



Arlington BESS Project Narrative

February 3, 2025

The proposal includes partial development of a 25.69-acre parcel located at 17601 63th Ave. NE in Arlington, Washington, located east of the Arlington Airport. This project includes a 25-megawatt Battery Energy Storage System (BESS) to be constructed in the area that was formerly occupied by the four northernmost rows of the existing solar array. The utility-scale battery energy storage system will provide stored electrical energy for the Snohomish Public Utility District to use as additional capacity to the Arlington electrical grid. This project will connect to the Crosswinds substation, currently under construction in the southeast corner of the site. The footprint of this BESS project is approximately 1.5 acres.

The BESS system is comprised of 38 Tesla Megapack 2XL batteries with 12 associated transformers, an auxiliary transformer, and a Power Control House, located east of the future 63rd Ave NE public right of way. To create the BESS system, each battery measuring 28.87 ft (W) × 9.14 ft (H) × 5.41 ft (D) will be installed in groups of one (1), two (2), and four (4). Each group will have its own transformer and concrete pad and will be spaced 15 feet between groupings.

Site improvements related to this project include the following:

Grading, trenching, and concrete pad installation to support the installation and interconnection of the BESS system.

Installation of security fencing, cameras, monitoring systems, pole-mounted lighting and stormwater and spill containment infrastructure for the batteries and transformers. Grading work will be performed for proper function of the stormwater/spill containment infrastructure.

Construct BESS

The new 25 MW BESS system will be constructed at the existing solar array in the area that was formerly occupied by the four northernmost rows of the existing solar array. The Power Control House will be a small, single-wide manufactured building to accommodate BESS monitoring, controls, SCADA, and maintenance activities for the life of the BESS system. An additional auxiliary transformer will be installed next to the Power Control House. A second manufactured building will be dedicated to Tesla for battery and inverter maintenance activities.

Trenching activities will facilitate the electrical duct bank, controls and communications cabling, power, security, and interconnection requirements for the project.