

EECBG Application Project Recommendations

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Staff has developed an Energy Efficiency Community Block Grant (EECBG) application that is fiscally prudent with proven energy efficiency reduction success. The intent of the proposed projects is to make progress toward lowering the overall energy costs of town functions and to reduce the impact of its carbon footprint on the region. We are presenting this summary to the Town Council so that the Council is informed about our progress and to request support for the grant application. A formal vote is not necessary but an informal consensus in a workshop setting will confirm the overall commitment to support energy savings and cost reductions.

We are requesting grant funds in the amount of \$83,195, which requires a match of \$9,244 for a total for \$92,439. We will use the Revolving Energy Fund and specific department operating accounts for matching funds.

1. Replace 5 Public Works overhead doors	\$ 19,100
2. Install 12 Idleright Fuel Management System devices on Police Patrol and Public Works vehicles	\$ 6,540
3. Purchase 1 hybrid Police Detective vehicle	\$ 8,000
4. Install solar thermal hot water systems on Central and Winn Rd. Stations	\$ 23,000
5. Investment Grade/Comprehensive Audit on Town Hall, Plummer-Motz and Lunt buildings	\$ 30,000
6. Purchase 20 Power Miser Smart Strips	\$ 799
7. Implementation of FGRC Plan	\$ 5,000
	<u>\$ 92,439</u>

Preliminary estimates show the expected savings by project:

- Overhead Doors:** The R value of the doors will improve from R7 to R17.3. The cost of heating is expected to decrease by 5 to 7%.
- Idleright Fuel Management Systems:** The installation of an idling control system in all Police Department vehicles will reduce fleet idling time by 3,300 to 3,800 hours/year. The Parks and Public Works Department will experience similar results (proportional to number of vehicles and number of engine hours per year).
- Hybrid Police Detective Vehicle:** Fuel savings will approach \$1,000/year.
- Solar Thermal hot water systems:** Energy savings will be approximately \$2,000/yr (\$1000/system).
- Investment Grade Building Audits:** This process/project will identify opportunities and recommendations for energy efficiency improvements. This audit will add value to the buildings for potential town reuse of the facilities or any other future property owner.
- Power Miser Smart Strips:** Energy savings could reach or exceed \$1,000/year depending on past and future use habits.
- Climate Action Plan Implementation:** The goal is to reduce carbon emissions which can come from energy savings within municipality, school system or residential/commercial sectors.