

Message

From: Jordan Penic [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7D23BCD450594583BB40B447B35485DA-JORDAN PENI]
Sent: 2017-04-06 5:24:18 PM
To: Chuck Farmer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=aa83ad66edf341b4a48c3f852b674355-Chuck Farmer]
Subject: Fw: Notes from Demand + Supply LTEP Themes briefing
Attachments: ENERGY's 2017 Long-Term Energy Plan Modelling Assumptions 20170406 CLEAN....docx

From: Bashir Bhana <Bashir.Bhana@ieso.ca>
Sent: Thursday, April 6, 2017 4:23 PM
To: Katherine Sparkes; Jessica Savage; Darryl Yahoda; Jeannette Briggs; Tam Wagner; Lia Kasic; Reena Goyal
Cc: Jordan Penic; Glenna Ford; Anthy Lovachis; Andrew Dow
Subject: RE: Notes from Demand + Supply LTEP Themes briefing

Folks – attached is a copy of the updated LTEP assumptions document shared with the Ministry this morning.

Cheers,
Bashir

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From: Bashir Bhana
Sent: March 10, 2017 2:24 PM
To: Anthy Lovachis; Jeannette Briggs; Lia Kasic; Katherine Sparkes; Jessica Savage; Darryl Yahoda; Tam Wagner; Reena Goyal
Cc: Jordan Penic; Glenna Ford; Andrew Dow; Chuck Farmer
Subject: RE: Notes from Demand + Supply LTEP Themes briefing

Update: we met Ministry staff Wednesday to discuss LTEP demand/supply assumptions.

We were able to gain better clarity on the thinking below. Attached is a summary of the discussion – outlining the assumptions that will serve as the basis for developing the LTEP reference and sensitivity cases and the scenarios the IESO will be assessing.

We have shared this document with Ministry staff to confirm our understanding. We will begin undertaking analyses once these assumptions/scenarios are finalized.

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From: Anthy Lovachis
Sent: March 07, 2017 5:28 PM
To: Bashir Bhana; Jeannette Briggs; Lia Kasic; Katherine Sparkes; Jessica Savage; Darryl Yahoda; Tam Wagner; Reena Goyal
Cc: Jordan Penic; Glenna Ford; Andrew Dow; Chuck Farmer
Subject: RE: Notes from Demand + Supply LTEP Themes briefing

The 2-4 week timeline was provided by IESO once all of the assumptions are locked in. No hard deadline was provided, but it was obvious that they'd like this to be shared as soon as possible. One thing to keep in mind as we go through this, as noted in previous WG meetings, is that we have the ability to push back on timelines if necessary. It's better to ensure that we are providing an accurate response, rather than a rushed one.

From: Bashir Bhana
Sent: March 07, 2017 5:21 PM
To: Anthy Lovachis; Jeannette Briggs; Lia Kasic; Katherine Sparkes; Jessica Savage; Darryl Yahoda; Tam Wagner; Reena Goyal
Cc: Jordan Penic; Glenna Ford; Andrew Dow; Chuck Farmer
Subject: Re: Notes from Demand + Supply LTEP Themes briefing

Thanks Anthy. Was the 4-week timeline suggested by the Ministry? That sounds optimistic given the number of outstanding issues/questions that need to be resolved before we undertake any analysis. I expect this timeline will evolve.

Planning is meeting with Ministry staff tomorrow morning to discuss demand/supply assumptions. Will keep the WG posted.

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From: Anthy Lovachis
Sent: Tuesday, March 7, 2017 4:50 PM
To: Jeannette Briggs; Lia Kasic; Katherine Sparkes; Jessica Savage; Darryl Yahoda; Bashir Bhana; Tam Wagner; Reena Goyal
Cc: Jordan Penic; Glenna Ford; Andrew Dow; Chuck Farmer
Subject: Notes from Demand + Supply LTEP Themes briefing

Hi everyone,

My notes from this morning are included below, including next steps. I will work to update the summary document, but let me know if you have any questions in the meantime.

- The overall timing for LTEP has shifted; ministry targeting cabinet approval in May, and the final document is now expected to be released in June. Ministry will attempt to provide cabinet with a high-level overview of all LTEP themes before May meeting.
- Ministry contemplated having a 10-year projection only, rather than a 20-year projection. Discussions on this are expected to continue; however, based on the conversation today, ministry will likely use a "single scenario" for the first ten-years of the forecast (until 2027), and provide a shaded range for the remaining ten-years. If a

range is used for demand, ministry acknowledged that a similar approach would have to be taken for pricing forecasts.

- IESO acknowledged preference for multiple forecasts, and not locking into one line.
- Ministry decided that the LTEP will not be fully aligned with the emissions targets outlined in the Climate Change Act; ministry acknowledged that emissions are mostly fuel-related, and prefers to remain silent on fuels/preference.
 - The DM's expressed his interest in factoring a high uptake in electric vehicles.
- On conservation, ministry expressed interest in increasing the long-term electricity savings target of 30 TWh in 2032, but noted that funding should not come out of CDM framework, and possibly through the Green Bank.
 - IESO reminded ministry that a higher conservation target is tied to higher levels of demand emerging in Outlooks C and D.
- With respect to a conservation target for natural gas and other fuels, ministry noted that they will not be committing to this.
 - Regarding how targets will consider CCAP initiatives, ministry noted that in order to truly be technology agnostic everyone will need to acknowledge that other fuels will be a part of the big picture, and that carbon pricing will help to correct the cost of certain fuels.
- On electricity transmission, it was decided that transmission scenarios will be determined only after the demand scenario has been established.
 - DM noted his preference to include a specific call-out on the Hawthorne-Merivale upgrade in Ottawa (connects with previous discussions on intertie/imports with Quebec).
- On Pickering closure, the LTEP will revert back to OPO analysis (4 units until 2022, and another two at the end of 2024).
- On fuel supply, ministry noted they will not be prescriptive in determining the fuel supply outlook – outlook will be tied to CCAP at a high level only.
- On emissions, ministry noted that they intend to highlight low-emissions on electricity side and will refrain from commenting on fuels; noting again that carbon pricing will help.
- With respect to pricing, further discussions are expected at a later date – MO only noted a desire to not include a specific price on home heating options.

As an immediate next step, ministry staff will be setting up a meeting with IESO (PSP) to discuss scenarios based on today's conversation. This meeting is expected to take place tomorrow. Once ministry has landed on their scenarios, IESO will be providing updated analysis to the ministry (as noted in an earlier email from Bashir – see attached). Updated analysis is expected within the next 4-weeks. In order to ensure that LTEP WG members has an opportunity to provide feedback into this process, I ask that Bashir help to loop everyone in as discussions progress over the coming weeks.

Thank you,
Anthy

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