

IMPACT STATEMENT

Legislation title: * Accept and appropriate a grant in the amount of \$89,959 from Portland General Electric 2016 Renewable Development Fund for Portland Fire & Rescue Station 1 Solar + Storage Project (Ordinance)

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Purpose of proposed legislation and background information:

- Through the Renewable Development Fund (RDF) program, Portland General Electric (PGE) provides opportunities to qualifying parties to receive financial support to help advance the construction of new non-residential renewable energy projects. In June 2016, the City applied for an RDF grant in order to expand the scope of a 30 kW solar photovoltaic array installation at Fire Station 1 to include a battery-based energy storage component. The acceptance of the grant will allow the project team to add the energy storage component to the overall project. Adding the battery storage component to the project presents an opportunity to use this site as a resiliency pilot that will allow the City to assess the feasibility and efficacy of pairing renewable energy generation (solar) with energy storage on City facilities that are critical to emergency response.
- **Describe the impact of this action on the overall program or project.** The acceptance of the grant award will provide the funds to expand the project scope to include energy storage. Without the grant award, the existing project budget will only include the 30kW solar array.
- **Indicate if the proposed legislation supports or changes specific City policies.** The overall project supports the 2015 Climate Action Plan goal of meeting 15% of City electricity demand from on-site renewable resources (Action 19F). Additionally, the project aligns with the 2016 Mitigation Action Plan actions to “plan for solar + battery storage systems, which can serve as mini power-supply stations or provide residents the ability to shelter in place after any electricity supply-disrupting event” (Action BPS-2), and “encourage solar + battery storage demonstration projects at critical City facilities” (Action BPS-3).

Financial and budgetary impacts:

Discuss the impacts of the legislation relating to all of the following if relevant:

- **Long-term financial impacts for the City, e.g. ongoing debt payments, purchase of property requiring operations and maintenance, ratification of labor contract, etc.**

One hundred percent of the 32,400 kWh of renewable electricity produced annually by the proposed solar array will be used in the Fire Station, reducing grid supplied power by approximately 6 percent. The bill savings flow through to the operating budget of Portland Fire & Rescue, city General Fund and ultimately to the taxpayers conducting business and living in Portland.

- **Budget impacts – does the action amend the budget; describe any changes to appropriations.** Yes, the grant award of \$89,959 amends the FY17 budget
- **Change in expenses – does the legislation authorize additional spending on a new or existing project or program include if funds have been budgeted for the intended use.**
No change to expenses. Additional project scope will be completely funded through the grant award.
- **If the expense is a “project estimate”, identify the level of confidence.** The addition of energy storage scope to the overall project shall be contractually limited to the award amount.
- **Change in current and future revenues, including dollar amounts and funding sources**
- **Current and future staffing levels – does the legislation create, eliminate or re-classify positions now or in the future? How much staff time will this legislation require (even if covered by an existing position)? What are the demographic impacts of changes in staffing?** No staffing impacts.
- **Financial agreements – does the legislation result in a new or modified financial obligation or benefit, including IAs, IGAs, MOUs, grants, contracts or contract amendments.** The legislation results in a net financial benefit to the City. The City will accept the RDF grant award of \$89,959. Upon completion of the project, the City will own the battery storage asset.

Community impacts and community involvement:

Discuss the impacts of the legislation relating to all of the following if relevant. Describe who is impacted, how they are impacted, how any negative impacts have been addressed, and how the benefits are distributed. Describe how public involvement and input shaped the bureau’s recommended action.

The project contributes to a number of primary long-range community objectives:

- Reducing community-wide carbon emissions 40 percent by 2030 below 1990 levels. The proposed project reduces regional greenhouse gas emissions relating to energy generation by reducing the demand for fossil-fuel based electricity at this site.
- Reducing carbon emissions from City operations 53 percent below FY06-07 levels by 2030.
- Increasing the City’s portfolio of onsite renewable energy in order to help meet commitments in the Climate Action Plan to purchase or generate 100 percent of all electricity for annual City operations from renewable resources, with at least 15 percent from onsite renewable energy systems by 2020.

Budgetary Impact Worksheet

Does this action change appropriations?

Impact Statement for Requested Council Action

- ☒ **YES:** Please complete the information below.
☐ **NO:** Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount
217007	FRMS000007	441100	PSASMSLO000000GS	NonProgram	FR000029	FR00290001	89,959
217007	FRMS000007	177300	PSASMSLO000000GS	NonProgram	FR000029	FR00290001	89,959