

MERP Assessment Breakdown

Holley Hall - Recommended Projects

* Note: projects with figures in blue are questioned by the committee but could be considered.

Energy Conservation Measures (section 1.3)

- \$63,650 Weatherization Projects: some projects have long payouts, but sealing the structure as much as possible is a long-term investment in efficiency and comfort.
- \$1,200 Programable Thermostats
- \$1,200 Integrated Heating Controls
- \$2,800 Lighting retrofit
- \$68,850 Total Energy Conservation Measures

Renewable and Resilient Energy Measures (section 1.4)

- \$44,000 Battery Electric Storage
Batteries could be useful for resiliency as a warming/cooling center. However there is a propane fueled generator in service that makes batteries redundant. Also question of where to install them?
- \$125 Electric Vehicle Chargers are not applicable here because of lack of location.
- \$19,550 Air-to-Air Heat Pumps for the second floor Meeting space.
This is a resiliency measure beaches the installation of heat pumps in this space will enable the building’s use as an emergency heating and cooling center. They will also make summer use much more attractive because at present the space becomes very uncomfortable in hot weather. Payback should not be an issue in this case.

Heating System ECMs and RREMs (section 5)

- \$11,700 Mid. Eff. Oil-fired Boiler
The existing boiler is estimated to have 14 years remaining service life. If funds are available, replacing it would give town set. 25 years of service life.
“ The air-to-air het pump/oil hybrid option is not cost-effective from financial payback alone, however the additional benefits of reduced energy cost volatility, positive local impact, and

reduced
worthwhile investment.”

environmental impact make it a

Hot Water Circulation Pumps, PSC-Type Motor, Single Speed

\$??? Replace with more efficient EC-type motors.

Sub-total

\$100,225 Items in black

\$ 44,000 Batteries

Total

144,225

\$2,000 Estimate cost of 6 EC-type circulators (FW Webb) Rebates may
apply.

Note: with the MERP program there is no cost to the town - no match.