

# **Heritage Wind Project**

**Case No. 16-F-0546**

**1001.40 Exhibit 40**

## **Telecommunications Interconnection**

## EXHIBIT 40 TELECOMMUNICATIONS INTERCONNECTION

Generally, it is not anticipated that the Facility will require telecommunication interconnections as defined by Article 10, 16 NYCRR § 1001.40, in that no new off-site telecommunication lines are anticipated. It is likely that data will be transmitted to National Grid and others using existing telecommunications facilities, as the area is generally served by existing cellular and broadband services. In addition, Facility communications will be installed on-site as part of substation and O&M building improvements.

### (a) Operational Data Transmitted to NYISO and National Grid

The Facility's generating operational data will be transmitted to New York Independent System Operator (NYISO) and National Grid through a fiber-optic shield that will be wired from the collection station into the POI. Operational data will include generation data (real power output in megawatts [MW], reactive power output in megavars [MVAR], and any curtailment) and meteorological data (wind speed, wind direction, barometric pressure, ambient temperature, dew point, and humidity). The Facility's electricity meter is anticipated to be located at the POI substation. From the metered location, generation data will travel along a fiber optic line connecting the POI substation to the adjacent collection substation. At the collection substation, an Internet Protocol (IP) network connection will be enabled. Once the collection substation and O&M building have internet service, a secure encrypted link will be established between the collection substation and the O&M building to allow for secure communication between the two buildings.

### (b) Facility Operations Communications Methods

High speed internet connection will be established at the minimum point of entry. At that point, a secure encrypted link will be established over that line with the Facility's central operations center to provide real-time telemetry and other information to the appropriate parties for monitoring and reporting purposes.

At the O&M building, a similar setup will be established for high speed data communications. A Voice Over Internet Protocol (VoIP) telecommunications network will be set up that will also allow for internal communications as well as telecommunications to the public and emergency responders, if necessary. There will be secure encrypted links at both the O&M building and the minimum point of entry that will be tied back to the Applicant's corporate offices for monitoring and access to the Facility.

(c) Status of Negotiations

Negotiations have not yet been initiated for the Facility because the agreements have not been identified at the time of Application filing.