



# About the Tacoma LNG Facility

## Project overview

- PSE to build a \$310 million liquefied natural gas (LNG) facility at the Port of Tacoma to provide:
  - Clean and cost-effective gas supply resource for PSE's natural gas customers
  - Cleaner fuel alternative for maritime vessels
- Expected completion in late 2020

## What is liquefied natural gas (LNG)?

- Liquid form of natural gas (cooled to -260 degrees F)
- Colorless, odorless, non-toxic, non-corrosive liquid
- Not explosive or flammable in its liquid state

## Reliability benefits of natural gas

- Meeting this peak demand and mitigating the risk of the region being served by a single transmission pipeline are the main reasons we're building an LNG facility in Tacoma, to provide natural gas to our customers on the coldest winter days
- Natural gas from PSE heats more than 70 percent of homes and powers more than 40 percent of businesses in the state
- When the sun isn't shining or the wind isn't blowing (eliminating our solar and wind sources of energy), natural gas is an immediate source of electricity
- On the coldest days, natural gas is what our system depends on to meet demand

## Environmental benefits over conventional fuels

- Reduces CO2 emissions by up to 30%, when replacing diesel
- Reduces the amount of harmful particulates produced by ships by as much as 89%
- Helps to improve air quality and reduce health risks
- Eliminates the potential for harmful diesel fuel spills in Commencement Bay
- Turns back into a gas when exposed to the air, thereby, in the unlikely event of a spill, has no lasting effects on marine life or water

## Economic benefits to the region

- Create an estimated
  - 250 construction jobs
  - 18 permanent jobs at the facility
  - 125 permanent jobs in the region (as a result of the facility)
- Facility will generate millions of dollars in tax revenue for local schools, city services including fire safety and roads, and other state and local government services

## Frequently asked questions about the LNG facility

### How can we be sure the LNG tank won't collapse in the case of an earthquake, lahar or tsunami?

Federal regulations prescribe the seismic requirements for the tank and entire facility and are much more stringent than the requirements for bridges and overpasses. The construction will exceed the design standard to withstand an earthquake expected every 2450 years with no loss of LNG.

The project is designed to survive a tsunami from seismic events on either the Seattle or Tacoma fault. These requirements are specified by the City of Tacoma and use data from NOAA and USGS.

### Will the LNG facility be an export terminal?

No, at 8 million gallons, the Tacoma LNG facility is much too small to be an export terminal. It is designed and permitted to meet the needs of PSE's gas utility customers by providing additional gas supply during times of peak demand and to provide a cleaner alternative to diesel and marine fuels used by the transportation industry.

### Does the LNG facility have a 3-mile blast zone?

No, a three-mile blast zone does not exist around the PSE LNG facility. That claim by opponents is not factual. How do we know this? Strict federal regulations require extensive hazard analysis of all possible leak, spill, fire, and explosion scenarios at any LNG facility, all of which must be contained on the project site. We conducted nearly 200 possible failure scenarios and the proposed facility passed them all.

