



Pier 66 Shore Power Project Additional Construction Funding

Pier 66 Bell Street Pier Cruise Terminal

- Opened in 1999
- Single berth facility and homeport to Norwegian Cruise Line and Oceania vessels
- Upgraded to accommodate newest NCL vessels in 2018
- Recent P66 Interior Modernization further enhanced areas jointly used by cruise and Bell Harbor Conference Center
- Cruise contributes 5,500 jobs and nearly \$900M in total business revenue annually



Shore Power is a Key Environmental Strategy

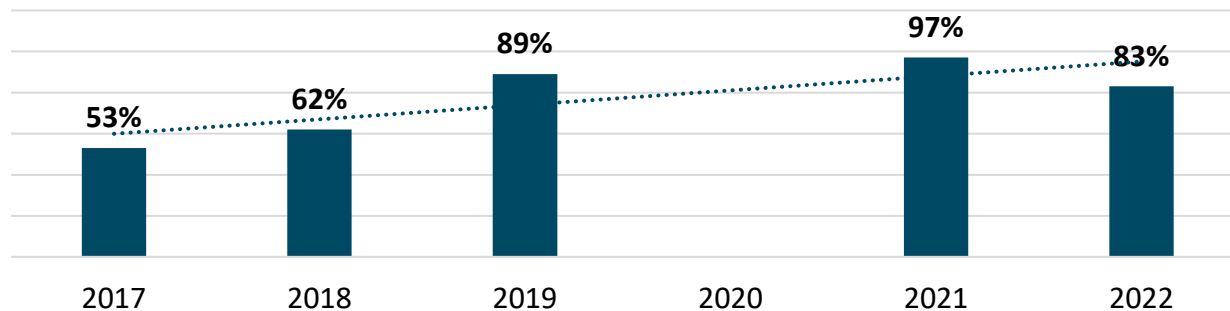
Maritime Climate and Air Action Plan:

- Implement the Seattle Waterfront Clean Energy Strategy
- Install cruise shore power at Pier 66 by 2024, six years ahead of the Northwest Ports Clean Air Strategy goal
- Work with cruise lines to make 100% of homeport calls shore power-capable and plug in by 2030, if not before
- Incorporate sustainability best practices into leases and agreements



Environmental Benefits and Successes

- 93 percent of electricity in Seattle comes from low carbon, low-cost sources, like hydroelectricity
- Ships that use Seattle's clean electricity instead of fossil fuels at berth reduce CO₂ and air pollutants
 - 2019: shore power use reduced about 2,900 metric tonnes of CO₂
 - 2021: shore power use reduced about 1,700 metric tonnes of CO₂
 - 2022: shore power use reduced about 2,200 metric tonnes of CO₂
- Cruise lines are demonstrating commitment to use shore power at Terminal 91 with higher connection rates in recent years:



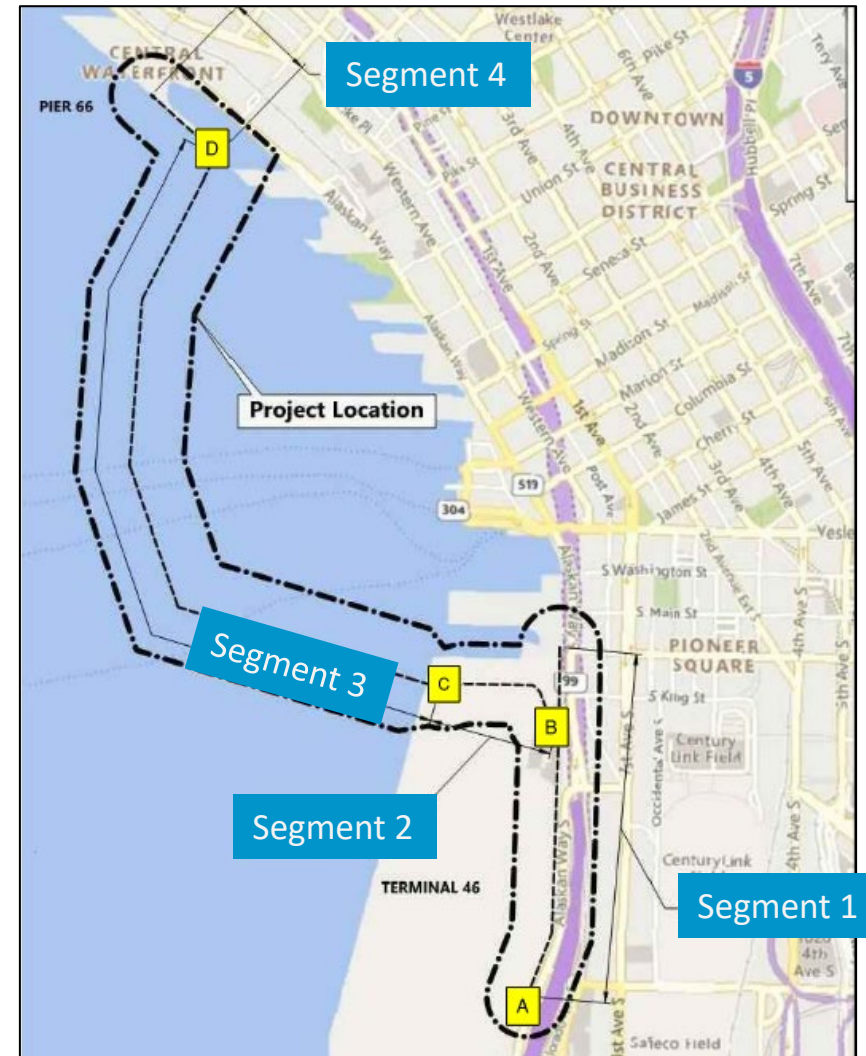
- At Pier 66, many ships are shore power-equipped and expect to connect once a connection is available



Project Components

Four key segments:

- **Segments 1 & 2:** Landside infrastructure at Terminal 46. Cost sharing with Seattle City Light on Segment 1
- **Segment 3:** Approximately 1-mile submersible cable in Elliott Bay
- **Segment 4:** Shore power equipment and infrastructure on Pier 66. Two shore power connection points with cable management system to offer connection flexibility



Project Status/Authorization Request

- Pre-procurements executed for submarine cable and electrical equipment. Both in production now
- 100% design complete, contract advertised, and bids opened 5/16
- Two bids received; low bid 23% over the Engineer's Estimate
- Requesting additional funding to allow for execution of major works contract including WSST & adequate contingencies

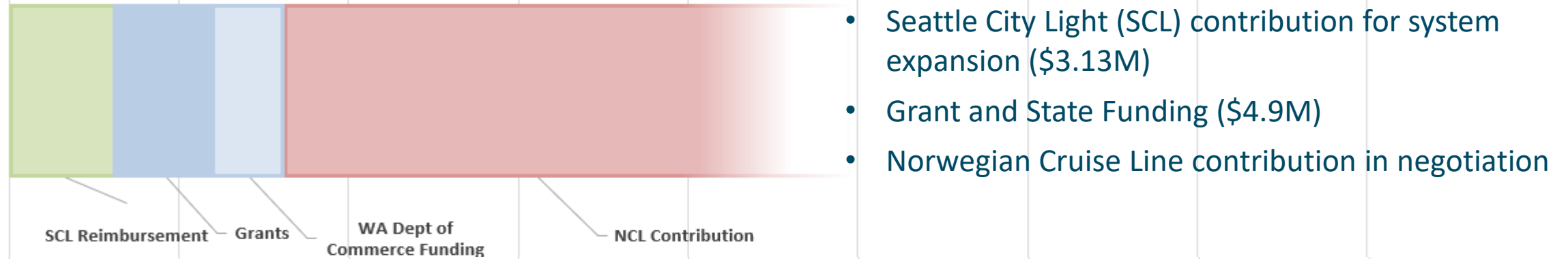
Total amount of this request: \$6,000,000

Total project budget: \$44,000,000

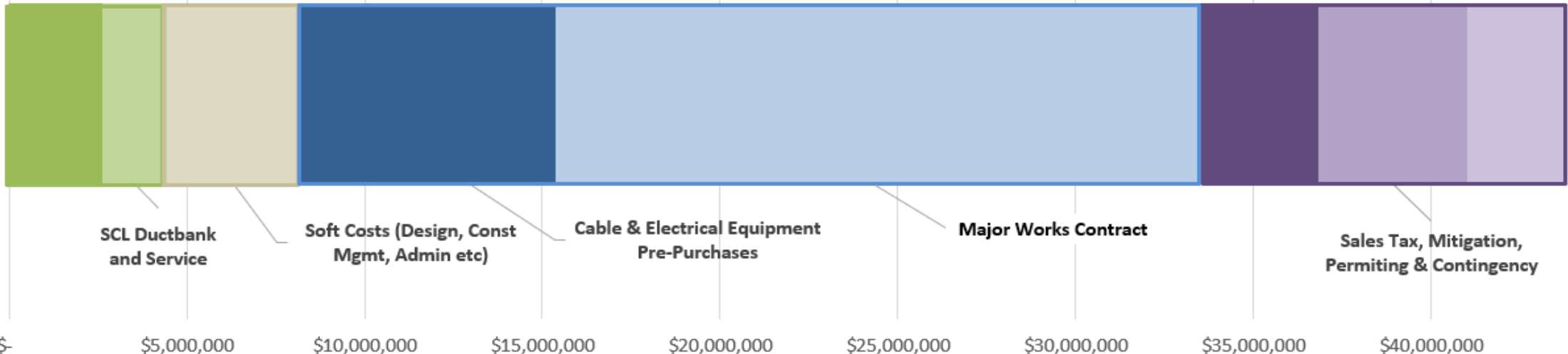
Project Budget

- Project budget is \$44M which is offset by several sources:

REIMBURSEMENTS



EXPENSES



Next Steps

- Execute major works contract
- Cable delivery scheduled for July 2023
- Shore power funding agreement and possible lease amendment with Norwegian Cruise Line Holdings: Q3, 2023 (separate action)
- Onsite construction, testing & commissioning: Q3, 2023 – Q2, 2024



Questions?