

PROJECT PROFILE

Red Lake Falls

LOCATION

Red Lake Falls, MN

START DATE

August 2020

END DATE

December 2020



SCOPE

- GE 2.3 MW turbines (2), 80-meter hub height, 116-meter rotor
- 1 MW of solar as a backup system
- GE WISE integration system for the solar/wind coupling into the substation
- Substation built in-house

OVERVIEW

Wind and Solar unite at Wanzek's cutting-edge project, Red Lake Falls (RLF), Wanzek's first ever Solar and Wind hybrid project. RLF's technology allows for both wind and solar generation to work together on optimally producing electrical energy to the local grid. The system connecting the solar and wind components is a WISE system, which includes controls, monitoring and metering in one system to maintain optimum performance of power distribution. The solar field consists of 2,380 solar modules on a fixed tilt system, in connection with two 2.3 MW GE wind turbines. Wanzek's Renewable Service, Wind Construction, Solar Construction and Solar Services teams joined forces to accomplish the successful build of the Red Lake Falls Project.