

**Genesee Generating Station Units 4 and 5 Project  
Rule 007 Application for a Power Plant**

**PP39. If the power plant is to be connected to the Alberta Interconnected Electric System (AIES), irrespective of voltage level, provide the following information:**

- **an electrical single-line diagram obtained from the ISO or sanctioned by the ISO showing the transmission development plan for the interconnection, and**
- **a map with one or more conceptual layouts showing possible routes and general land locations for facilities that would be used to interconnect the power plant to the AIES.**

In April 30, 2013, Capital Power filed a System Access Service Request (SASR) with the Alberta Electric System Operator (AESO) for connecting the Project to the Alberta Interconnected Electric System (AIES). EPCOR as the Genesee switchyard owner (TFO) will be involved at the early stages of the Project. A Connection Study Scope was finalized by AESO on June 27, 2013.

The Project is currently in Stage 2 of the process. The AESO is completing the first draft of the Engineering Study Report (ESR). Capital Power has submitted all necessary data to AESO for the ESR and Stage 2 Project Data Update Package (PDUP). AESO plans to complete the Stage 2 PDUP by mid-March, 2014. A Connection Proposal has been developed between AESO, EPCOR, and Capital Power. AESO has also issued a preliminary Single Line Diagram (SLD) for this transmission connection between the Project and the Genesee 500kV switchyard expansion. The single line diagram is provided in Appendix P. There are no proposed alternatives to the Genesee switchyard for interconnection.

**PP40. If the power plant is to be connected at distribution voltage level (generally less than 69 kV), the applicant must provide a statement from the Distribution Facility Owner (DFO) indicating that it is willing to connect the generating facilities.**

This sub-section is not applicable.