

Non-Wires Alternatives Opportunities

Project Name/Description:	Mountain Lodge
Project Type:	Load Relief & Reliability
Project Size:	Small
Estimated RFP Timing:	Q4 2019

Mountain Lodge Park is a community of 772 customers located near Clove Road in the Town of Monroe, in Orange County. The distribution system into Mountain Lodge Park is supplied from two separate 3 – 500 kVA, 13.2/4.8 kV step transformer banks located at each entrance. There are no other paths into Mountain Lodge Park to establish additional circuit ties. In 2017, for a loss of one step transformer bank at peak loads, the remaining step transformer bank can only pick up approximately 81.9 percent of the Park load (approximately 139 customers out of service). By 2022, the percent backup decreases to 81.1 percent (approximately 153 customers out of service).

O&R is currently considering projects that will convert sections of the supply voltage of Mountain Lodge Park in order to establish a 13.2 kV tie that will provide 100 percent backup in the event of a contingency on one feed. Due to the costs of these projects, O&R is also considering an NWA. The goal of the NWA is to reduce the load in Mountain Lodge Park by approximately 280 kW at peak time. This reduction would allow the remaining step bank to support the entire Mountain Lodge Park load and provide 100% contingency.

NWAs to be implemented in Mountain Lodge Park will seek capacity reductions on the two 13.2/4.8 kV step transformer banks of 280 kW by 2022 to meet the expected load growth and defer traditional infrastructure investment. This amount of reduction will allow 100 percent of the load area to be supplied from one step transformer bank while remaining under the transformer nameplate rating. Acceptable DER/NWA plans must include appropriate diversity to reliably achieve the required capacity/demand offsets. O&R expects to release an RFP in fourth quarter of 2019.