STATE ENVIRONMENTAL POLICY ACT
DETERMINATION OF NON-SIGNIFICANCE FOR THE
Pier 66 Shore Power Project

Date Issued: June 4, 2021
SEPA Lead Agency: Port of Seattle
Agency File Number: 2021-05
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The Port of Seattle (Port) has completed an environmental analysis, including review of pertinent and available environmental information and preparation of a State Environmental Policy Act (SEPA) Checklist for the Pier 66 Shore Power Project.

Name of New Proposal: Pier 66 Shore Power Project

Background: The Pier 66 Shore Power Project is part of the Port’s long-term planning goals for carbon and air emissions reduction, including the Port’s Century Agenda, introduced in 2012, which outlines sustainability goals and objectives intended to guide Port investments and operations for the next 25 years; and, the 2020 Northwest Ports Clean Air Strategy which includes an objective to install shore power at all major cruise berths by 2030.

The project will accomplish these goals by providing stand-alone shore power for cruise vessels moored at P66, allowing equipped ships to connect to 93 percent clean electricity from Seattle City Light rather than relying on fossil fuel sources. As a result, shore power can nearly eliminate emissions from ships at berth while connected. Once fully operational, the shore power connection at P66 is estimated to reduce annual emissions: 54 metric tons of oxides of Nitrogen (NOx), 1 metric ton of diesel particulate matter (DMP), and 2,700 metric tons of greenhouse gas (CO2).

The project will also help the region as a leading tourism destination and a significant economic driver contributing 5,500 jobs and $893.6 million a year in local business revenue. Shore power at P66 provides an additional amenity for cruise ships that makes Seattle a more appealing and sustainable homeport and provides the opportunity for advancement of shared Port and Industry environmental objectives.

Description of Proposal: The Pier 66 Shore Power Project (Project) is located in Elliott Bay on the Seattle waterfront. The Port of Seattle (Port) is proposing to provide shore power (i.e., cold ironing) to serve shore power capable cruise vessels at the Pier 66/Bell Street Cruise Terminal (P66) by installing a shore power system at P66. The shore power system will include a submarine cable connecting the P66 facility to a new power feeder extension at the north end of Terminal 46 (T-46), which connects to Seattle City Light’s (SCL) electrical power grid. Project components include:

- Installing upland electric cables, ductbanks, meter and switchgear infrastructure and vaults to connect
the submarine cable to an existing SCL electrical power vault at T-46
- Installing upland electrical cables, ductbanks, and vault to an existing SCL vault north of S. King Street and continue to the north terminal property line. The Port will perform this work contingent on execution of a mutually satisfactory service agreement with SCL.
- Upland grading to install the cables and electric utility infrastructure at T-46
- Installing an approximately 6,110-foot-long, 26 kilovolt (kV) submarine cable from the north end of T-46 to the south end of the P66 pier structure
- Installing protective submarine cable features including a rigid conduit at the T-46 slope and articulated mats across the T-46 and P66 berth areas
- Installing electric utility infrastructure and shore power equipment/system on the P66 pier and routing the cable under the pier to two cruise vessel shore power connection or plug-in locations

Providing shore power at P66 allows shore power capable cruise vessels to plug into the local electrical grid and turn off their auxiliary diesel engines while at berth, resulting in an overall reduction in air pollutant and greenhouse gas emissions. As one of the most thoroughly demonstrated and robust methods for reducing at-berth emissions from cruise ships, shore power is a key strategy to meet the Port’s Century Agenda goal of being the greenest and most energy-efficient port in North America and advance the region as leading tourism destination and business gateway.

**Location of Proposal:** Project components are located at Pier 66 (P66) and Terminal 46 (T-46), and within the aquatic area of Elliott Bay. A site map, below, shows the location of the project, including the P66 and T46 components and the in-water routing of the submarine cable.

T-46 is located at 401 Alaskan Way South, King County tax parcel number 766620-7695. Latitude 47.597455 N./ Longitude -122.340299 W., NE Section 6 of Township 24N, Range 4W.

P66 is located at 2000 2225 Alaskan Way, King County tax parcel numbers 766620-2342, 766620-2327, and 312504HYDR. Latitude 47.609716 N./ Longitude -122.347599 W., NW Section 31 of Township 25N, Range 4W.
Figure 1 - Pier 66 Shore Power Project Site Map

Segment 1
- Trenching, vault, and cable installation; asphalt replacement
  - Upland, shoreline (partial)
  - 2,000 cy cutfill
  - 16,000 sf
  - 2,200 ft

- Concrete pad/power service equipment
  - Upland
  - 15 cy concrete fill
  - 450 ft

Segment 2
- Trenching, vault, and cable installation; asphalt replacement
  - Upland, shoreline (partial)
  - 700 cy cutfill
  - 4,000 ft

Segment 3
- 4-6 shore protection (rigid conduit)
  - In-water (Elliot Bay)
  - NA
  - 120 ft

- 4-6 shore protection (flexible conduit)
  - In-water (Elliot Bay)
  - 30 ty fill
  - 100 ft

- Submarine Cable
  - In-water (Elliot Bay)
  - NA
  - 4,075 ft

- Pier 66 shore protection (flexible conduit)
  - In-water (Elliot Bay)
  - NA
  - 1,965 ft

Segment 4
- Underwater cable conduit
  - Over-water (Port 66 concrete deck)
  - NA
  - 800 ft

- Over-water (Port 66 concrete deck)
  - 20 ty concrete fill
  - 840 ft

- Above-water concrete curbs and path
  - Over-water (Port 66 concrete deck)
  - 70 ft

Notes: In-water work is considered to be seaward of HTL and MHHW. Upland work is considered to be landward of HTL and MHHW.

TERMINAL 46

SEATTLE TIDE LEVELS EXCEED THE LIMITS OF SEGMENTS 5 AND 6 FOR 175.0 FT BAE AS MEASURED FROM THE HIGH WATER MARK. THE LIMITS OF SEGMENTS 5 AND 6 ARE PRESENTED FOR INFORMATIONAL PURPOSES. THE LIMITS OF SEGMENTS 5 AND 6 MAY NOT BE USED FOR LEGAL PURPOSES OR OTHER PURPOSES NOT RELATED TO THE LIMITS OF SEGMENTS 5 AND 6.

TERMINAL 46

PORT OF SEATTLE - BELL STREET Pier - LEGAL DESCRIPTION ADDRESS: 2011 ALASKAN WAY, SEATTLE, WA 98121

THAT PORTION OF THE WEST HALF OF SECTION 31, TOWNSHIP 25 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON AND LAYING IN THE SEATTLE TIDE LANDS DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WESTERLY LIMIT OF BANCROFT STREET AND THE NORTH LIMIT OF ALASKAN WAY, WEST TO THE WESTERLY LIMIT OF BANCROFT STREET. THIS PROPERTY HAS A DISTANCE OF 105.87 FEET. THENCE NORTH 90° 00′ 00″ WEST A DISTANCE OF 110 FEET. THENCE NORTH 90° 00′ 00″ EAST A DISTANCE OF 105.87 FEET TO THE TRUE POINT OF BEGINNING. ALSO THE RIGHT TO OCCUPY THE AREA BETWEEN THE INNER AND OUTER HARBOUR LIMITS.

TEXT: 1.45, AND BELL STREET Pier HARBOR AREA - LEGAL DESCRIPTION: ALL HARBOUR AREA LAYING IN FRONT OF BLOCKS 157 AND 172, SEATTLE TIDE LANDS TOGETHER WITH THE PORTION OF BANCROFT STREET DESCENDED FROM PORT OF SEATTLE ORGANIZATION NO. 3710, LOCATED IN THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 25 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON, AS DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 1, BLOCK 175. SEATTLE TIDE LANDS, THENCE NORTHERLY 90° 00′ 00″ EAST ALONG THE INNER HARBOUR LINE, A DISTANCE OF 105.87 FEET. THENCE EAST 90° 00′ 00″ EAST ALONG THE INNER HARBOUR LINE, A DISTANCE OF 110 FEET TO THE NORTH LIMIT OF BANCROFT STREET, THENCE 90° 00′ 00″ WEST A DISTANCE OF 110 FEET TO THE WEST LIMIT OF BANCROFT STREET, THENCE 90° 00′ 00″ WEST ALONG THE OUTER HARBOUR LINE, A DISTANCE OF 105.87 FEET. THENCE WEST 90° 00′ 00″ WEST ALONG THE OUTER HARBOUR LINE, A DISTANCE OF 110 FEET. THENCE SOUTHERLY 90° 00′ 00″ WEST TO THE NORTH LIMIT OF BANCROFT STREET, THENCE 90° 00′ 00″ EAST ALONG THE OUTER HARBOUR LINE, A DISTANCE OF 105.87 FEET. THENCE NORTH 90° 00′ 00″ NORTH ALONG THE OUTER HARBOUR LINE, A DISTANCE OF 110 FEET TO THE POINT OF BEGINNING.
Determination: The Port has determined the proposed Pier 66 Shore Power Project will not have probable significant adverse impacts on the environment. As such, an environmental impact statement (EIS) is not required under the provisions of the Washington State Environmental Policy Act (RCW 43.21, WAC 197-11) and Port of Seattle SEPA Policies and Procedures (Port Commission Resolution 3650). This decision was made after review of a completed Environmental Checklist, available online at https://www.portseattle.org/environment/sepa-nepa.

This determination is based on the following findings and conclusions:

- The completed environmental checklist for the Pier 66 Shore Power Project did not identify potential significant adverse effects on the environment, including environmentally sensitive areas or areas designated for governmental protection.
- The Pier 66 Shore Power Project is intended to result in reduced emissions from cruise vessels at P66, enabling shore power enabled ships to connect to shore power, using clean electricity rather than relying on fossil fuel power sources. This project is expected to generate an environmental benefit by reducing annual maritime emissions.

Supporting Information: Information used to reach this determination is available upon request. The 2021 Determination of Non-significance (POS SEPA File No. 2021-05), Environmental Checklist, and supporting documents are available online at https://www.portseattle.org/environment/sepa-nepa.

Public and Agency Comment: No action will be taken on this proposal until after the 14-day public comment period expires at 4:00 PM on June 18, 2021. The Port will accept public and agency comments until 4:00 PM on June 18, 2021. After June 18, the Port will (1) formally adopt this Determination of Non-Significance; (2) clarify or review the proposal; or (3) complete additional environmental analyses, as appropriate. Please refer any questions relating to this determination or to the proposed actions to Danielle Butsick, Maritime Environment and Sustainability Department, P.O. Box 1209 Seattle, Washington 98111. Telephone 206-549-2945. Email the Port of Seattle SEPA address at SEPA@portseattle.org. Include your mailing address when submitting comments to the email address.

SEPA Responsible Official: Sandra Kilroy, Director Maritime Environment and Sustainability

Signature: Sandra Kilroy, Jun 2, 2021 11:57 PDT  Date: Jun 2, 2021