Nova Scotia POWER
An Emera Company

Facilities Study Infrastructure Report

Generator Interconnection Request #227

Establishing a 23 kV System Interconnection
For a 10.2 MW Biomass Generation Source

[redacted]

Hantsport, Nova Scotia

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System	Description

1.0 INTRODUCTION

This project provides for the establishment of a 23 kV system connection for a new 10.2 MW biomass powered generating facility located between the Nova Scotia Power Inc (NSPI) 20V-Five Points and 41V[redacted] substations. See Appendix A Project Site Location Drawings for details.

The Point of Interconnection shall be on the existing 23kV line (L-4048), within 50 m from the 41V[redacted] substation. See Appendix C One Line Diagram of Point of Interconnection for details.

The cost estimates provided are good faith, best estimates, based on Section 3.0 Scope of Work defined in this Facilities Study Report. The assumed contingency for this project is 10%. The Customer[redacted] will be responsible to pay NSPI actual incurred costs associated with this project; be it higher or lower than the estimate provided.

This Interconnection Facilities Study Report is based on the Revised Standard Generator Interconnection Procedures as approved by the UARB on February 10, 2010 and the System Impact Study Report GIP-IR227-SIS-R0 issued by Ms. Joy Brake P.Eng. of NSPI on January 11, 2011.

2.0 SUMMARY

2.1 Estimated Costs

The estimated cost for NSPI to provide a 23 kV Interconnection to the[redacted] biomass powered generating facility is **$657,206 (HST excluded),** of which approximately **$499,000** would be considered network upgrade costs. This cost estimate is summarized below in Table 1:[redacted] Interconnection Biomass Generating Facilities Estimate (Overall Costs) and is based on the Scope of Work outlined in Section 3.0 of this Facilities Study Report.