

FW: EXTERNAL - FW: Good question re: the capitalized interest -- you've got me thinking now....

From: Ken Kandeepan <ken.kandeepan@ofina.on.ca>
To: "Veinot, Cindy (TBS)" <cindy.veinot@ontario.ca>, "Petsche, Nadine (TBS)" <nadine.petsche@ontario.ca>
Date: Thu, 23 Feb 2017 17:17:12 -0500

Hi Cindy and Nadine

I don't understand this, if either of you do appreciate an explanation, otherwise a discussion with OPG may be in order. How does the Trust generate revenues??

Thanks

Ken

From: LEE John -TREASURY [mailto:john.s.lee@opg.com]
Sent: Thursday, February 23, 2017 4:56 PM
To: Ken Kandeepan <Ken.Kandeepan@ofina.on.ca>
Cc: 'Veinot, Cindy (TBS)' <Cindy.Veinot@ontario.ca>; Christina Zhang <Christina.Zhang@ofina.on.ca>; MAUTI John -FIN & C CTRL <john.mauti@opg.com>; LIU Sheen -TREASURY <sheen.liu@opg.com>; RYFA Ken -TREASURY <ken.ryfa@opg.com>; CHENG Alec -FIN & C CTRL <alec.cheng@opg.com>
Subject: RE: EXTERNAL - FW: Good question re: the capitalized interest -- you've got me thinking now....

Ken:

Please find the response below:

1. To clarify the underlying structure: the interest on debts are to be paid and there will be periods of interest only payment to debt holders before cumulative deferred amount is to be collective from customers (the GA deferral amount on customer bills is to grow to offset the interest expense/payment). Illustration below

Customer Bill

\$	Current	New Bill-Yr 1	New Bill-Yr 2
Other	30	30	30
GA	150	150	150
GA Deferral		-50	-52.5
Interest			2.5
Total	180	130	130

***assume \$50 GA to be deferred**

Interest expense 5%*50=\$2.5

2. Assume Deferred GA amount is \$2B for Yr 1 and interest rate is 5%, on a consolidated basis incremental asset is \$2B while incremental debt is \$2B* 56% (the sum of 51% senior debt and 5% OPG financing from capital markets). Revenue generated for Yr 1 is 2B*5% while interest expense is 2B*56%*5%, leaving net income positive. The same logic applies going forward

Hopefully this simplified example clarifies the approach .

John

From: Ken Kandeepan [<mailto:Ken.Kandeepan@ofina.on.ca>]
Sent: Thursday, February 23, 2017 3:21 PM
To: LEE John -TREASURY
Cc: 'Veinot, Cindy (TBS)'; Christina Zhang; MAUTI John -FIN & C CTRL; LIU Sheen -TREASURY; RYFA Ken -TREASURY
Subject: RE: EXTERNAL - FW: Good question re: the capitalized interest -- you've got me thinking now....

Thanks John

From: LEE John -TREASURY [<mailto:john.s.lee@opg.com>]
Sent: Thursday, February 23, 2017 3:09 PM
To: Ken Kandeepan <Ken.Kandeepan@ofina.on.ca>
Cc: 'Veinot, Cindy (TBS)' <Cindy.Veinot@ontario.ca>; Christina Zhang <Christina.Zhang@ofina.on.ca>; MAUTI John -FIN & C CTRL <john.mauti@opg.com>; LIU Sheen -TREASURY <sheen.liu@opg.com>; RYFA Ken -TREASURY <ken.ryfa@opg.com>
Subject: RE: EXTERNAL - FW: Good question re: the capitalized interest -- you've got me thinking now....

Ken:

We will review and provide a response to your questions.

John

From: Ken Kandeepan [<mailto:Ken.Kandeepan@ofina.on.ca>]
Sent: Thursday, February 23, 2017 2:37 PM
To: LEE John -TREASURY
Cc: 'Veinot, Cindy (TBS)'; Christina Zhang
Subject: EXTERNAL – FW: Good question re: the capitalized interest -- you've got me thinking now....

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Hi John

I reviewed OPG's submission and Gadi suggested that I forward my comments to you. Happy to discuss.

Thanks

Ken k

Slides 9 and 16 provide the most amount of details re the basis of the accounting. Slide 16 mentions that OPG's net income and EBITDA will improve providing the required offset to the increase in the Province's IOD from incurring additional debt to fund the 44% equity injection. No details are provided as to how OPG's net income will increase giving rise to the following comments.

- The SPV/Trust is required to pay interest on both the senior debt and the sub debt to respectively the capital markets and OPG. Given that the SPV/Trust has no revenues from implementation to 2029, the only available option is to credit the outstanding liability each year by the annual interest costs instead of paying same. How willing is the market to provide debt funding, even if it is senior debt, when interest payments will only commence in 2030. And if market debt funding is indeed available what is the premium charged to compensate for accumulating the interest instead of making payments.

- Alternatively, the SPV/Trust can use the cash inflow from OPG (the sub debt) to pay interest on the senior debt. That option is not possible mathematically unless the OPG funding exceeds 44% for total SPV/Trust funding of over 100%.
- Assuming all of this works, OPG's net income will in my opinion, be impacted since upon consolidating the Trust, OPG's interest income from the SPV/Trust will be more than offset by the SPV/Trust interest expenses. The SPV/Trust incurs interest on both the senior and the sub debt, OPG's net income will actually reduce by the amount of the interest the Trust incurs on the senior debt unless there are offsetting increases in OPG's revenues. As such I am confused as to how the Province can offset the increase in its IOD from the debt incurred to fund the equity injection. On a cash basis the Province will also be out, unless OPG increases dividends.
- There is also limited opportunity for OPG to generate additional revenues and net income based on the cash flow from the Province's equity injection. The funds will be promptly lent to the SPV/Trust to purchase the regulatory asset from the IESO and hence not be available for use by OPG to generate a return.
- It would be useful if OPG furthers fleshes out the above, including income and cash flow projections for the SPV/Trust

This message, including any attachments, is meant only for the use of the individual(s) to whom it is intended and may contain information that is privileged/confidential. Any unauthorized use, copying or disclosure is strictly prohibited. If you are not the intended recipient or have received this message in error, please notify us immediately by reply e-mail and permanently delete this message, including any attachments, without reading them, and destroy all copies. Thank you.

THIS MESSAGE IS ONLY INTENDED FOR THE USE OF THE INTENDED RECIPIENT(S) AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, PROPRIETARY AND/OR CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying, conversion to hard copy or other use of this communication is strictly prohibited. If you are not the intended recipient and have received this message in error, please notify me by return e-mail and delete this message from your system. Ontario Power Generation Inc.

THIS MESSAGE IS ONLY INTENDED FOR THE USE OF THE INTENDED RECIPIENT(S) AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, PROPRIETARY AND/OR CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying, conversion to hard copy or other use of this communication is strictly prohibited. If you are not the intended recipient and have received this message in error, please notify me by return e-mail and delete this message from your system. Ontario Power Generation Inc.