

RE: Today

From: "Whittington, Matt (ENERGY)" </o=govon/ou=exchange administrative group (fydibohf23spdlt)/cn=recipients/cn=whittington, matt (energy)cce">
To: "Armstrong, Hillary (ENERGY)" <hillary.armstrong@ontario.ca>
Cc: "Schlaepfer, Martin (ENERGY)" <martin.schlaepfer@ontario.ca>
Date: Mon, 11 Sep 2017 19:58:02 -0400

Renewable energy is pg 26
Wind and solar is pg 27

From: Armstrong, Hillary (ENERGY)
Sent: September-11-17 7:55 PM
To: Whittington, Matt (ENERGY)
Cc: Schlaepfer, Martin (ENERGY)
Subject: RE: Today

Ok that's helpful, thanks Matt. We'll try to find the sentences in the document and identify what the changes are.

Hillary

From: Whittington, Matt (ENERGY)
Sent: September-11-17 7:50 PM
To: Armstrong, Hillary (ENERGY)
Cc: Schlaepfer, Martin (ENERGY)
Subject: RE: Today

Hi

I think it is edited or re-phrased language from content in the document, but they haven't provided page numbers unfortunately. For market renewal, the highlighted text is the new text and non-highlighted is existing.

I'm not sure if these are from Bevan or not but this sounded like the final batch of edits we would be getting.

Thanks,
Matt

From: Armstrong, Hillary (ENERGY)
Sent: September-11-17 7:42 PM
To: Whittington, Matt (ENERGY)
Cc: Schlaepfer, Martin (ENERGY)
Subject: RE: Today

Hi Matt,

The below is a little confusing. Is the content in quotation marks new content PO wants to have added to the document? If it is, is there a particular place they want to see it?

For market renewal, is just the highlighted text new?

I'm assuming these are further edits from Gillian/Phil, and not Andrew Bevan edits, right? If that's

the case, have we heard anything further from Andrew Bevan? I think Andrew had followed up, so assume nothing yet, but thought I'd check.

Thanks,
Hillary

From: Whittington, Matt (ENERGY)
Sent: September-11-17 7:29 PM
To: Armstrong, Hillary (ENERGY)
Cc: Schlaepfer, Martin (ENERGY)
Subject: FW: Today

Hi Hillary

Hate to do this to you and the team but I have just received some further edits. Understand if they can't be included in time for the Minister's briefing tomorrow. Perhaps they can be made into an addendum that we could walk him through tomorrow afternoon? Anyways – there are not very many so hopefully they can be incorporated without too much difficulty.

Thanks
Matt

On Renewable Energy

“As part of the IESO's ongoing work to find efficiencies and the best value for the ratepayer, the IESO can maximize the existing fleet of renewable assets by adapting contracts to take advantage of uprate technologies, where cost savings can be demonstrated.”

On Wind and Solar

“In many cases, new or more efficient hardware and software uprate technologies can be added to upgrade the province's wind and solar energy facilities so they can continue operating, increase their output, and provide additional system benefits.”

On Market Renewal – need to shift language on ICA's. needs to be an option for procurement – but not the only option for new supply. suggested text:

“ To meet our long-term needs, the Independent Electricity System Operator (IESO) has begun a Market Renewal initiative to redesign the province's electricity markets. This undertaking is expected to save up to \$5.2 billion between 2021 and 2030 [\[1\]](#) and forms a key component of Ontario's plan to bring down the cost of electricity. The Market Renewal initiative consists of three work streams: energy, operability, and capacity. The IESO will continue its work on the design of mechanisms under these initiatives, in order to maximize the benefits to the system and ultimately fulfil IESO's mandate of ensuring reliability and affordability. When new supply needs are identified, the IESO would use competitive mechanisms to procure new supply resources. An example of a market-based mechanism that could be used in an incremental capacity auction. Upgrades and expansions to existing generators, demand response providers, and importers and emerging new technologies could all participate in the auction, with the most cost-effective resources winning out. The incremental capacity auction would incorporate services that provide flexibility, reliability and ancillary system benefits into its design to help ensure that all resources can compete on a level playing field.”

On Net-Metering

- can we be more specific about VNM timelines and pilots?

On Storage

- "Energy storage facilities can provide a wide range of services needed to reliably operate the power system in Ontario including: regulation, voltage control, operating reserve, and flexibility. The IESO should to ensure that storage technologies can compete in procurements for these services"

From: "McEachern, Gillian (OPO)" <Gillian.McEachern@ontario.ca>
Sent: Sep 9, 2017 10:25 AM
To: "Whittington, Matt (ENERGY)" <Matt.Whittington@ontario.ca>; "Donelson, Philip (OPO)" <Philip.Donelson@ontario.ca>
Subject: RE: Today
Cc: "Tresise, Landon (ENERGY)" <Landon.Tresise@ontario.ca>

Hi all,

Here are my comments. Some will need political discussion, not just for ministry. There are a couple that Phil can add more detail to.

Thanks,
Gillian

Executive Summary – the bullets are fairly technical. Will there be a plain language edit?

Capacity auction – Need to make language consistent throughout document re: low carbon; Phil will speak to you about this

Chapter 1:

p. 12 – Affordability Fund – Need to explain that this is on top of all other existing conservation programs to help people save money, otherwise it sounds it's all we're doing

p.14 – first para – Are we sure enough that we can do something on this to create that expectation in the document?

Chapter 2:

p.18 – The market renewal section is not very clear what we're saying re: climate and environmental attributes because it comes up in a few different ways. Need a consistent statement. Phil will feed more into this.

p.23 – change "Consumers pay the carbon cost...." to "the price of fossil fuels such as natural gas, gasoline, diesel and propane will include a carbon cost as a result of the cap and trade program"; also add sentence about why we're doing cap and trade – most cost-effective way to reduce emissions (we have lots of previous language on this – ask PO comms)

p.23 – Need to include sentence on money from carbon market all being reinvested in programs to help people and businesses reduce GHGs and save money

p.24 – Natural Gas – Need to tone this section down a bit to not create assumption that status quo will continue on natural gas given we need to target QC or other options to decrease it

p.27 – Suggest scaling back the refurb section because there's lots of unnecessary stuff in it and it's unbalanced with every other supply type ie why is it LTP's role to talk about what Bruce Power is doing with local community? We don't do that for any other companies.

Will storage be upset about not being mentioned as a supply source?

P.35 – Can we mention Oxford County specifically regarding virtual net metering or providing a text box on what they're trying to do?

p.36 – last para on storage – isn't this what we also said in 2013? Can we just do it this fall instead of making another commitment? They won't take it seriously.

p.59 – DR section does not yet reflect conversation with Atel; Phil will provide more detail

HERD – need to reference that this is still being worked on in conservation chapter

p.69 – Need to be more explicit that we will look for ways to hold emissions flat or decrease, as discussed, using QC or other options, so that we aim for the lower end of the wedge not higher end

Gillian McEachern
Executive Director of Policy
Office of the Premier of Ontario
416.325.7038

From: Whittington, Matt (ENERGY)
Sent: Friday, September 08, 2017 5:55 PM
To: Donelson, Philip (OPO); McEachern, Gillian (OPO)
Cc: Tresise, Landon (ENERGY)
Subject: Re: Today

Hey - do you think you'll be able to send over any edits today? Ministry folks were hoping to work on them over the weekend.

Copying Landon who is managing edits/review/production of the document.

Thanks
Matt

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Donelson, Philip (OPO)
Sent: Friday, September 8, 2017 8:58 AM
To: Whittington, Matt (ENERGY); McEachern, Gillian (OPO)
Subject: RE: Today

Yes it's being cancelled. Thanks Matt, see you soon

From: Whittington, Matt (ENERGY)
Sent: September-08-17 8:58 AM
To: McEachern, Gillian (OPO); Donelson, Philip (OPO)
Subject: Re: Today

I've told my folks to expect a cancellation.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Whittington, Matt (ENERGY)
Sent: Friday, September 8, 2017 8:31 AM
To: McEachern, Gillian (OPO); Donelson, Philip (OPO)
Subject: Re: Today

Ok. Understood on the comments. Will CO be cancelling the invite?

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: McEachern, Gillian (OPO)
Sent: Friday, September 8, 2017 6:53 AM
To: Whittington, Matt (ENERGY); Donelson, Philip (OPO)
Subject: Today

Hi Matt,

We will not have Andrew's comments by today. I suggest we do a meeting with just the 3 of us at 9:30 instead of officials to walk through a couple of items (not with officials), and then we'll consolidate more finicky comments for early next week to include Bevan's.

I know you guys are on tight timelines, but until we have Andrew's feedback we'll need to hold.

Gillian

Gillian McEachern
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[\[1\]](#) Brattle Group, prepared for the IESO, A Benefits Case Assessment of the Market Renewal Project (2017)