

## Non-Wires Alternatives Opportunities

Project Name/Description:	<b>Monsey</b>
Project Type:	Load Relief & Reliability
Project Size:	Large
Estimated RFP Timing:	Q3 2017

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The Monsey Substation (#44) is located in the hamlet of Monsey in the town of Ramapo in Rockland County. The area is experiencing significant residential growth that has led to highly loaded circuits and substation transformer banks, resulting in an expected violation of O&R's distribution design standards under normal and contingency conditions. O&R's traditional solution is to construct a new substation with the larger capacity of two 50 MVA transformer banks and additional circuits to serve the growing load, provide for contingency needs, and meet design standards. Substation improvements are needed beginning in 2019, with capacity relief for approximately 0.5 MW to be implemented annually during 2017 to 2019. To further defer the substation upgrade, approximately 2.5 to 3.0 MW would be needed by 2021, depending on actual future growth. These capacity requirements will be increased by a reliability factor to provide equivalent reliability of the traditional solution. O&R conducts an annual planning cycle to monitor substation needs and will adjust capacity requirements based on actual growth, block load additions and other factors. O&R expects to release the first RFP requesting load reduction solutions in the third quarter of 2017. The specific Monsey distribution circuits approximated by the geographical area, are defined to be north of Airmont, east of Viola, west of Spring Valley and south of New Hempstead.