kWh) | 69,059,113 |
| Number Residential Electric Customers | 7,723 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $25,233 | 80 audits |
| ISM provided during audits (LED Bulbs) | $480 | 240 LED bulbs |
| ASHP Consults | $2,625 | 15 Consultations |
| Energy Star Appliance and Thermostat Rebates | $7,983 | 103 Rebates |
| HEI Rebates | $13,500 | 27 Rebates |
| Cool Homes Rebates | $20,000 | 50 Rebates |
| Connected Homes Device Rewards and Charges | $2,100 | 42 Devices |
| Tier 1 and Tier 2 and Optional Admin Costs | $47,627 | N/A |
| **Total** | $119,548 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Holyoke Gas and Electric Department (HG&E)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | No | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | No | Rebates for household appliances and devices |
| Heating and Cooling Rebates | No | Rebates for heat pumps and central ACs |
| EV Charging PRogram Charging | No | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| Residential Energy Conservation Program | No | 0% interest loans for select Energy Efficiency projects |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $65,012,362 |
| Annual RCS Budget Threshold | **$162,531** |
| Total Residential Electric Sales (kWh) | 108,100,955 |
| Number Residential Electric Customers | 14,902 |
| Total Residential Gas Sales (kWh) | 746,688 |
| Number Residential Gas Customers | 10,367 |

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $40,350 | 150 audits |
| ISM provided during audits (LED Bulbs) | $900 | 450 LED bulbs |
| Energy Star Appliance and Thermostat Rebates | $10,850 | 195 devices |
| Weatherization and Insulation Rebates | $53,500 | 35 projects |
| AC and Heat Pump Rebates | $27,500 | 25 customers |
| Connected Homes Device Rewards and Charges | $1,000 | 20 Devices |
| Residential EV Charger Rebates | $12,600 | 17 chargers |
| EV Voluntary Charging Rwards | $1,440 | 12 customers/12 months |
| Residential Energy Conservation Loan Program | $350,000 | 35 customers |
| Tier 1 and Tier 2 and Optional Admin Costs | $44,000 | n/a |
| Marketing and Education | $53,800 | n/a |
| HG&E Internal Administration | $140,000 | n/a |
| **Total** | **$735,940** |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Dishwasher | ENERGY STAR or CEE Tier I | $25 |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR or CEE Tier I | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR; replacing natural gas dryer | $250 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $350 |
| Solar or Electric Storage Water Heater | Replacing gas water heater; post install visit required | $150 |
| Solar or Electric Storage Water Heater | Replacing oil or propane water heater; post install visit required | $300 |
| Electric Heat Pump Water Heater | ENERGY STAR; replacing electric water heater; post install visit required | $300 |
| Electric Heat Pump Water Heater | ENERGY STAR; replacing gas water heater; post install visit required | $600 |
| Electric Heat Pump Water Heater | ENERGY STAR; replacing oil or propane water heater; post install visit required | $750 |
| Refrigerator | ENERGY STAR or CEE Tier I | $50 |
| Refrigerator | ENERGY STAR “Most Efficient” or CEE Tier 3 | $75 |
| Room Air Conditioner | ENERGY STAR | $25 |
| Thermostat | 7 day Programmable | 50% up to $50 |
| Wifi Enabled Smart Thermostat | ENERGY STAR; must also be enrolled in Connected Homes | 50% up to $150 |
| Central AC | SEER 16+; EER 13+ | $100/ton; max $500 |
| Air Source Heat Pump (Ducted or Minisplit) | SEER 18+; EER 12.5+; HSPF 9+13+ | $250/ton; max $500 |
| Whole Home Heat Pump (Tier 1) | Must provide 100% of heat | $600/ton; max $2,400 single family home; $1,200 per unit multi family |
| Whole Home Heat Pump (Tier 2) | Must provide 100% of heat; must decommission older heating system | $7500/ton; max $3,000 single family home; $1,500 per unit multi family |
| Whole Home Heat Pump Weatherization Rebate | Weatherization must be combined with Whole home Heat Pump project | 75% of cost; max $3,000 single family home; $1,500 per unit multi family |
| Blower Door Test | pre audit, post install visit | 50% up to $2,000 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50% up to $2,000 |
| Insulation | pre audit, post install visit | 50% up to $2,000 |
| Duct Sealing / Pipe Insulation | pre audit, post install visit | 50% up to $2,000 |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5 per mo |
| HVAC Controls – Google Next, Honeywell, Flair, Sensibo | Enroll in Connected Homes; must control central AC and/or electric heat; 1 device per home | $5 per mo (Nov-Apr); |
| HVAC Controls – Google Next, Honeywell, Flair, Sensibo | Enroll in Connected Homes; must control central AC; 1 device per home | $8 per mo (June-Sept) |
| Residential EV Scheduled Charging | limted charging times | Free level 3 charger or $450 |
| Residential Energy Conservation Program | 0% interest loans for efficiency improvements | Max $10K (single family) |

## Fuel Assistance

HG&E supports the work of multiple community organizations, including Valley Opportunity Council, Wayfinders, Veterans Financial Assistance, Springfield Partners for Community Action, Distrigas/Citizens Energy, Council of Churches of Greater Springfield Emergency fuel fund, the Salvation Army Good Neighbor Energy Fund, the United Way 211 First Call for Help, Residential Assistance for Families in Transition and the Holyoke Council on Aging.

**Marketing Strategies**

The HEA program is listed in the Department of Public Works (DPW) Newsletter which is mailed out as an insert with the electric bills so every resident receives a copy and they are listed on the DPW annual calendar.

# Hull Municipal Light Plant (HMLP)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $8,304,686 |
| Annual RCS Budget Threshold | **$20,762** |
| Total Residential Electric Sales (kWh) | 36,013,214 |
| Number Residential Electric Customers | 5,784 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $7,000 | 25 audits |
| ISM provided during audits (LED Bulbs) | $150 | 75 LED bulbs |
| ASHP Consults | $0 | 0 Consultations |
| Energy Star Appliance and Thermostat Rebates | $1,938 | 25 Rebates |
| HEI Rebates | $1,000 | 2 Rebates |
| Cool Homes Rebates | $4,000 | 10 Rebates |
| Residential EV Charger Rebates | $1,400 | 2 Chargers |
| Tier 1 and Tier 2 and Optional Admin Costs | $34,748 | N/A |
| **Total** | $50,236 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |

# Ipswich Electric Light Department (IELD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | N | Includes direct install measures |
| ASHP Consultation Services | N | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | N | Rebates for household appliances and devices |
| High Efficiency Heat Pumps | N | Rebates for heat pumps |
| Weatherization Services Incentive | N | Rebates for testing and air sealing |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| MLP-only Funded Solar Rebates | Y |  |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |
| EV Charger Rebates | N | Free or discounted charger if enrolled in Connected Homes |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $16,837,870 |
| Annual RCS Budget Threshold | **$42,095** |
| Total Residential Electric Sales (kWh) | 50,438,905 |
| Number Residential Electric Customers | 6,111 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $31,280 | 85 audits |
| ISM provided durring audits | $5,000 | 85 customers |
| ASHP Consults | $6,500 | 67 customers |
| Energy Star Appliance and Thermostat Rebates | $9,000 | 75 devices |
| Insulation and Air Sealing Rebates | $20,000 | 12 customers |
| Heat Pump Rebates | $45,000 | 35 heat pumps |
| Battery Operated Lawn Equipment |  |  |
| Connected Homes Device Rewards and Charges | $3,000 | 65 devices |
| Residential EV Charger Rebates | $4,200 | 7 chargers |
| Rechargable Battery Lawn Equipment | $3,500 | 40 devices |
| MLP-only funded Solar Rebates |  |  |
| Water Efficiency Measures |  |  |
| Tier 1 and Tier 2 and Optional Admin Costs | $16,000 | n/a |
| **Total** | $143,480 |  |

*\*\* Incomplete data available*

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Freezer | ENERGY STAR | $50 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| WiFi Enabled Smart Thermostat | ENERGY STAR and enrolled in Connected Homes | 100% |
| Induction Range and Cooktop |  | Up to $750 |
| Air Source Heat Pump | SEER 15+; HSPF 9+COP 1.75+ at max capcy | $1,000 per household |
| Ductless Mini-Split Heat Pump | SEER 15+; HSPF 9+COP 1.75+ at max capcy | $1,000 per household |
| Integrated Controls |  | $100 per indoor unit, max $400 |
| Blower Door Test & Air Sealing | Audit required | 75% up to $2,000 |
| Blower Door Test & Air Sealing when bundled with heat pump installation | Audit required | 75% of cost |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Zero-Turn Electric Riding Lawn Mower | Rechargeable Battery | 50% up to $400 |
| Riding Electric Lawn Mower (Not Zero Turn) | Rechargeable Battery | 50% up to $200 |
| Push Electric Lawn Mower | Rechargeable Battery | 50% up to $100 |
| Misc Lawn Equipment | Rechargeable Battery | 50% up to $40 |
| Electric Snow Blower | Rechargeable Battery | 50% up to $100 |
| Smart Level 2 EV Charger | enrolled in Connected Homes | Free |
| MLP Solar Rebate Program | systems with DOER approval | $0.60 / Watt |
| MLP-only funded Solar Rebates | Shading and Azimuth restrictions; max 25 Kw | $0.30 / Watt |

**ReSource Ipswich**

Based on IELD’s defined mission to “Provide a reliable electric system and ancillary services to our customers in a sustainable way at a reasonable price”, IELD has developed the state’s first whole home decarbonization program, ReSource Ipswich. Incorporating residential energy conservation assessments, heat pump consultations, and a site of both energy and water savings measures nd rebates, IELD believes that this approach complies with its Sustainability Strategy to “Seek solutions that are economically, socially and environmentally responsible.” Customers participating in these enhanced decarbonization audits receive a wider range of Instant Savings Measures (ISMs) including: a variety of LED bulbs (including A-bulbs, 3 way lamps, BR20s, globes, and candle base), faucet aerators, showerheads, and spray valves, programmable and smart thermostats, sand smart strips.

**Home Energy Self Audit**

On its website, IELD provides information about, and links to, the US DOE “Home Energy Saver” tool, which allows residents to learn more about residential energy savings from their electronic device. IELD believes this tool supplements their Whole Home Decarbonization/Residential Energy Assessments.

## Community Assistance

IELD supports multiple community assistance organizations, including those below. IELD’s website priogvides details of these organizaitons and their programs as well as contact information.

**Action Inc.** IELD actively supports Action Inc., a Community Action Agency dedicated to building an equitable and resilient community for all residents of Cape Ann. Action Inc’s Fuel Assistance Program provides to IELD Customers having difficulty in paying heating and utility bills. Action Inc. also provides weatherization and energy efficiency services to income-eligible residents in the community.

**LIHEAP** helps low-income individuals and families with the cost of heating their homes during the winter season by providing regular monthly support toward recurring heating bills.

**Cape Ann Emergency Relief Fund** provides direct support for families affected by COVID-19 closures helping hourly workers struggling with lost income pay for food, household supplies, prescriptions, rent, utilities and medical bills.

**The RAFT Program** (Residential Assistance for families in Transition) is a homelessness prevention program funded by the Department of Housing and Community Development (DHCD). RAFT provides short-term financial assistance to low-income families who are homeless or at risk of becoming homeless.

Salvation Army’s Good Neighbor Energy Fund is a one-time emergency financial relief. Income based using the same qualifiers as the LiHEAP program.

**St. Vincent De Paul Society** assists local families in crisis.

**Catholic Charities** assists local families in crisis.

# Marblehead Municipal Light Department (MMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |
| Go Green Now! program | Y | Allows customers to purchase carbon free energy |
| School Based Eduational Program | N | Safety and energy training for school students |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $17,477,009 |
| Annual RCS Budget Threshold | **$43,693** |
| Total Residential Electric Sales (kWh) | 74,188,540 |
| Number Residential Electric Customers | 8,884 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $12,823 | 40 audits |
| ISM provided during audits (LED Bulbs) | $240 | 120 LED bulbs |
| ASHP Consults | $3,500 | 20 Consultations |
| Energy Star Appliance and Thermostat Rebates | $6,975 | 90 Rebates |
| HEI Rebates | $7,500 | 15 Rebates |
| Cool Homes Rebates | $16,000 | 40 Rebates |
| Battery Operated Lawn Equipment | $5,560 | 100 Rebates |
| Connected Homes Device Rewards and Charges | $2,300 | 46 Devices |
| Residential EV Charger Rebates | $23,800 | 34 Chargers |
| School Based Safety and Energy Training | $8175 | N/A |
| Tier 1 and Tier 2 and Optional Admin Costs | $64,815 | N/A |
| **Total** | $152,013 |  |

**2022 Rebate Offering**

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

**Go Green Now**

MMLD offers customers an opportunity to voluntarily agree to an extra charge for their power so that carbon-free energy can be purchased.

**Marblehead “Neighbors Helping Neighbors”.**

MMLD actively supports Marblehead Neighbors Helping Neighbors which provides assistance to MMLD customers that have fallen behind on MMLD bills due to experiencing financial difficulties or income loss due to Covid-19. MMLD promotes this program on its website (including both opportunities for MMLD customers to contribute and to apply for benefits) and through other marketing channels.

**School Safety and Conservation Education Program**

MMLD sponsors a series of in-person and video educational presentations in the Marblehead town schools to promote safety and energy awareness for students.

# Paxton Municipal Light Department (PMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $3,049,250 |
| Annual RCS Budget Threshold | **$7,623** |
| Total Residential Electric Sales (kWh) | 17,154,375 |
| Number Residential Electric Customers | 1,714 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $7,825 | 25 audits |
| ISM provided during audits (LED Bulbs) | $150 | 75 LED bulbs |
| ASHP Consults | $875 | 5 Consultations |
| Energy Star Appliance and Thermostat Rebates | $2,248 | 29 Rebates |
| HEI Rebates | $4,000 | 8 Rebates |
| Cool Homes Rebates | $4,000 | 10 Rebates |
| Battery Operated Lawn Equipment | $1,112 | 20 Rebates |
| Tier 1 and Tier 2 and Optional Admin Costs | $8,611 | N/A |
| **Total** | $28,821 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amounts** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Peabody Municipal Light Plant (PMLP)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | N | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $51,990,357 |
| Annual RCS Budget Threshold | **$129,976** |
| Total Residential Electric Sales (kWh) | 196,216,061 |
| Number Residential Electric Customers | 22,191 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment |  |  |
| ISM provided during audits (LED Bulbs) |  |  |
| ASHP Consults | $4,375 | 25 Consultations |
| Energy Star Appliance and Thermostat Rebates | $13,563 | 175 Rebates |
| Cool Homes Rebates | $24,000 | 60 Rebates |
| Battery Operated Lawn Equipment | $16,680 | 300 Rebates |
| Connected Homes Device Rewards and Charges | $2,000 | 40 Devices |
| Tier 1 and Tier 2 and Optional Admin Costs | $51,265 | N/A |
| **Total** | $111,883 |  |

*\*\* Incomplete data available*

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |

## Energy Awareness Program

To facilitate an open line of communication between PMLP and the people of Peabody and South Lynnfield, the PMLP General Manager will hold quarterly public meetings to hear the concerns of ratepayers and to provide updates to the public. These meetings will take place at different times of day to enable as many ratepayers as possible to attend.

## Community Partnership

PMLP actively supports North Shore Community Action’s Weatherization Assistance Program, providing funding for weatherization and other efficiency upgrades for income-eligible residents. PMLP also solicits contributions for NSCAP on its website.

## Prompt Payment Discount

PMLP provides a 20% prompt payment discount for payment within 15 days of the issuance of the bill and provides extensions for those customers receiving checks at certain times of the month.

# Princeton Municipal Light Department (PMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $3,873,002 |
| Annual RCS Budget Threshold | **$9,683** |
| Total Residential Electric Sales (kWh) | 12,710,700 |
| Number Residential Electric Customers | 1,385 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $7,030 | 20 audits |
| ISM provided during audits (LED Bulbs) | $120 | 60 LED bulbs |
| ASHP Consults | $875 | 5 Consultations |
| Energy Star Appliance and Thermostat Rebates | $2,170 | 28 Rebates |
| HEI Rebates | $6,000 | 12 Rebates |
| Cool Homes Rebates | $6,000 | 15 Rebates |
| Battery Operated Lawn Equipment | $1,112 | 20 Rebates |
| Connected Homes Device Rewards and Charges | $500 | 10 Devices |
| Residential EV Charger Rebates | $2,800 | 4 Chargers |
| MLP Solar Rebate Program (remaining projects) | $6,000 | 2 Projects |
| Tier 1 and Tier 2 and Optional Admin Costs | $22,732 | N/A |
| **Total** | $55,339 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Russell Municipal Light Department (RMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $848,856 |
| Annual RCS Budget Threshold | **$2,122** |
| Total Residential Electric Sales (kWh) | 3,328,459 |
| Number Residential Electric Customers | 427 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $1,483 | 5 audits |
| ISM provided durring audits (LED Bulbs) | $30 | 15 LED bulbs |
| Energy Star Appliance and Thermostat Rebates | $388 | 5 Rebates |
| HEI Rebates | $500 | 1 Rebates |
| Cool Homes Rebates | $800 | 2 Rebates |
| Tier 1 and Tier 2 and Optional Admin Costs | $4,194 | N/A |
| **Total** | $7,394 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |

# Shrewsbury Electric and Cable Operations (SELCO)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |
| EV Purchase Rebates | N | Rebates for purchases and leases of new and used EVs |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $31,569,937 |
| Annual RCS Budget Threshold | **$78,925** |
| Total Residential Electric Sales (kWh) | 138,556,672 |
| Number Residential Electric Customers | 14,679 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Program Name** | **Total Incentives** | **Planned Volume (units)** |
| Residential Energy Assessment | $29,150 | HEA 100; LED 300; 15 PII visits |
| ASHP Consults | $19,600 | 112 Projects |
| Energy Star Appliance Rebates | $32,200 | 460 Rebates |
| HEI Rebates | $12,000 | 25 Rebates |
| Cool Homes Rebates | $70,000 | 175 Rebates |
| Battery Operated Lawn Equipment | $16,680 | 300 Rebates |
| Connected Homes Devices | $4,360 | 218 Total Devices |
| EV Scheduled Charging | $35,000 | 50 additional EVSE |
| MLP Solar Rebate Program | $22,812 | 4 Projects |
| SELCO-only funded Solar Rebates | $120,000 | 15 Projects |
| Residential EV Rebates | $70,000 | 80 EVs |
| Residential Battery Program | $2,500 | 10 rebates |
| Program Marketing & Education | $18,000 | Advertising, Educational Materials, Content Development |
| Community Events & Outreach | $15,000 | Various public events and outreach. |
| Tier 1 and Tier 2 and Optional Admin Costs | $97,297 | N/A |
|  | **$564,599** |  |

**2022 Rebate Offering**

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central AC | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Hedge Trimmer | Rechargeable Battery | $40 |
| Electric Pressure Washer | Rechargeable Battery | $40 |
| Electric Rototiller | Rechargeable Battery | $40 |
| Electric Chain or Pole Saw | Rechargeable Battery | $40 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| Electric Snow Blower | Rechargeable Battery | $100 |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |
| SELCO-only funded Solar Rebates | Shading and Azimuth restrictions; rebate issued on max 10 kW ($8,000 total value), but there is no project size cap. | $0.80/Watt |
| Purchase New or Used All Electric Vehicle (EV) MY 2017 or newer | Base Vehicle Rebate | $1,000.00 |
| Purchase New or Used All Electric Vehicle (EV) MY 2017 or newer | Battery Size | $10/kWh |
| Purchase New or Used All Electric Vehicle (EV) MY 2017 or newer | Income Qualified | $600 |
| Purchase New or Used Plug-In Hybrid Electric Vehicle (PHEV) MY 2017 or newer | Base Vehicle Rebate | $400.00 |
| Purchase New or Used Plug-In Hybrid Electric Vehicle (PHEV) MY 2017 or newer | Battery Size | $5/kWh |
| Purchase New or Used Plug-In Hybrid Electric Vehicle (PHEV) MY 2017 or newer | Income Qualified | $240 |
| New Lease All Electric Vehicle (EV) | Base Vehicle Rebate | $800.00 |
| New Lease All Electric Vehicle (EV) | Battery Size | $8/kWh |
| New Lease All Electric Vehicle (EV) | Income Qualified | $480 |
| New Lease Plug-In Hybrid Electric Vehicle (PHEV) | Base Vehicle Rebate | $320.00 |
| New Lease Plug-In Hybrid Electric Vehicle (PHEV) | Battery Size | $4/kWh |
| New Lease Plug-In Hybrid Electric Vehicle (PHEV) | Income Qualified | $240 |
| New E-Bike | Base Vehicle Rebate | $100 |
| New E-Bike | Income Qualified | $60 |

**Outreach and Community Responsibility**

SELCO’s role as a community leader is built on our commitment to working cooperatively with diverse stakeholder groups for the overall benefit of our customers. We seek to have a positive economic, social, and environmental impact on our community through good corporate citizenship and a focus on environmental justice issues. SELCO is planning targeted marketing efforts in 2022 that will seek to educate EJ customers about a variety of programs and opportunities including rebates, monthly Connected Homes incentives, electric vehicles, and Share the Warmth assistance. We will continue to improve upon our community outreach and relationship building within EJ communities. SELCO will also consider adoption of an official Environmental Justice resolution that will solidify our commitment to equitable access and engagement for these under-served customers.

SELCO engages in extensive efficiency and electrification program marketing and outreach to all customer groups in Shrewsbury. Marketing channels include: public events, TV advertising, streaming video ad insertion, social media advertising, print advertising, direct mail, newsletter articles, informational videos, community partnerships and more.

Shrewsbury Electric and Cable Operations (SELCO) released its first-ever annual Sustainability Report. The 2021 Sustainability Report consists of three main areas: Energy & Environment, Social Responsibility, and Governance & Management.

The ongoing transformation of the energy industry coupled with shifts in consumer expectations have increased calls for improved transparency and accountability from both public and private utilities. In an effort to measure performance in all areas of sustainability, set goals, and track progress in achieving decarbonization, SELCO’s annual Sustainability Report will provide a one-stop reference and overview of the many activities and efforts underway within the organization. The report can be viewed online at SELCO.ShrewsburyMA.gov/sustainability.

SELCO’s 2021 Sustainability Report details progress made toward the goal of net-zero carbon emissions in alignment with our Power Supply Policy, establishes baselines for performance in a variety of areas stemming from strategic electrification, and identifies goals for future improvement. An update of this report will be released annually to showcase SELCO’s progress and goals relating to sustainability, decarbonization, and electrification as well as governance, transparency, social responsibility, and environmental justice.

**Share the Warmth**

Each year SELCO asks the community to support Share the Warmth, a program that assists Shrewsbury residents in need with funding to maintain electric service for heat, light and hot water through the cold winter months. Each year the community responds kindly. SELCO has partnered with local social service agencies to ensure Share the Warmth applications are available at a vari­ety of locations, including Shrewsbury Youth and Family Services, St. Anne’s Community Services, the First Congregational Church, St. Mary’s Church, and at the Shrewsbury Council on Aging Senior Center. At the November 2020 SELCO Commission meeting, the board appropriated $10,000 in surplus funds to bolster the Share the Warmth program. Nearly 100 SELCO customers received $285 each in Share the Warmth funding in 2021. This assistance was distributed as a credit on each customer’s electric bill in March to offset current, future, or past-due electric costs.

**COVID Relief Fund**

As SELCO prepared to resume electric disconnections in July 2021 for non-payment of services, it became clear there were a large number of customers in need of assistance. Our staff contacted our local partner agencies (Shrewsbury Council on Aging, Shrewsbury Youth and Family Services, and St. Anne’s Human Services) to establish criteria for a special COVID Elec­tric Relief (CER) program. The CER program was designed to follow similar eligibility requirements as Share the Warmth, but with the added stipulations that applicants must not have received Share the Warmth funding in 2021 and could demonstrate direct financial impacts related to the pandemic (e.g. Unemployment or extended illness).

The SELCO Commission voted in May to establish a one-time COVID Electric Relief (CER) program to assist customers who were financially impacted by the COVID-19 pandemic. This important financial assistance came at a time when vulnerable residents needed it most. SELCO’s CER program was an important tool to help keep the power on for many customers in need. SELCO’s partner agen­cies were able to process all applications and SELCO distributed funding as an on-bill credit to approved recipients prior to the July 2021 round of electric shutoffs. 15 customers received $200 each in COVID Electric Relief funding. Any remaining funds were rolled over into the Share the Warmth program for distribution in March 2022.

**Community Events**

SELCO participates in and sponsors a number of community events and programs throughout each year including:

* STCA Membership
* Community Bulletin Board (Ch. 26)
* LBDA Membership
* Town Cleanup Day Sponsor
* Outdoor Movie Night
* Light the Common
  + Event Sponsor
  + Planning Committee Participant
  + Tech Assistance/Marketing Support
  + Light Up Shrewsbury Photo Contest
* Yuletide Market
  + Participant (STW Fundraiser)
  + Planning Committee Member
  + Provide Power to Event
  + Marketing Support
* Spirit of Shrewsbury
  + Participant
  + Technical Assistance
* Earth Day Celebration
* Shrewsbury Farmers Market
  + Sponsor

# South Hadley Electric Light Department (SHELD)

Municipal Action Plan Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | N | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| Battery Operated Lawn Equipment Pilot | Y | Rebates for battery operated lawn equipment |
| Greenhouse Gas Reduction Program | N | Rebates on purchases of EV Chargers, electric lawn equipment, E-bikes, and electric service upgrades (if necessary for heat pumps or EV charging) |
| Green Choice Program | Y | Customers can purchase renewable energy |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $12,976,736 |
| Annual RCS Budget Threshold | **$32,442** |
| Total Residential Electric Sales (kWh) | 3,057,463 |
| Number Residential Electric Customers | 7,094 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $14,825 | 50 audits |
| ISM provided during audits (LED Bulbs) | $300 | 150 LED bulbs |
| ASHP Consults | $2,625 | 15 Consultations |
| Energy Star Appliance and Thermostat Rebates |  |  |
| HEI Rebates | $5,000 | 10 Rebates |
| Cool Homes Rebates | $14,000 | 35 Rebates |
| Battery Operated Lawn Equipment | $1,946 | 35 Rebates |
| Connected Homes Device Rewards and Charges | $1,800 | 36 Devices |
| MLP Solar Rebate Program (remaining projects) | $6,000 | 1 Projects |
| Green House Gas Reduction Program |  |  |
| Tier 1 and Tier 2 and Optional Admin Costs | $37,587 | N/A |
| **Total** | $84,083 |  |

***\*****\* Incomplete data available*

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $25 |
| Clothes Washer | ENERGY STAR | $25 |
| Clothes Washer | ENERGY STAR “Most Efficient” | $100 |
| Clothes Dryer | ENERGY STAR | $25 |
| Clothes Dryer | ENERGY STAR “Most Efficient” | $100 |
| Dehumidifier | ENERGY STAR | $25 |
| Dishwasher | ENERGY STAR | $25 |
| Dishwasher | ENERGY STAR “Most Efficient” | $100 |
| Freezer | ENERGY STAR | $25 |
| Freezer | ENERGY STAR “Most Efficient” | $100 |
| Refrigerator (12 cu ft +) | ENERGY STAR | $25 |
| Refrigerator (12 cu ft +) | ENERGY STAR “Most Efficient” | $100 |
| Room Air Conditioner | ENERGY STAR | $25 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | $100 |
| Pool Pump (Variable Speed) | ENERGY STAR | $200 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| EV Charger | Must also enroll in Connected Homes | $300 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Electric Lawn Mower | Rechargeable Battery | $100 |
| Electric Leaf Blower | Rechargeable Battery | $25 |
| Electric String Trimmer | Rechargeable Battery | $25 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |
| New E-Bike |  | $200 |
| Electric Service Upgrade | Needed for heat pumps or EV charger | $200 |

**Heating Assistance**

## SHELD promotes and works with community organizations that provide assistance to income-eligible participants, including the Community Action of the Pioneer Valley Fuel Assistance Program, and the Salvation Army Good Neighbor Energy Fund. Information about both programs is available on the SHELD website. SHELD also provides information on assistance available to senior citizens from the South Hadley Council on Aging.

# Sterling Municipal Light Department (SMLD)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $8,386,000 |
| Annual RCS Budget Threshold | **$20,965** |
| Total Residential Electric Sales (kWh) | 30,633,533 |
| Number Residential Electric Customers | 3,490 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $6,725 | 25 audits |
| ISM provided during audits (LED Bulbs) | $150 | 75 LED bulbs |
| Energy Star Appliance and Thermostat Rebates | $4,030 | 52 Rebates |
| Cool Homes Rebates | $24,000 | 60 Rebates |
| Connected Homes Device Rewards and Charges | $650 | 13 Devices |
| Residential EV Charger Rebates | $1,400 | 2 Chargers |
| Tier 1 and Tier 2 and Optional Admin Costs | $34,535 | N/A |
| **Total** | $71,490 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Sterling** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Templeton Municipal Light & Water Plant (TMLWP)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $6,881,794 |
| Annual RCS Budget Threshold | **$17,204** |
| Total Residential Electric Sales (kWh) | 28,523,459 |
| Number Residential Electric Customers | 3,153 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $7,413 | 25 audits |
| ISM provided during audits (LED Bulbs) | $150 | 75 LED bulbs |
| ASHP Consults | $0 | 0 Consultations |
| Energy Star Appliance and Thermostat Rebates | $1,628 | 21 Rebates |
| HEI Rebates | $2,500 | 5 Rebates |
| Cool Homes Rebates | $6,000 | 15 Rebates |
| MLP Solar Rebate Program (remaining projects) | $5,913 | 1 Project |
| Tier 1 and Tier 2 and Optional Admin Costs | $14,274 | N/A |
| **Total** | $37,877 |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amounts** |
| Air Purifier / Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Energy Star Rated Heating System | pre audit, post install visit | 50%, up to $500 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

# Wakefield Municipal Gas and Light Department (WMGLD)

Municipal Action Plan Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | N | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | N | Rebates for household appliances and devices |
| Wifi Smart Thermostat Program | N | Rebates for wifi thermostats |
| Gas Heating System Rebate Program | N | Rebates for high efficiency gas fired heating equipment |
| Heat Pump Rebate Program | N | Rebates for heat pumps |
| Residential Incentive Rebate Program | N | Rebates for Insulation, Weatherization and Windows |
| Sense Monitor Program | N | Rebates for Sense energy use monitor |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |
| MLP-only Funded Solar Rebates | Y |  |
| Green Choice | N | Customers can purchase renewable energy |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $35,141,456 |
| Annual RCS Budget Threshold | **$87,854** |
| Total Residential Electric Sales (kWh) | 83,486,633 |
| Number Residential Electric Customers | 11,037 |
| Total Residential Gas Sales (kWh) | 412,500 |
| Number Residential Gas Customers | 6,327 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $47,075 | 175 audits |
| ISM provided during audits (LED Bulbs) | $1,050 | 525 LED bulbs |
| ASHP Consults |  |  |
| Energy Star Appliance and Thermostat Rebates |  |  |
| Gas Heating System Rebate Program |  |  |
| Heat Pump Rebate Program |  |  |
| Residential Incentive Rebate Program |  |  |
| Sense Monitor Program |  |  |
| Connected Homes Device Rewards and Charges | $3,900 | 78 Devices |
| Residential EV Charger Rebates | $15,400 | 22 Chargers |
| MLP Solar Rebate Program (remaining projects) | $22,956 | 3 Projects |
| MLP-only funded Solar Rebates | $22,145 | 5 Projects |
| Tier 1 and Tier 2 and Optional Admin Costs | $55,881 | N/A |
| **Total** | $168,407 |  |

***\*****\* Incomplete data available*

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amounts** |
| Clothes Washer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $50 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Gas Water Heater | ENERGY STAR | $100 |
| Room Air Conditioner | ENERGY STAR` | $50 |
| Refrigerator | ENERGY STAR | $50 |
| Dishwasher | ENERGY STAR | $25 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Programmable Thermostat | ENERGY STAR | $25 |
| Central A/C | SEER 16+; EER 13+ | $100 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 18+; HSPF 10+ | $500/ton Max $2,000 |
| Central Heat Pump, Multi-Zone Mini-Split & Ducted Mini-Split Heat Pumps | SEER 16+; HSPF 9.5+ | $500/ton Max $2,000 |
| Gas Heating System | ENERGY STAR; pre audit, post install visit | 50%, up to $500 |
| Insulation and Air Sealing | pre audit | 50%, up to $1,500 |
| Windows | pre audit, Energy Star, U factor <=0.2 | $50/ea up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |
| MLP-only funded Solar Rebates | Shading and Azimuth restrictions; max 10 Kw | $1.20 / kWh |

# West Boylston Municipal Light Plant (WBMLP)

Municipal Action Plan – Addendum

## Residential Program Portfolio

|  |  |  |
| --- | --- | --- |
| **Program Name** | **MMWEC Admin** | **General description** |
| Residential Energy Assessment | Y | Includes direct install measures |
| ASHP Consultation Services | Y | Advice to customers for heat pump installs |
| ENERGY STAR Appliance Rebates | Y | Rebates for household appliances and devices |
| Cool Homes Rebates | Y | Rebates for heat pumps and central ACs |
| Home Efficiency Improvement (HEI) Rebates | Y | Rebates for ENERGY STAR heating equipment and home insulation/weatherization |
| EV Scheduled Charging | Y | Controls EV charging times |
| Connected Homes | Y | DR Program with residential smart devices thermostats and EV |
| MLP Solar Rebate Program | Y | DOER matching rebates for residential solar |

## Program Budget Data - 2020

|  |  |
| --- | --- |
| 2020 Gross Annual Retail Revenue | $7,900,000 |
| Annual RCS Budget Threshold | **$19,750** |
| Total Residential Electric Sales (kWh) | 27,612,261 |
| Number Residential Electric Customers | 3,161 |

**Municipal RCS Roadmap – 2022 Budget**

|  |  |  |
| --- | --- | --- |
| **Budget Category** | **Planned Dollar Amount** | **Planned Volume (include units)** |
| Residential Energy Assessment | $6,343 | 20 audits |
| ISM provided during audits (LED Bulbs) | $120 | 60 LED bulbs |
| ASHP Consults | $875 | 5 Consultations |
| Energy Star Appliance and Thermostat Rebates | $3,488 | 45 Rebates |
| HEI Rebates | $3,500 | 7 Rebates |
| Cool Homes Rebates | $8,000 | 20 Rebates |
| Connected Homes Device Rewards and Charges | $600 | 12 Devices |
| Residential EV Charger Rebates | $1,400 | 2 Chargers |
| MLP Solar Rebate Program (remaining projects) | $9,864 | 2 Projects |
| Tier 1 and Tier 2 and Optional Admin Costs | $32,687 | N/A |
| **Total** | **$66,876** |  |

## 2022 Rebate Offering

|  |  |  |
| --- | --- | --- |
| **Device** | **Qualification** | **Rebate Amount** |
| Air Purifier/ Room Air Cleaner | ENERGY STAR | $40 |
| Clothes Washer | ENERGY STAR | $50 |
| Clothes Dryer | ENERGY STAR | $50 |
| Dehumidifier | ENERGY STAR | $30 |
| Heat Pump Dryer (Electric) | ENERGY STAR | $500 |
| Electric Heat Pump Water Heater | ENERGY STAR | $500 |
| Pool Pump (Two Speed) | ENERGY STAR | $175 |
| Pool Pump (Variable Speed) | ENERGY STAR | $250 |
| Refrigerator | ENERGY STAR | $50 |
| Heat Pump Pool Heater |  | $250 |
| Wifi Enabled Smart Thermostat | ENERGY STAR | 50% up to $125 |
| Induction Range (replace gas/propane) |  | $500 |
| Induction Range (replace electric) |  | $100 |
| Central A/C | SEER 16+; EER 13+ | $250 |
| Air Source Heat Pump | SEER 16+; EER 12+; HSPF 8.5+ | $250 |
| Air Source Heat Pump | SEER 18+; HSPF 9.6+ | $500 |
| Ground Source Heat Pump | EER 17.1+; COP 3.6+ | $500 |
| Single-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.0+ | $300 |
| \*Multi-Zone Ductless Mini-Split Heat Pump | SEER 16+; HSPF 9.5+ | $500 |
| Blower Door Test & Air Sealing | pre audit, post install visit | 50%, up to $500 |
| Insulation | pre audit, post install visit | 50%, up to $500 |
| Duct Sealing | pre audit, post install visit | 50%, up to $500 |
| Batteries (≥10 KWH) - Sonnen, Generac | Enroll in Connected Homes | $15/mo |
| Electric Vehicle Chargers - ChargePoint, JuiceBox | Enroll in Connected Homes | $10/mo |
| Mini-Split Heat Pump Controllers (per condenser) - Sensibo, Flair | Enroll in Connected Homes | $5/mo |
| Wifi Thermostats - Google Nest, Honeywell Home | Enroll in Connected Homes | $5/mo |
| Electric Hot Water Heaters - GE, Rheem | Enroll in Connected Homes | $5/mo |
| Residential EV Scheduled Charging | Full Battery EV | Free Charger |
| Residential EV Scheduled Charging | PHEV <15 kWh Battery Capacity | $200 |
| Residential EV Scheduled Charging | PHEV 15+ kWh Battery Capacity | $300 |
| MLP Solar Rebate Program (MLP share) | systems with DOER approval | $0.60/Watt |

## *Middle School Energy Fair and Educational Events*

*WBMLP purchased and distributed 400 7.5 watt omni-directional LED bulbs that were distributed to students of the West Boylston Middle School at the schools 2019 Energy Fair. WBMLP anticipates similar participation at future events at the West Boylston Schools.*