



**PORT of OLYMPIA**

**Citizens Advisory Committee**

**Shore Power**

**Staff Lead:**

Commissioner Zita (ejz@portolympia.com) 4 Feb. 2019 (updated 11 March 2019)

**Background:**

When ships use diesel power for propulsion, their exhaust produces toxic and carcinogenic particles that are dangerous to breathe, and carbon dioxide (CO2) emissions that warm the atmosphere, acidify the ocean, and raise sea levels. Ships are converting to cleaner power sources, including electric power. The Port of Olympia has potential markets for new business in small cruise ships and fast passenger ferries, which can be electric powered (see the 2018 POCAC Passenger Ferry study). If the Port has shore power available for electric boat charging, we will be more likely to attract these market opportunities. Shore power can be useful for larger ships and smaller boats as well. Vision 2050 respondents showed interest in these options.

Shore power can help the Port clean the air, slow climate change impacts on oceans, serve growing needs of local boat and ship customers, and improve our local economy in the process.

Potential resources:

- The Department of Commerce and the Environmental Protection Agency have resources to help agencies such as the Port install Shore Power.
- The Governor’s new Blue Marine Economy program incentivizes electrified transportation and more.
- The 2019 WA State Legislature has introduced bills to increase funding of clean fuel sources such as electric power: House Bill [1664](#) and Senate Bill [5336](#).

**Scope of Work: *Produce a REPORT for Commission to consider***

Evaluate opportunities for installing shore power at the Port of Olympia

- What programs are available?
- What could/should we install, and where?
- Estimate costs and benefits.
- Work with staff to apply for grants.

**Timeline:**

6 months