

Midway – Grandview No. 1 Line Upgrade

This line rebuild is required to deliver the capacity that Network Planning has forecast. System studies have shown that a nine mile portion of this line needs to be rebuilt by the summer of 2019 to avoid an overload during the loss of the White Bluffs 230-115 kV transformer, among other contingencies. The response for such an overload would involve shedding of customer load. Such a response is not compliant with NERC TPL-001-4, requirement P1-3. The remaining portion of the line would experience a thermal overload during the same outage by the summer of 2020.

Prior to the identified planning need, this line was scheduled for rebuild based on performance (outage reports), type of conductor and condition of the poles. The condition is evidenced by the fact that over 60 of the line's 366 poles have been replaced as danger poles since 2008. Another 187 are prioritized for replacement.

This rebuild of Midway-Grandview is being bundled with the rebuild of Midway-Moxee, which is being done as part of the sustain program. The two lines are parallel for the first five miles and traverse an area which includes cultural resources, as well as endangered and threatened plant and animal species. The first two miles are also on DOE Hanford land which involves specific badging and access requirements. Bundling the lines will allow for one period of disturbance and one NEPA process for both projects. The Midway-Moxee work has been delayed to allow the bundling.