



Solar Planning for Operations Facility Expansion project

WHAT?

- ◇ In 2024, the District received a grant in the amount of \$140,000 from the Washington Department of Commerce.
- ◇ Grant is for solar planning for the new Operations Facility Expansion Project.
- ◇ Grant requires Community Input on the proposed plan.



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Who?

◇ District staff submitted a grant application to the WA ST **Department of Commerce** in June of 2024. The Grant was awarded in August of 2024

◇ The District is working with Schira Consulting out of Bellingham on this project.



Fairhaven Harbor, 800 Harris Street, Bellingham, WA. 60 units, mixed-use, multi-family over retail with underground parking.

**SCHIRA
CONSULTING**
CELT M. SCHIRA, P.E.

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MISSION STATEMENT Consultant

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When?

- ◇ The contract from the DOC was awarded on October 14, 2024
- ◇ Consulting Work on this project began on December 1, 2024.
- ◇ The Solar Planning Project will be complete by June 30, 2025
- ◇ Solar improvements are planned for 2026-2035, depending on funding.



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Why?

- ◇ The goal is to increase resiliency, especially during power outages.
- ◇ To save money in electricity costs along with helping to meet future energy demands.
- ◇ To find additional grant funding to pay for the solar hardware.
- ◇ From the Draft Report : “The proposed system combines solar power generation, battery storage, and diesel generator backup to ensure continuous operations during power outages while providing energy cost savings during normal operations.”



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What's Included?

- ◇ The Solar Design for the Operations Facility Expansion project will produce 77.5kW of power.
- ◇ Enough to power the buildings lights, water pumps and EV charging stations.
- ◇ Includes:
 - 189 Mission 410W Solar Panels
 - 8 SMA Sunny Boy 7.7kW inverters
 - 9 mounting racks
 - 4 sunny Island 6048 Battery Inverters
 - 16 BYD LVS Battery Modules
 - 38kW Cummins Generator



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How Much?

- ◇ The value of the Grant from the Department of Commerce is \$140,000
- ◇ Estimated Annual Electrical Savings = \$11,150 per year
- ◇ Estimated cost of Solar Panels, Batteries and infrastructure for new Operations Facility—\$250,000