

T-91 LED Lighting Upgrades - Design

WP# N10343, CIP:C801297

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Jennifer Maietta, Director, Real Estate Asset Management

Sam Hansen, Project Manager, Waterfront Project Management

Sarah Ogier, Director, Maritime Environmental & Sustainability



Action Request

Request Commission authorization for the Executive Director to complete design of LED lighting and controls upgrades at T-91. This request is for \$700,000 and would increase the total project authorization to date to \$750,000 out of a total estimated project cost of \$3,600,000.

Overview

- Project Location
- Project Scope & Sustainability
- Community Outreach
- Financial Implications
- Preliminary Schedule
- Summary Recommendation

Project Location – T-91



Project Scope

- Replace all existing pole mounted lighting with LED fixtures
- Install new lighting control systems
- Install smart meters
- Conduct small works lighting demonstration at 30% design stage



Project Sustainability

- **Advance the Port's Century Agenda sustainability goals**
 - Objective 9: Meet all increased energy needs through conservation and renewable sources
- **MCAAP (Maritime Climate and Air Action Plan)**
 - 75% of Port managed spaces converted to LED by 2025
 - 100% of Port and Tenant managed spaces converted to LED by 2030
- **Sustainable Evaluation Framework**
 - Reduce greenhouse gas emissions and energy consumption by replacing high energy use lighting with efficient LED lighting
 - Protect health and the environment by ensuring lighting does not leach zinc into the Puget Sound.
 - Protect the community and aquatic habitat by limiting light pollution, utilizing directional shields, and considering warm light tones

Community Outreach

- Initial project information provided at Neighbors Advisory Committee (NAC) on May 15th
- Lighting demonstration planned at 30% design stage to provide NAC members an opportunity to provide input on project.

Financial Implications

ITEM	THIS REQUEST	TOTAL PROJECT
Design	\$700,000	\$750,000*
Construction	\$0	\$2,850,000
TOTAL	\$700,000	\$3,600,000

*Includes prior authorization of \$50,000 seed money for planning

Estimated Energy Savings: 612,356 kWh/yr.

Estimated Utility (SCL) Rebate: \$171,739

Estimated Annual Utility Savings: \$61,235

Preliminary Schedule

Commission Design Authorization Community Outreach	2024 Q2
Design Start	2024 Q3
Commission Construction Authorization	2025 Q2
Construction Start	2025 Q3
In-Use Date	2026 Q2