

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.

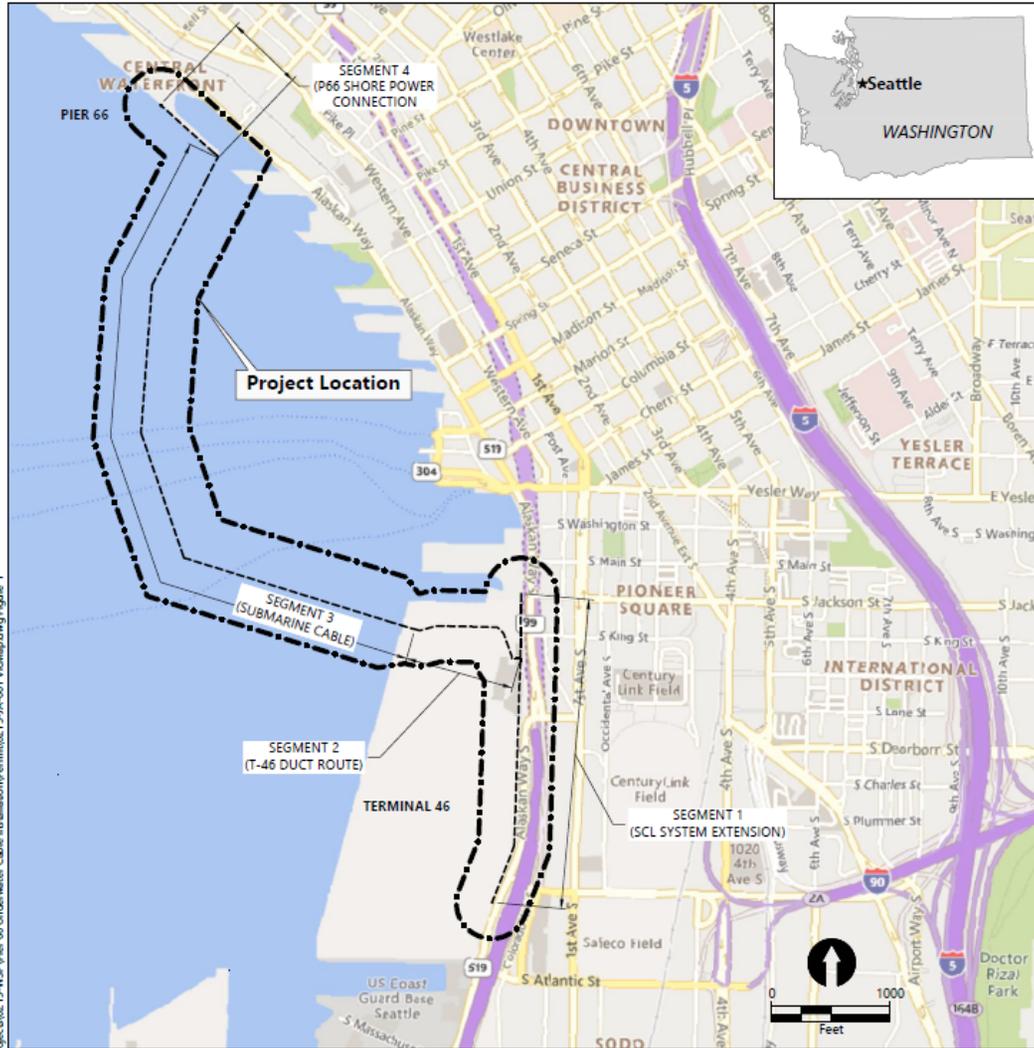
Location of Proposal: Project components are located at Pier 66 (P66) and Terminal 46 (T-46), and within the aquatic area of Elliott Bay. A site map, below, shows the location of the project, including the P66 and T46 components and the in-water routing of the submarine cable.

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

S31 T25N, R4E; S6 T24N R4E



Project Component(s)	Location	Grading Quantity	Area/Length
Segment 1			
Trenching, vault, and cable installation; asphalt replacement	Upland, shoreline (partial)	2,800 cy cut/fill	14,000 sf 2,800 lf
Concrete pad/power service equipment	Upland	15 cy concrete fill	400 sf
Segment 2			
Trenching, vault, and cable installation; asphalt replacement	Upland, shoreline, (partial)	700 cy cut/fill	4,900 sf 1,100 lf
Segment 3			
T-46 shoreline cable protection (rigid conduit)	In-water (Elliott Bay)	NA	120 sf 120 lf
T-46 shoreline articulated mat	In-water (Elliott Bay)	30 cy fill	800 sf 100 lf
Submarine Cable	In-water (Elliott Bay)	NA	4,075 sf 6,110 lf
P66 shoreline articulated mat	In-water (Elliott Bay)	60 cy fill	1,600 sf 200 lf
Segment 4			
Underpier cable and conduit	Over-water (Pier 66 concrete deck)	NA	800 lf
Above-pier concrete curb and pad, switch gears, and transformer	Over-water (Pier 66 concrete deck)	20 cy concrete	840 sf 70 lf

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

TERMINAL 46

7666207695

SEATTLE TIDE LDS LESS SLY 7 FT OF ELY 33 FT OF LOT 4 & LESS NLY 33 FT OF ELY 33 FT OF LOT 5 TGV LOTS 1-19 BLK 368-LESS POR LOT 17 DAF - 5 33.24 FT OF W 60 FT OF E 448.62 FT AS MEAS ON N LN SD LOT 17 TGV LOTS 1-9 BLK 368-LESS POR DAF-BEG 75 FT WLY FR NE COR OF LOT 1 MEAS ALG N LN THOR TH SLY AT R/A TO SD N LN 28 FT TH ELY AT R/A TO LAST DESC LN 37 FT TH NLY AT R/A TO LAST DESC LN 12 FT TH NELY 22.62 FT TO NXN WITH SD N LN AT A PT WCH IS 22 FT WLY FR NE COR OF SD LOT 1 TH WLY ALG SD N LN TO POB & LESS POR OF SEATTLE TIDE LDS BLACK REPLAT AND POR VAC ST ADJ SEATTLE DOCK CO'S REPLAT OF LOTS 10-16 INCLUDING BLK 369 S.T.L. - TGV PORS VACATED STS ADJ SD BLKS 367-368-369 AND TGV POR OF LAND ADJ LY BTWN INNER & OUTER HARBOR LNS-FORMERLY PORS OF WATERWAY ADJ SD BLKS 367-368-369- LESS C/M RGTS IN S 30 FT OF LOT 7 IN LOTS 8 & IN LOT 8 THRU 14 & N 30 FT OF LOT 15 SD BLK 367 LESS POR FOR RD PER REC# 20110225002548 EXC PORTION CONVEYED TO STATE OF WA FOR SR 99 RIGHT OF WAY UNDER RECORDING NO 20150629001899

7667800005

SEATTLE TIDE LDS BLACKS REPLAT LOTS 1 THRU 7 TGV POR LOT 17 BLK 368 SEATTLE TIDE LDS DAF 5 33.24 FT OF W 60 FT OF E 448.62 FT MEAS ON N LN TGV POR VAC ST ADJ LESS POR FOR RD PER REC# 20110225002548 EXC PORTION CONVEYED TO STATE OF WA FOR SR 99 RIGHT OF WAY UNDER RECORDING NO 20150629001899

7666207698

SEATTLE TIDE LDS AREA IN FRONT OF LOT 6 & PORS 5 & 7-SEE MINOR # 7695

7666207696

SEATTLE TIDE LDS AREA IN FRONT OF ABOVE LOTS-SEE MINOR # 7695

7666202631

VAC POR S JACKSON ST - N 50 FT ADJ SLY TO BLK 199 SEATTLE TIDE LDS PER VAC ORD #92426

PIER 66

PORT OF SEATTLE - BELL STREET PIER - LEGAL DESCRIPTION ADDRESS: 2201 ALASKAN WAY, SEATTLE WA 98121

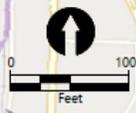
THAT PORTION OF THE WEST HALF OF SECTION 31, TOWNSHIP 25 NORTH, RANGE 4 EAST, W.M. IN KING COUNTY, WASHINGTON AND LYING IN THE SEATTLE TIDE LANDS DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WESTERLY RIGHT OF WAY MARGIN OF ALASKAN WAY AND THE SOUTH RIGHT OF WAY MARGIN OF BATTERY STREET, ALSO BEING THE TRUE POINT OF BEGINNING; THENCE SOUTH 48°49'51" EAST ALONG THE WESTERLY MARGIN OF ALASKAN WAY A DISTANCE OF 1026.96 FEET; THENCE NORTH 90°00'00" WEST A DISTANCE OF 1.90 FEET; THENCE NORTH 48°49'51" WEST A DISTANCE OF 971.27 FEET; THENCE NORTH 52°56'53" WEST A DISTANCE OF 60.84 FEET; THENCE NORTH 90°00'00" EAST A DISTANCE OF 8.54 FEET TO THE TRUE POINT OF BEGINNING, ALSO THE RIGHT TO OCCUPY THE AREA BETWEEN THE INNER AND OUTER HARBOR LINES.

PIERS 64, 65 AND BELL STREET PIER HARBOR AREA - LEGAL DESCRIPTION ALL HARBOR AREA LYING IN FRONT OF BLOCKS 171 AND 172, SEATTLE TIDE LANDS TOGETHER WITH THAT PORTION OF BLANCHARD STREET VACATED BY CITY OF SEATTLE ORDINANCE NO. 31789, LOCATED IN THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 25 NORTH, RANGE 4 EAST, W.M. IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 1, BLOCK 171, SEATTLE TIDE LANDS; THENCE SOUTH 52°56'53" EAST ALONG THE INNER HARBOR LINE A DISTANCE OF 60.84 FEET; THENCE CONTINUING ALONG SAID INNER HARBOR LINE SOUTH 48°49'51" EAST A DISTANCE OF 1498.47 FEET TO THE NORTH MARGIN OF VIRGINIA STREET; THENCE NORTH 90°00'00" WEST ALONG SAID NORTH MARGIN A DISTANCE OF 455.73 FEET TO THE OUTER HARBOR LINE; THENCE NORTH 48°49'51" WEST ALONG SAID OUTER HARBOR LINE A DISTANCE 1142.62 FEET; THENCE CONTINUING ALONG SAID OUTER HARBOR LINE NORTH 52°56'54" WEST A DISTANCE OF 447.42 FEET TO THE SOUTH MARGIN OF BATTERY STREET; THENCE NORTH 90°00'00" EAST ALONG SAID SOUTH MARGIN A DISTANCE OF 497.89 FEET TO THE POINT OF BEGINNING.

VICINITY MAP



K:\Projects\0215-WSP\Pier 66 Underwater Cable Installation\Permit\0215-JA-001\VicMap.dwg Figure 1
May 13, 2021 10:20am tgriga

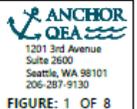
REFERENCE #:
APPLICANT: PORT OF SEATTLE
LOCATION:
PIER 66: 2225 ALASKAN WAY SOUTH SEATTLE, WA 98121
TERMINAL 46: 401 ALASKAN WAY SOUTH SEATTLE, WA 98134

NAME: PIER 66 SHORE POWER PROJECT
ADJACENT PROPERTY OWNERS:
CITY OF SEATTLE, U. S. COAST GUARD, WSDOT, WA DNR

PROPOSED: SUBMARINE CABLE BETWEEN TERMINAL 46 AND PIER 66
PURPOSE: PROVIDE SHORE POWER FOR CRUISE VESSELS MOORED AT PIER 66

HORIZONTAL DATUM: WSP NORTH, NAD83, US FEET
VERTICAL DATUM: MLLW, FEET
LATITUDE: N 47.597455°
LONGITUDE: W 122.340299°
S-T-R: S31 T25N, R4E; S6 T24N R4E

IN: ELLIOTT BAY
NEAR/AT: SEATTLE
COUNTY: KING
STATE: WASHINGTON
DATE: MAY 2021



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:  _____ Date: Jun 2, 2021

Sandra Kilroy (Jun 2, 2021 11:07 PDT)