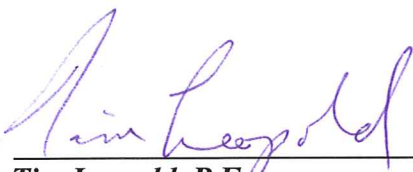


NOVA SCOTIA POWER INC.

TRANSMISSION & DISTRIBUTION ENGINEERING DEPARTMENT



FACILITIES STUDY INFRASTRUCTURE REPORT
FOR
IR#151 - ESTABLISHING A 138 kV SYSTEM INTERCONNECTION
FOR A 50 MW STEAM POWERED GENERATING FACILITY
AT 91H - TUFT'S COVE GENERATING STATION

Approved by: 
Tim Leopold, P.Eng.
Director, Project Implementation

Date: May 10, 2011

Rev. 1

Facilities Study Report



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Project: Tufts Cove #6 Generating Facility

Date: May 10th, 2011 Rev. no.: 1

System	Description
<p>1.0</p> <p>2.0</p> <p>2.1</p>	<p>INTRODUCTION:</p> <p>This project proposes a 50MW steam powered Generator connected to the 138 kV bus located at Tuft’s Cove Generating station in Dartmouth, NS. This generator will operate as part of units #4 and #5 at Tuft’s Cove making a combined cycle plant with a 150MW capacity.</p> <p>The Point of Interconnection will be the existing Tuft’s Cove Substation G4/G5 138 kV Bus. This generator will share the same Point of Interconnection as units #4 and #5, and together, all three units will supply fast acting power generation to the Dartmouth and Halifax metro region.</p> <p>The facility infrastructure report is based on data that originates from the IR 151 System Impact Study Report GIP-IR151-SIS-R2, completed by NSPI on July 25, 2010.</p> <p>SUMMARY:</p> <p>Estimated Costs:</p> <p>The estimated cost for Nova Scotia Power to provide the interconnection to the Tuft’s Cove #6 steam power generating facility is \$28,566 (HST excluded). This cost estimate is summarized in Table 1: Tuft’s Cove #6 Steam Powered Generating Facility Cost Estimate below.</p> <p>The cost estimate in this report is valid for 180 days.</p>

Transmission Engineering

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Customer Operations

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