## Kennedy, Jerome

From:

Kennedy, Jerome

Sent:

Monday, September 03, 2012 11:19 AM

То:

Kennedy, Jerome

Subject:

Fw: Summary of Wood Mac meeting in London - Aug. 31/12

----Original Message-----

To: Kathy Dunderdale To: Brian Taylor To: Robert Thompson To: Ed Williams To: Charles Bown

To: Charles Bown To: Lynn Hammond

Subject: Summary of Wood Mac meeting in London - Aug. 31/12

Sent: Sep 1, 2012 8:27 PM

## Premier,

Copies of Ziff's natural gas reports on LNG/importation and Grand Banks pipeline options had been provided in advance of the meeting. We had a 2 hour meeting in London with the same analysts we met with in late June and the Ziff Reports were reviewed in detail. There has been ongoing involvement of, and apparent reliance on, the Wood Mac officials whom we had previously met with in New York.

At this point the only comparison we have of the cost of natural gas to Muskrat Falls is Wade Locke's statement during his Harris Center presentation in February 2012 that natural gas would have to be delivered to Holyrood at less than \$5.75/mbtu to be cheaper than Muskrat Falls. To date no further work has been done to determine the accuracy of this number.

Ziff did not see the pipeline option as feasible in that we could not order the oil companies to develop natural gas. Wood Mac agreed.

Even if we could get around the first issue Husky has stated that gas would have to be in the Henry Hub range to make the development of White Rose gas economically feasible. Natural gas is currently at \$2.80 Henry Hub and is not projected by Wood Mac, PIRA or Ziff to rise above in the next decade.

Ziff concluded that the Grand Bank Pipeline option would cost between \$22-33/mbtu. Wood Mac agreed and stated that because the cost is in the \$20-30 range then the building of a pipeline is not commercially feasible.

On the importation of LNG and conversion of Holyrood to a natural gas burning facility Ziff concluded that the cost would be in the range of \$19.80/mbtu\$ Henry Hub.

Wood Mac expressed a concern here about Ziff's capital cost estimate of the regasification facility which Ziff estimated to cost between \$1.0-2.0 billion. Wood Mac thought this type of facility could be built for \$500-700 million. If. Wood Mac is correct, the cost of LNG would be in the \$12.00-14.00 range as opposed to \$19.80.

Ziff needs to be consulted further to determine how they arrived at the \$1.0-2.0 billion dollar figure.

Wood Mac emphasized that in order to do a proper comparison with Muskrat Falls (KEY ISSUE - at what point does natural gas become more economically feasible than Muskrat Falls?) an accurate point of comparison is needed, whether it is Dr. Locke's \$5.75 or another number. It is crucial, therefore, that a number be developed, whether by Wade Locke, Nalcor or Wood Mac.

In conclusion, it would be helpful if, at some point, Wood Mac would issue a letter saying that they have reviewed Ziff's reports and are in agreement with Ziff's

conclusions.

Overall, the meeting was very helpful. In my opinion, it is better to identify potential issues now than to give the critics ammunition later on. While we still have work to do I am confident that, based on what we know today, we are in a good position and that Muskrat Falls is a lower cost option than the natural gas options.

Jerome

Sent Via BlackBerry

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