

CASSADAGA WIND GENERATION DISPATCH FORECASTING

Project Description:

EverPower Wind Holdings, Inc. (EverPower)'s Cassadaga Wind project is a proposed 126 MW wind farm located in the Towns of Arkwright, Charlotte, and Cherry Creek in Chautauqua County, New York. The project is planned to come online by late 2018

The Cassadaga project was subject to the New York State Article 10 Siting Process. Electric Power Engineers, Inc. (EPE) assisted Everpower in providing all the information required in the 1001.8 Exhibit 8 of Article 10 as part of the Article 10 Application

Need:

EPE evaluated the effects of the proposed 126 MW Cassadaga wind generation facility, planned to interconnect at the National Grid 115 kV Moon switching station, on the energy dispatch of must-run resources within the service territory of the New York ISO (NYISO) for 2019. The must run resources for this purpose are defined as existing wind, hydroelectric and nuclear facilities, as well as co-generation facilities to the extent that the latter are obligated to output their available energy because of their steam hosts

EPE modeled and ran the NYISO 2019 system, with and without the proposed Cassadaga wind project and compared the generation dispatch of must run resources in the NYISO service territory between the two cases in order to analyze the impact of the Cassadaga project on must run units in NYISO. EPE also evaluated the impact of the Cassadaga project on the emission levels. This analysis was performed using GE's Multi-Area Production Simulation (MAPS) software which is heavily utilized for market studies within the NYISO service territory



Results:

- While the EPE study identified that the Cassadaga wind project insignificantly impacted the dispatch of the Must-Run generation, it identified that the project, if built, will result in tremendous CO2 reductions
- EPE's analysis assisted EverPower in filing the Article 10 Application for the Cassadaga wind project with the New York State Board on Electric Generation Siting and the Environment Board



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