

FW: Foreward to Achievable Potential Study Addendum 1

From: David Barrett <david.barrett@ieso.ca>
To: "Schlaepfer, Martin (ENERGY)" <martin.schlaepfer@ontario.ca>
Date: Mon, 12 Feb 2018 08:22:25 -0500
Attachments: MAP Foreword to Addendum 1 01-15-2018 v15.pdf (537.49 kB)

Hi Martin, do you have a status on this?

From: Qureshi, Musab (ENERGY) [<mailto:Musab.Qureshi@ontario.ca>]
Sent: January 16, 2018 9:16 AM
To: David Barrett
Cc: Schwab-Pflug, Emma (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis; Syed, Usman (ENERGY)
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Thanks David. We will do a quick check in with our Deputy Minister's Office and get back to you.

Thanks,
Musab

From: David Barrett [<mailto:david.barrett@ieso.ca>]
Sent: January-16-18 6:46 AM
To: Qureshi, Musab (ENERGY)
Cc: Schwab-Pflug, Emma (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis; Syed, Usman (ENERGY)
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Musab, here's an updated foreward. Consider this the final draft.
Thanks,
David

From: Qureshi, Musab (ENERGY) [<mailto:Musab.Qureshi@ontario.ca>]
Sent: January 02, 2018 9:36 AM
To: David Barrett
Cc: Schwab-Pflug, Emma (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis; Syed, Usman (ENERGY)
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Hi David,

Hope you had a restful holidays.

Just wanted to get an eta on when you expect to share the final version of the APS foreword with us?
Would it be possible to share the final version before the end of the week?

Thanks,

Musab

From: David Barrett [<mailto:david.barrett@ieso.ca>]
Sent: December-19-17 3:48 PM
To: Qureshi, Musab (ENERGY)
Cc: Schwab-Pflug, Emma (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis; Syed, Usman (ENERGY)
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Musab, we won't be sharing the foreword today – most likely in the new year. If we can share it earlier, it will be.

Thanks,
David

From: Qureshi, Musab (ENERGY) [<mailto:Musab.Qureshi@ontario.ca>]
Sent: December 19, 2017 9:34 AM
To: David Barrett
Cc: Schwab-Pflug, Emma (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis; Syed, Usman (ENERGY)
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Hi David,

We were wondering if it's possible to share with us the final versions of the Foreword and the Addendum today.

We can then quickly share with our Deputy Minister's Office and have this all wrapped up before the holidays.

Thanks,
Musab

Musab Qureshi | Senior Policy Advisor
Energy Conservation Policy
Ontario Ministry of Energy
Tel.: 416-212-4283

From: Syed, Usman (ENERGY)
Sent: December-15-17 12:10 PM
To: David Barrett (david.barrett@ieso.ca)
Cc: Schwab-Pflug, Emma (ENERGY); Qureshi, Musab (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Hi David,

Thanks for the edits, they look great.

We have one final comment. Could the IESO make the following edit to the footnote on page 4
The planning outlook assumes under the cap and trade program, the carbon price ranges from \$18/tonne in 2017 to \$40/tonne by 2035, averaging \$30/tonne throughout the planning period. Further information can be found in LTEP Module X <add link>.

Our recommendation is that the addendum be released prior to the release of the modules. Hence it would not be appropriate for the Foreword to reference a document that hasn't yet been published.

Once the above change has been made, could the IESO share with us final versions of the Foreword and the Addendum that you intend to publish. We'd like to do a final check in with our Deputy Minister's Office before the documents are released, thanks...

- Usman

From: David Barrett [<mailto:david.barrett@ieso.ca>]
Sent: December-15-17 8:00 AM
To: Schwab-Pflug, Emma (ENERGY)
Cc: Syed, Usman (ENERGY); Qureshi, Musab (ENERGY); Edwards, Matthew (ENERGY); Anthy Lovachis
Subject: RE: Foreward to Achievable Potential Study Addendum 1

Hi Emma, I've attached the updated foreward, FYI. Comments back in order of yours:

- This was clarified, thanks
- Added the item in red with an increment of \$9.5B
- Thanks, changes were made to restructure this
- Clarified this as an average over the planning period. We recommend including the carbon price outlook in the LTEP modules and the foreword can then refer to the module. The revised module shortly will be sent over shortly.
- Thanks, this was clarified as a maximum value.

David

From: Schwab-Pflug, Emma (ENERGY) [<mailto:Emma.Schwab-Pflug@ontario.ca>]

Sent: December 07, 2017 4:12 PM

To: David Barrett

Cc: Syed, Usman (ENERGY); Qureshi, Musab (ENERGY); Glenna Ford; Edwards, Matthew (ENERGY)

Subject: FW: Foreward to Achievable Potential Study Addendum 1

Hi David, please find below our feedback on the foreword to the APS addendum. We understand IESO is looking to post this before the LTEP modules are released. We'd be happy to discuss.

Thank you,
Emma

ENERGY Feedback on Foreword to APS Addendum

- Given that the publication date for the Foreword is after LTEP 2017, it will be important to clarify whether the analysis in the Foreword incorporates 2017 LTEP supply and demand assumptions. It is also important to clarify that the impact of the Ontario Fair Hydro plan is not considered in the analysis, and to explain why. Suggest these details be added upfront to the Background section.
- Suggested edit to page 1 (in red): "The MAP identified that 29 TWh of cost-effective achievable conservation potential are available by 2035 at a cost of approximately \$15 billion. This represents an incremental potential of 11.2 TWh **and an incremental budget of \$14.5 billion** relative to the Budget-Constrained Achievable Potential."
- Page 3: "A variety of electricity resources could help meet needs under each outlook. Higher levels of conservation savings would tend to reduce the need for such resources."
 - The reading flow is a bit awkward here since by design the MAP outlook considers higher conservation savings. Is there a better way to structure this?
- Page 4: "The average cost of this incremental GHG reduction ranges from \$100 to \$200/tonne, compared to the economic value of cap and trade of about \$30/tonne throughout the planning period."
 - Could we add a footnote to this indicating that \$30/tonne is an average for the planning period. [Please](#) also include the source for this estimate.
 - For comparison purposes, suggest also referencing the cost per tonne estimates included in the [Climate Change Action Plan](#)
- Page 4: "As the incremental conservation in the MAP Outlook begins to ramp up in 2021 after the current CFF ends, the incremental cost of the MAP would exceed the avoided cost of supply resources between 2021 and 2030, leading to an average \$600 million per year increase in the

total cost of electricity service during this period.”

- This statement is misleading. Our understanding is that \$600 million is a maximum per year amount rather than an average amount between 2021 and 2030 (May 24 IESO deck, slide 3). Please correct – we had seen \$100-\$200 million in the May deck.

From: Glenna Ford [<mailto:Glenna.Ford@ieso.ca>]
Sent: December-01-17 3:23 PM
To: Schwab-Pflug, Emma (ENERGY)
Cc: matthew.edward@ontario.ca; David Barrett
Subject: FW: Foreward to Achievable Potential Study Addendum 1

Emma:

Do you know if the ministry will be providing feedback on this document today?

Thank you.

Glenna

From: Glenna Ford
Sent: November 27, 2017 11:59 AM
To: emma.schwab-pflug@ontario.ca; 'usman.syed@ontario.ca'; 'kaili.sermat-harding@ontario.ca'
Cc: 'matthew.edwards@ontario.ca'; David Barrett
Subject: Foreward to Achievable Potential Study Addendum 1

All:

Please find attached a draft of the foreword that is to accompany the 2016 IESO Market Achievable Potential (MAP) study to be posted on the IESO website. The purpose of the forward is to provide context for the addendum and to summarize the IESO's assessment of the merits of increasing the conservation targets at this time. The assessment indicates that a need does not exist today to increase conservation targets; however, we should continue to look for opportunities to maximize the value conservation resources provide.

We would ask that you provide your feedback on this document by EOD Friday, December 1.

Many thanks.

Glenna

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