

Longhorn Substation

Background

The Boardman/Morrow Flat area is at the limit of the existing 230kV sources for the Boardman and Morrow Flat substations. The last LLIR, L0454 by UEC requested a study to utilize the remainder capacity out of the Boardman/Morrow Flat Point of Delivery. Any future growth in the area will require an additional source, which is the reason the 500kV McNary-Coyote Springs line is being proposed as the additional source. During the project to build the Morrow Flat Substation, the land adjacent to Morrow Flat was purchased with the anticipation that Longhorn would be built when additional capacity was needed. UEC has requested additional load serving capacity from the proposed 500/230kV Longhorn Substation as documented in the N0702 independent study by Transmission Planning.

There is currently over 2,500MW of generation in the queue requiring construction of Longhorn Substation. If Longhorn is constructed, no significant network upgrades are anticipated to integrate these resources. Puget Sound Energy has submitted 200 MW and 400 MW TSRs in the current TSEP which require Longhorn as the POR.