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Item No.: 10b_Supp
Meeting Date: June 13, 2023

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

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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

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Environmental Benefits and Successes

- 93 percent of electricity in Seattle comes from low carbon, lowcost 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:
97%
89% 83%
62%
53 %

2017 2018 2019 2020 2021 2022

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

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Project Components
Four key segments:

Segment 4

- 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

Segment 2

connection points with cable management

Segment 1

system to offer connection flexibility

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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

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Project Budget

- Project budget is \$44M which is offset by several sources:
- Seattle City Light (SCL) contribution for system expansion (\$3.13M)
- Grant and State Funding (\$4.9M)
- Norwegian Cruise Line contribution in negotiation

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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

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Questions?

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