

Ensuring safe and reliable energy for Bainbridge Island

PSE will provide safe, reliable and clean energy for Bainbridge Island businesses and residents.

The need — Bainbridge Island customers experience longer and more frequent outages compared to customers in Kitsap County and across PSE's service area. This lower reliability occurs because of aging equipment, the lack of a second source of power without a looped system (redundancy), trees falling on transmission lines and difficult access.

In addition, we increasingly rely on electricity to power our daily lives and need more energy, especially during the coldest and hottest times of the year.

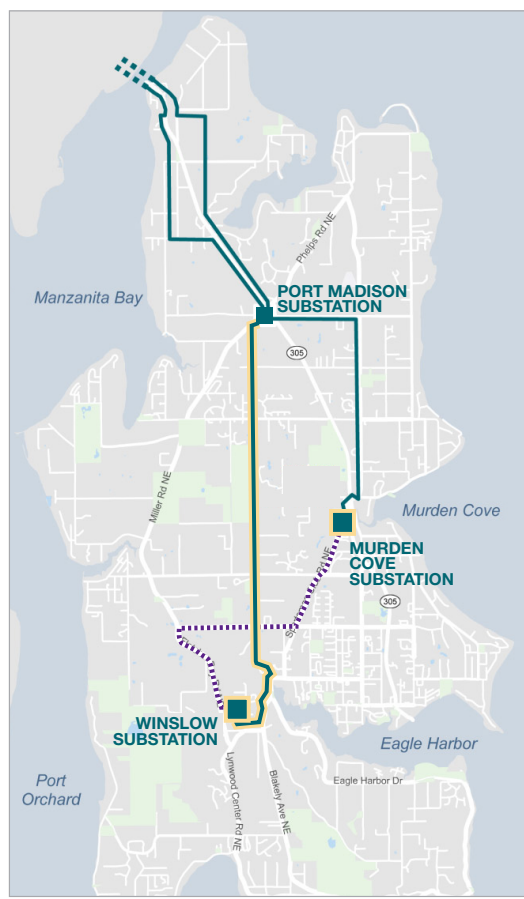
The hybrid solution — PSE will combine new grid infrastructure and energy efficiency programs to improve transmission reliability and address distribution capacity (see the map of the Bainbridge Island hybrid solution projects to the right).

We will continue to keep property owners and the community informed of our progress on these projects, construction impacts and opportunities to engage.

Winslow Tap 115 kV transmission line rebuild






We plan to rebuild portions of the existing 4.5-mile Winslow Tap transmission line, which was built over 60 years ago and is the only existing line that directly serves the 4,500 homes and businesses on the south end of the Island.

We will replace select poles and equipment, install new wire and improve safety and access along the existing corridor. This work will reduce the number and duration of outages, serving customers reliably into the future. Currently, we're coordinating with property owners to acquire easements for operation and maintenance of the Winslow Tap. We expect construction to begin in 2029.



Map of the Bainbridge Island hybrid solution


This map shows where the transmission line and substation projects are located. All Bainbridge Island customers can participate in our Flex Smart+ and energy efficiency programs.

-  Upgrades at Murden Cove and Winslow substations
-  Winslow Tap 115 kV transmission line rebuild
-  New Murden Cove — Winslow 115 kV transmission line
-  Existing substation
-  Existing 115 kV transmission line

How to stay involved

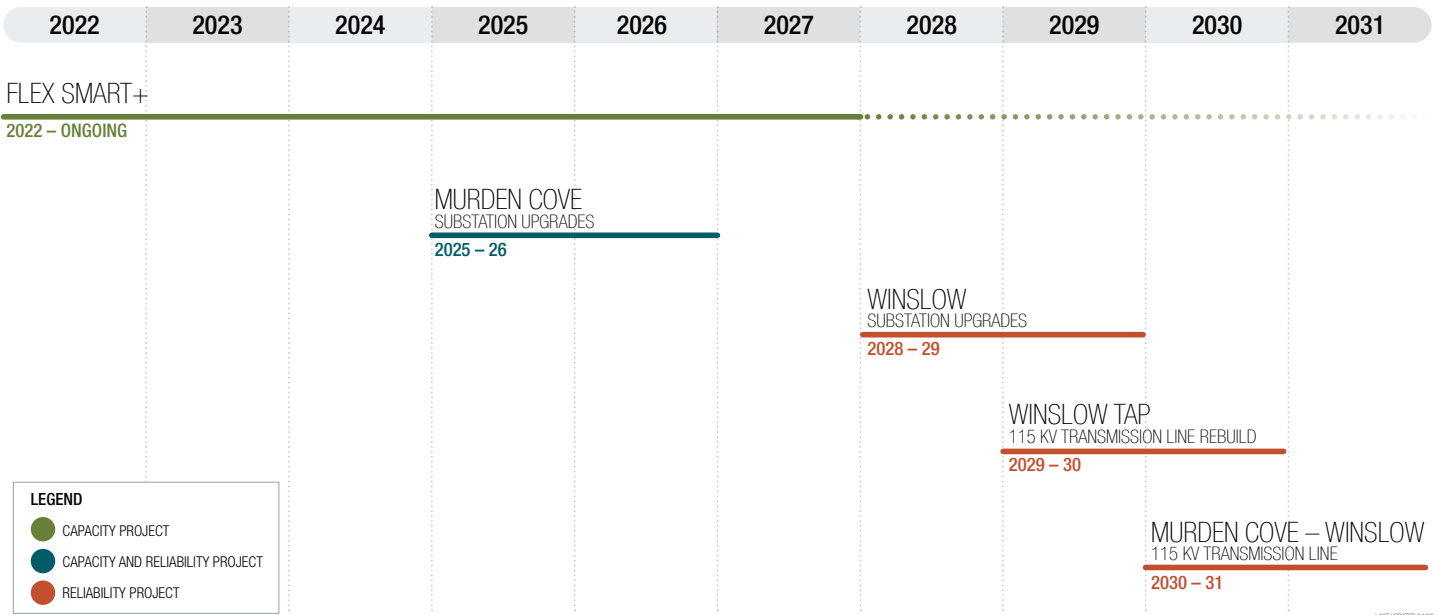
Visit [PSE.com/Bainbridge](https://www.pse.com/Bainbridge) to sign up for our monthly e-newsletter and learn more about these projects.

 Follow us on Facebook at [Facebook.com/PSEonBainbridgeIsland](https://www.facebook.com/PSEonBainbridgeIsland)

 If you have questions or need to request this information in another language or format, please call **1-360-394-2676** or email Bainbridge@PSE.com

Project schedule

Below is our current schedule for the Flex Smart+ program and construction on our hybrid solution infrastructure projects. **This schedule could change, depending on the progress of easement acquisition and permitting.**



Murden Cove – Winslow 115 kV “missing link” transmission line

We plan to install a new 115 kV transmission line between the Murden Cove and Winslow substations to create a transmission loop. Each substation will connect to two transmission lines. If one line goes out, the other line can still feed the substation and provide power to customers. This project will improve reliability for two-thirds of the Island, including families, schools and businesses. We’re currently continuing design and real estate planning and expect to start construction in 2030.

Upgrades at Murden Cove and Winslow substations

To improve reliability, PSE is upgrading the Murden Cove Substation in 2025 and 2026 and the Winslow Substation in 2028 and 2029. These upgrades will support the new Murden Cove – Winslow 115 kV transmission line. In addition, PSE is installing a second transformer within the Murden Cove Substation to provide electric capacity to meet our customers’ current and future energy needs. We will schedule this work during the non-storm season, typically from late-spring to early-fall, and minimize community impacts as much as possible. We will continue to provide safe, dependable energy during construction.

Sign up for Flex Smart+

Flex Smart+ is a voluntary energy-efficiency pilot program for residential customers on Bainbridge Island who heat or cool their home with electricity. It uses smart technology to help meet the Island’s growing energy needs. By shifting when you use electricity and using less, you help ensure a dependable supply of energy, reduce the need for more new infrastructure and shift energy usage to match the availability of renewable sources like wind and solar. Thank you to everyone that participated in the Flex Smart+ rebate program, which ended in 2025. You can still enroll a participating thermostat home battery system, water heater or electric vehicle charger and receive an extra \$75 on top of the rewards offered by the PSE Flex program.

To learn more about Flex Smart+, visit PSE.com/FlexSmartPlus and sign into your PSE account, email FlexSmartPlus@PSE.com or call 1-833-203-1947. Sign up to help meet our energy needs and save money!



Other related projects

Ferry electrification: PSE is working with Washington State Ferries to provide additional electricity to ferry terminals in our service area, starting with Bainbridge Island. We are early in the process and will keep you informed of our progress. Visit WSDOT.wa.gov/Construction-Planning/Major-Projects/Ferry-System-Electrification for more information.

See the full list of **PSE’s current projects** on Bainbridge Island at PSE.com/Bainbridge