Item No. 8c - supp

Meeting Date: March 24, 2020

Interlocal Agreements: Washington State Department of Natural Resources and Department of Ecology

Smith Cove Blue Carbon Monitoring Study

Mar. 24, 2020

Port of Seattle®

Smith Cove Project Goals

Carbon storage
- Generate carbon-rich biomass
- Increase retention time

Water quality
- Remove contaminants
- Lower temperature
- Offset ocean acidification (raise pH)

Fish & wildlife habitat
- Create feeding/shelter areas
- Increase overall productivity

DNR/Ecology Responsibilities

- DNR
  - Provide 50% of a Scientist II position for 3 years
  - Monitor water quality/seawater acidity (pH) and shellfish survival
  - Include site in the State's *Acidification Nearshore Monitoring Network* (ANEMONE)
  - Incorporate volunteer participation through a community-based science plan
  - Maintain/repair water quality sensors and other equipment at the site
  - Generate a final report summarizing findings
- Ecology
  - Technical oversight, analysis, and participation by Dr. Micah Horwith
  - Integrate Smith Cove into Ecology's ocean acidification monitoring program
  - Two vessel-based data collection events

Port Responsibilities

- Provide $163,500 in funding to DNR to support the Scientist II position and community-based science involvement
- Provide $36,500 to Ecology for technical oversight by Dr. Micah Horwith
- Provide access to the Smith Cove site and equipment
- Coordinate activities between Ecology, DNR, Puget Sound Restoration Fund, consultants, port, and community

Schedule

Commission approval – E&S Committee funds	**Sept. 11, 2018**
Commission request – Ecology & DNR ILAs	March 24, 2020
Additional kelp and oyster restoration	Spring 2020
Year 1 monitoring	Fall-Winter 2020
Year 2 monitoring	2021
Year 3 monitoring & Final Report	2022