



HIGH RIVER ENERGY CENTER

Case No. 17-F-0597

1001.40 Exhibit 40

Telecommunications Interconnection

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Exhibit 40: Telecommunications Interconnection

This Exhibit will track the requirements of proposed Stipulation 40, dated August 26, 2019, and therefore, the requirements of 16 NYCRR § 1001.40.

40(a) Description of Proposed Telecommunications Interconnection

The Project's electrical output will be transmitted to the New York Independent System Operator (NYISO) and National Grid via a 115 kilovolt (kV) transmission line connecting the collection substation to the Point of Interconnection (POI) switchyard. The energy generated from the photovoltaic (PV) arrays will be stepped up from 0.55 kV to 34.5 kV through padmount generator step-up (GSU) transformers. These transformers will be connected via two 34.5 kV feeders to a 115/34.5/13.8 kV step-up transformer rated at 69/92/115 Mega Volt Amp (MVA). The 115 kV side of the step-up transformer will be connected to a three-breaker ring bus at the POI. The POI is adjacent to the existing Stoner – Rotterdam 115 kV transmission line. The Applicant is responsible for transmitting data to the POI. Thereafter, it is the responsibility of the local incumbent utility (National Grid) to pass along that data to NYISO. Data will also be transmitted to the Applicant's Renewables Operations & Control Center (ROCC)/Fleet Performance and Diagnostic Center (FPDC) which is responsible for the Project critical controls, responding to alarms, and other functions for the safe and reliable operation of the Project.

40(b) Analysis of Telecommunications Capacity

The Applicant is currently coordinating with internet service providers to confirm service lines located within or adjacent to the Project Area. The Applicant intends to establish high speed internet for the Project from the preferred internet service provider and will coordinate with them to install appropriate telecommunications equipment within the Project Area. The internet service provider will also be responsible for ensuring reliable service capacity is available and conducting any upgrades determined to be necessary at the Project. Communications with National Grid and the public, including emergency responders, will be conducted using the anticipated telecommunications system installed at the Project, or, if that system is down, via mobile telecommunications devices.

40(c) Description of Negotiations and Agreements with Telecommunications Providers

The Applicant anticipates establishing an interconnection agreement with an internet service provider, however, no formal contract has been entered into at the time of this Application. The

Project is currently in the Facilities Study stage of the interconnection process and all details for communications interconnections will be available for submission when that process is concluded.

40(d) Environmental Effects of Telecommunication Interconnection

Environmental effects, anticipated to be within the Project Area, will be minimal and temporary as a result of installation of telecommunication interconnection, typical to providing these services to other uses (such as commercial and residential).