

Message

**From:** David Barrett [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=EF6F3B035CEB494099260E6FA7603F36-DAVID BARRE]  
**Sent:** 2018-02-26 9:59:10 PM  
**To:** Joyce Poon [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3093c75378834fd195c6a07d2c0aded1-Joyce Poon]  
**Subject:** RE: Question from the ECO

Sorry, I wasn't able to address this with you earlier. I don't see his request among the requests that came my way, can we chat. Maybe I'm just being a dumb ass

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**From:** Joyce Poon  
**Sent:** February 26, 2018 3:14 PM  
**To:** Ho, Larissa (ENERGY)  
**Cc:** Chuck Farmer; David Barrett; Simon Zhang  
**Subject:** RE: Question from the ECO

Hi Larissa,

The response IESO already drafted to the ECO, regarding the question below is as follows:

| No.    | Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BU | SME   | Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Q6, Q8 | <p><u>The Ontario Planning Outlook, Module 7</u>, slides 13 and 14 indicate the cost assumptions for re-contracting of existing resources, and slides 31-33, 40, and 49 provide additional cost assumptions regarding contracting of new resources (31-33) and transmission (40, 49):</p> <ol style="list-style-type: none"> <li>What are the cost assumptions used for new and existing supply resources?</li> <li>Why is it assumed that contract renewal costs for wind and solar would be similar to LRP I, given that these facilities are already built and would not have large capital costs associated with life extension (slide 14)?</li> <li>Are the LTEP price outlooks for residential and industrial consumers (figures 5 and 6 of the LTEP)</li> </ol> |    | Joyce | <p>a. The existing cost assumptions for existing supply is based on the contract prices which are commercially confidential, and a regulated rate forecast from OPG for the regulated assets. OPO new resource cost assumptions are based on an estimated cost for the new generation resource as illustrated in Module 7, Slide 33.</p> <p>b. The wind and solar assumes most components reach end-of-life at contract expiry; as a result, the repowering of wind and solar are generally on par with building new. The LRP 1 Wind and Solar costs in OPO are projected to continue declining over the planning horizon due to cost declines. Therefore, the contract renewal price is lower than the original LRP 1 PPA but the time the existing contracts reach their contract end date.</p> <p>c. The 2017 LTEP price outlook for residential and industrial consumers are not based on the OPO Module 7 cost assumptions.</p> <p>The residential and industrial price outlook in the 2017 LTEP is based on LTEP cost assumptions and the impact of the Ontario Fair Hydro Plan (OFHP) that was developed by the Ministry of Energy.</p> <p>A list of cost assumption differences for the 2017 LTEP:</p> <ul style="list-style-type: none"> <li>- OPG regulated rates for nuclear and hydro are up-dated by OPG (Nuclear rates were based</li> </ul> |

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|  | <p>based on the resource cost assumptions noted in slides 31-33, 40, and 49 of Ontario Planning Outlook, Module 7? If there are any differences, please indicate.</p> |  | <p>on the EB-2016-0152 OEB filing, with updated hydro rates that correspond to the updated nuclear forecast)</p> <ul style="list-style-type: none"> <li>- Transmission updated to EB-2016-0160 filing and 2016 uniform transmission rates</li> <li>- Wholesale Market Service Charges updated with Fair Hydro Plan policy by shifting a portion of wholesale market service costs associated with Rural/Remote rates into the tax base, plus all of the Ontario Electricity Support Payment (OESP) into the tax base.</li> <li>- Natural gas forecast is updated to Sproule Feb 2017 projection for Dawn</li> <li>- Repowered natural gas is an average of all the original contract price components per type of gas plant, with 20% of the capital portion assumed.</li> <li>- Thunder Bay Bio Conversion and Atikokan Bio Conversion are not assumed to be repowered at the original contract costs. The capacity requirement from these facilities is costed consistently with all other new capacity requirements of a SCGT facility.</li> <li>- Repower wind assumes 85% of LRP 1 Wind PPA, with no decline of the wind price over the planning period.</li> <li>- Repower large solar assumes 60% of LRP 1 rates, with a 2% on-going decline in planning period to the real price.</li> <li>- Expired MicroFit solar contracts assumes net metering rates.</li> </ul> |
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Cheers,

**Joyce Poon** | Senior Planner

Independent Electricity System Operator (IESO) | T: (416) 969-6024 | C: (416) 294-4942 | E: [joyce.poon@ieso.ca](mailto:joyce.poon@ieso.ca)  
 1600 - 120 Adelaide Street West, Toronto, Ontario, M5H 1T1  
 Web: [www.ieso.ca](http://www.ieso.ca) | Twitter: [IESO\\_Tweets](https://twitter.com/IESO_Tweets) | LinkedIn: [IESO](https://www.linkedin.com/company/ieso)  
 Conservation: [www.saveONenergy.ca](http://www.saveONenergy.ca) | Twitter: [saveONenergyOnt](https://twitter.com/saveONenergyOnt) | LinkedIn: [saveONenergy](https://www.linkedin.com/company/saveONenergy)

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**From:** Ho, Larissa (ENERGY) [<mailto:Larissa.Ho@ontario.ca>]  
**Sent:** February 23, 2018 1:46 PM  
**To:** Joyce Poon  
**Subject:** RE: Question from the ECO

Thanks, Joyce. Glad to hear the ECO also reached out directly to the IESO. Hope you feel better soon.

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**From:** Joyce Poon [<mailto:Joyce.Poon@ieso.ca>]  
**Sent:** Friday, February 23, 2018 1:23 PM  
**To:** Ho, Larissa (ENERGY)  
**Subject:** Re: Question from the ECO

I am off sick today. In any regard, I actually already gave this response to Government relations group at the IESO I will follow up with them if it didn't make it to ECO. But regardless I can make sure you guys get what I already drafted in response to this question when i'll back next week.

Sent from my iPhone

On Feb 23, 2018, at 12:28 PM, Ho, Larissa (ENERGY) <[Larissa.Ho@ontario.ca](mailto:Larissa.Ho@ontario.ca)> wrote:

Hi Joyce,

I am reaching out with a request for data. This stems from the following question we received from the ECO:

"The Ontario Planning Outlook, Module 7, slides 13 and 14 indicate the cost assumptions for re-contracting of existing resources, and slides 31-33, 40, and 49 provide additional cost assumptions regarding contracting of new resources (31-33) and transmission (40, 49). Do the LTEP price outlooks for residential and industrial consumers (figures 5 and 6 of the LTEP) use the same set of resource cost assumptions? If there are any differences, please indicate."

May you assist in providing a response to this request that we can then pass along by next Wednesday? As an aside, the publication date for the LTEP modules remains unclear.

Thanks for your help,

Larissa Ho  
Senior Policy Advisor, Ministry of Energy  
416-325-6858

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