

# GELD Municipal Action Plan 2020

Submitted by Massachusetts Municipal Wholesale Electric Company (MMWEC) on behalf of Groton Electric Light Department (GELD)

## Program Budget Data

For the most recent reporting (calendar) year, please provide:

Reporting year	2019
Gross Annual Retail Revenue (\$)	\$9,736,756
Annual RCS budget threshold (must be at least .25% of gross annual retail revenue)	\$24,342

\_\_\_ Check here if seeking a waiver in accordance with 225 CMR 4.08(3).

## RCS Assessment Data

For the most recent reporting year (per the PA's Annual Return, filed with the DPU pursuant to 220 CMR 79.02), please provide:

	The time period reported in 01/01/2019 – 12/31/2019		
	<b>Data Description</b>	<b>Amount in DPU reported units (MWh, therms)</b>	<b>Units</b>
4	Total Residential* Electric Sales (MWh)	43,972	MWh
5	Number of residential* electric customers	4,407	Accounts
6	Total Residential* Gas Sales+	N/A	e.g. therm, mcf, etc.
7	Number of residential* gas customers+	N/A	Accounts

*\*Including market rate and low income*

*+Only applicable to gas municipal PAs*

## Municipal RCS Roadmap

Please provide a detailed RCS program planned budget for 2020, showing categories of RCS Program activities and their corresponding budget amounts. At a minimum, provide budget amounts (even if the amount is zero) for the categories shown below. If the RCS program budget includes other significant costs or budget categories, include them here.

Budget Category	2019 Dollar Amount	2019 Volume (include units)	Planned Dollar Amount	Planned Volume (include units)
Audits	\$8,170	38 audits	\$6,450	30 audits
Instant Savings Measures provided during audit	\$228	114 LED bulbs	\$120	60 LED bulbs
Additional Customer Incentives /Rebates	\$8,045	11 projects	\$13,000	18 rebates
Administration	\$24,254	N/A	\$27,500	N/A
Marketing	\$0	N/A	\$0	N/A
MLP Solar Grant (MLP Portion)	\$2,880	1 project	\$19,000	3 projects
Free EV Charger Program	\$1,500	3 chargers	\$2,400	4 chargers
<b>Total</b>	<b>\$45,077</b>		<b>\$68,470</b>	

## Program Summary/Description

### Home Energy Assessments

GELD offers Home Energy Assessments (HEA) to customers in single family homes and condominiums (with separate metering and heating systems) who heat their homes with electricity, oil, propane, or other non-natural gas fuels. These HEAs are free to the customer when performed no sooner than 3 years prior to the last HEA of that home.

In 2019 and prior, Hancock Software provided the audit software and reporting that were used, however, in 2020, the program changed software provider to Snugg Pro. The Snugg Pro audit software provides both a more customer-friendly report and provides greater detail on recommendations. 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 Snugg Pro report and MLP will provide updated scorecards following upgrades.

Each recipient of an HEA receives three (3) LED bulbs as part of the audit.

Product	Description	Requirement
Lighting	(3) 9 watt LED bulbs	Receive HEA and have some non-LED lighting in use in home

### Rebates and Incentives

As a participant in the MMWEC Home Energy Loss Prevention Services (HELPS), GELD offers incentives to customers for scheduled charging of electric vehicles, installation of PV solar systems (MLP Solar Grant Program), and, starting in Q2 of 2020, the use of Wi-Fi-enabled smart devices for demand reduction programs (Connected Homes). Additionally, GELD also offers free or discounted energy efficiency products and services to its customers. These include discounted LED light bulbs, free electric switch plate and socket plate insulation gaskets, use of a GELD-owned Watt Meter, and infrared photography of customers' homes. Descriptions of each program follow:

#### 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.

### **HELPS Electric Vehicle Scheduled Charging Program**

Customers with either fully electric or plug in hybrid vehicles can receive a level 2 charger (a \$650 value) free of charge in return for allowing MLP (through HELPS) to curtail charging between 5:00 and 9:00 PM each non-holiday weekday for 3 years. Customer must maintain Wi-Fi access to charger to remain in program.

<b>Product</b>	<b>Description/Requirements</b>	<b>Incentive Amount</b>
Full Electric Vehicle	Fully Electric Vehicle	Free Charger
Tier I PHEV	≤15 KWH Battery Capacity	\$200
Tier II PHEV	≥15 KWH Battery Capacity	\$300

### **MLP Solar Grant Program**

As a participant in the MLP Solar Grant Program, MLP provides funding on eligible home based solar Photovoltaic installations up to 5.5 kW. MLP funds up to 60 cents per watt and DOER provides another 60 cents per watt. Some limitations on MLP funding levels do apply, and the grant budget is fixed. This Program began in late 2019 and continues into 2020. As of the end of 2019, one project have reached completion.

### **HELPS Connected Homes Program**

HELPS Connected Homes is an innovative new program offered to customers that own select Wi-Fi-enabled smart devices to leverage the technology of smart appliances and devices into cost savings for the light department and its customers. By enrolling a smart device in the Connected Homes Program, customers agree to allow GELD to make brief, limited adjustments to their devices during times of peak electric demand. Customers will be informed of possible adjustments in advance via email and will be given the choice to opt out. Customers who decide to participate in adjustments will be given an incentive check or bill credit.

<b>Product</b>	<b>Eligible Manufacturers</b>	<b>Monthly Incentive</b>
Battery	Sonnen	\$15
EV Charger	Chargepoint	\$10
Smart Electric Water Heater	GE and Rheem	\$5
Mini Split Controller	Sensibo	\$5

### **Ancillary Services**

GELD markets and promotes its entire suite of energy efficiency, distributed generation and demand response programs (including audits and educational services, energy efficient products, incentives and other services) in a number of ways: on the GELD website, bill stuffers, distribution at the Light Plant Office, and social media. GELD does not focus this marketing to specific customer demographics.

In the past, GELD has had no way of following up on HEA recommendations. However, the new Snugg Pro HEA software will allow a closer linking of customer improvements and HEAs since the HEA reports now include the

DOER Scorecard. Since customers that have had an HEA can request an updated Scorecard after improvements have been made, we will have the opportunity to establish the connection between the improvement and the HEA. Additionally, due to the marketing and increase in knowledge of the Scorecard by home buyers and real estate professionals, the program anticipates an increased interest in the Scorecard by new home buyers; the program will be able to provide new buyers the Scorecard as requested.

As GELD does not offer direct post-installation rebates for purchases of new appliances, HVAC equipment or insulation and other home envelope improvements, GELD cannot link rebates to HEA recommendations.

GELD does not target low/moderate income, multi family, or ESL households. There are very few customers who speak English as a second language in Groton, so that is not a significant concern for GELD. However, GELD is very interested in developing an income-tailored rebate structure to assist lower income customers.

The program does not currently recommend contractors or provide 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.