

West Point Treatment Plant

Power Quality Improvement Project

Project update

December 1, 2021

In Spring 2021, the project team identified a long-term solution to minimize and ultimately eliminate the unauthorized release of wastewater into Puget Sound due to electrical power disruptions, or voltage sags, at West Point. The County will install a battery technology system that will prevent critical electrical systems from protectively shutting down in response to voltage sags. Compared with the other potential solutions we looked at; this one has a short timeline. It is estimated that it can be installed by 2024.

Our team is designing a new building that will replace an existing building at West Point to house the batteries; one that will be strong enough to support their significant weight— and have the capacity for the accompanying transformers, switchgear and electronics. Constructing the replacement building also gives us the opportunity to design for the future, incorporating sustainability features and energy-efficient design.

Currently, our construction approval process has progressed, with the Seattle City Council's Land Use and Neighborhoods Committee considering legislation ([CB 120215](#)) to expedite permitting and a committee briefing by the County on Dec. 3. To learn more, go to the [meeting agenda](#).

Read our [latest blog post](#), [frequently asked questions](#) and an article about this project in the County's [June West Point capital projects newsletter](#) and [October newsletter](#) for more detail about power quality issues and how this technology addresses them.