

**50 MW Gas Turbine - Budget Estimate**  
Nelson Seymour to: Bob Moulton

08/07/2011 04:23 PM

Bob,

I high level estimate of total direct costs (excluding AFUDC, overheads, escalation and contingency) to construct a new 50 MW gas turbine is \$55 million. In July of 2010 we had discussions with [REDACTED] regarding budgetary numbers for the supply and installation of a simple cycle plant. The discussion is summarized in an e-mail below. Considering [REDACTED] comments we are allowing for an upside estimate number of \$ 40 mil in the budget to supply and install the plant. An additional \$15 mil has been allowed for site acquisition/preparation, fuel storage/distribution, environmental enhancement options, integration into island grid, engineering/project management (internal and external consultant). A detailed engineering study is required to develop an estimate further.

Nelson

From: [REDACTED]  
To: <AndreaMacDonald@nlh.nl.ca>  
Date: 07/06/2010 03:09 PM  
Subject: RE: New Gas Turbine Plant

Andrea,

My apologies, I spoke too soon about the [REDACTED] option, remembering after that we had been looking at using only liquid fuel for this facility. Unfortunately, I can't offer [REDACTED] for use with liquid fuel. I've attached performance runs based on the site elevation used in our previous discussions for the [REDACTED] and [REDACTED] and [REDACTED] and [REDACTED]. These can all achieve [REDACTED] NOx on liquid fuel using [REDACTED] for NOx control. The [REDACTED] feature will boost power output at [REDACTED] if that is what you desire, though as you see from the performance data there is also a [REDACTED]. It would be advantageous to determine how often you think you would be using the [REDACTED] feature, though it does offer a significant power boost at [REDACTED]. If you have your latest fuel oil specifications, I can use that in the performance model to provide a more specific picture of the output and heat rate you can expect from these units.

The first available shipment for the [REDACTED] is [REDACTED] and the first available shipment for the [REDACTED] is [REDACTED]. The next availability is [REDACTED] for both (based on present orders).

The budgetary price is [REDACTED] (US) for the [REDACTED] and [REDACTED] (US) for the [REDACTED]. [REDACTED] adds approximately [REDACTED] to the price of the unit. These prices include [REDACTED].

[REDACTED] for NOx control. I can get [REDACTED] pricing, but would need to know what NOx emissions level you plan to achieve

Installation costs can certainly vary depending upon a number of things [REDACTED]. Total installed cost, [REDACTED].

I'd be pleased to discuss this information with you and would also be happy to meet with you at your offices to discuss the latest [REDACTED] developments.  
Regards.

[REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]