

**G-122: ESI Energy Efficiency Prjs**

Attachment B

Category: High Quality Built & Natural Environment

Status: New

Department: Finance & Asset Management

Location: City Hall, Bellevue Service Center (BSC)

**Programmed Expenditures**

<u>Programmed Expenditures</u>	<u>Appropriated To Date</u>	<u>FY 2023 Budget</u>	<u>FY 2024 Budget</u>	<u>FY 2025 Budget</u>	<u>FY 2026 Budget</u>	<u>FY 2027 Budget</u>	<u>FY 2028 Budget</u>	<u>FY 2029 Budget</u>
3,819,460	-	764,790	1,514,200	662,070	219,600	219,600	219,600	219,600

**Description and Scope**

This project is considered planned work at City Hall and BSC in the Major Maintenance budget and reprioritized project work to maximize energy efficiency and available grant funding. The implementation schedule is based on the mandatory State compliance deadlines and grant requirements associated with project work.

For BSC, this proposal includes a deep energy retrofit, ongoing building tune-up software, and solar rooftop expansion to meet the State mandated Clean Building Performance Standards. For City Hall, this proposal includes indoor and outdoor lighting efficiency and a solar rooftop installation to achieve State compliance and secure grant funding.

**Rationale**

The City Council 2021-2023 Vision and Priority #8 is to implement the Environmental Stewardship Plan to reduce energy use in city-owned building by 25% by 2030 and 50% by 2040. This proposal directly relates to five actions in the plan and helps the city achieve sustainability targets. Additionally, city-owned buildings need to maintain or improve energy efficiency to implement State grants and comply with the mandatory WA State Clean Buildings Performance standard. Implementation of these energy efficiency projects will also result in operational cost savings for the city.

Annual financial penalties will be incurred if the city does not implement energy efficiency projects and remains non-compliant. The estimated non-compliance penalty for BSC is \$125,000 per year and City Hall is \$358,000 per year. This will prevent the city from leading by example and the city's ability to achieve the city's energy reduction targets for municipal buildings.

**Environmental Impacts**

This proposal will help the city achieve the Environmental Stewardship Plan's goals to reduce emissions by 50% by 2030 and to increase renewable energy sources to 100% by 2030. City-owned buildings are the largest source of greenhouse gas emissions in the municipal inventory. Improving energy efficiency and installing renewable energy on buildings and facilities is essential to achieving sustainability targets.

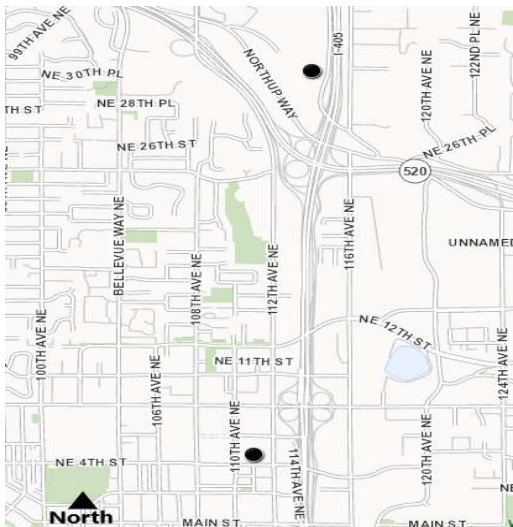
**Operating Budget Impacts**

Improving energy efficiency and installing solar projects on city-owned buildings will result in annual energy savings as described below:

- BSC Retrofit – estimates \$30,000 per year in energy savings.
- BSC Solar – estimates \$3,500 per year in energy savings.
- City Hall Lighting Retrofit – estimates \$60,000 per year in energy savings, which are used to subsidize project costs through 7-year contract. Savings recovered in 2030.
- City Hall Solar – estimates \$10,000 per year in energy savings.

This proposal includes funding for one Capital Project Coordinator LTE to support the project if approved at City Hall and BSC over the next 3 years.

**Project Map**



**Schedule of Activities**

<u>Project Activities</u>	<u>From - To</u>	<u>Amount</u>
Project Costs	Ongoing	3,819,460
<b>Total Budgetary Cost Estimate:</b>		<b>3,819,460</b>
<b>Means of Financing</b>		
<b>Funding Source</b>		<b>Amount</b>
Grant		101,250
Misc revenue		3,718,210
<b>Total Programmed Funding:</b>		<b>3,819,460</b>
<b>Future Funding Requirements:</b>		<b>-</b>

FY2023-2029

Comments