

**Cuddy, Andrew EMPR:EX**

---

**From:** Sanderson, Melissa EMPR:EX  
**Sent:** July 18, 2019 12:41 PM  
**To:** Hume, Claire LASS:EX  
**Cc:** Hop Wo, Hilary GCPE:EX  
**Subject:** IB\_Phase 2\_BCH Review\_Jul18\_1145am\_2019.docx  
**Attachments:** IB\_Phase 2\_BCH Review\_Jul18\_1145am\_2019.docx; ATT00001.txt

Hi Claire - please let me know if you have any questions.

---

## INFORMATION BULLETIN

Ministry of Energy, Mines and Petroleum  
Resources

[release number]

[Date]

### **Next phase of BC Hydro review focuses on climate goals and new opportunities**

VICTORIA – To ensure BC Hydro is working for British Columbians, government is launching phase two of the BC Hydro review, focussing on CleanBC electrification targets, new technologies, new roles for Indigenous Nations and examining future market opportunities.

Phase 2 of the BC Hydro Review will leverage BC Hydro's strengths and focus on:

- BC Hydro's role in supporting CleanBC and meeting the province's legislated 2030, 2040 and 2050 greenhouse gas reduction targets;
- future opportunities or new roles for Indigenous Nations and for communities in the energy sector;
- integrating new technologies and electricity market trends into BC Hydro's structure, services and assets while keeping rates affordable; and
- new opportunities for BC Hydro to expand its business in markets outside B.C. to the benefit of ratepayers.

The Ministry of Energy, Mines and Petroleum Resources will work with energy industry experts with extensive experience in North American utility operation, regulation and electricity markets, BC Hydro and the Ministry of Environment and Climate Change Strategy to produce an interim report before the end of the year.

Indigenous Nations and organizations, and stakeholders will have the opportunity to provide feedback on the interim report.

A final report with recommendations will be completed in early 2020.

CleanBC is a pathway to a more prosperous, balanced and sustainable future. CleanBC was developed in collaboration with the BC Green Party caucus and supports the commitment in the Confidence and Supply Agreement to implement climate action to meet B.C.'s emission targets.

### **Quick Facts:**

- About 98% of BC Hydro's electricity generation comes from clean and renewable resources.
- In December 2018 government released its CleanBC plan.
  - To achieve greenhouse gas reduction targets the plan calls for increasing the use of B.C.'s renewable hydroelectricity and shifting away from a reliance on fossil fuels for transportation, industry and buildings.
- In February 2019 government announced the results of Phase 1 of the BC Hydro review,

including:

- A new rates forecast that, subject to final approval from the B.C. Utilities Commission (BCUC), will limit bill increases to 1.8% in 2019 and 0.7% in 2020, and keep cumulative increases 20% below the forecast rate of B.C. inflation for the next five years.
- Regulatory and legislative changes to enhance the BCUC's power to make decisions on rate increases, deferral accounts and capital projects, as well as other decisions that affect British Columbians.
- Phase 2 of the BC Hydro review will support BC Hydro's development of its Integrated Resource Plan (IRP) to be filed with the BCUC in early 2021. The IRP outlines how BC Hydro plans to safely provide reliable, affordable, clean electricity to meet customers' needs, now and into the future.

**Learn More:**

To view the terms of reference for Phase 2 of the BC Hydro Review, visit:

<https://www2.gov.bc.ca/gov/content/industry/electricity-alternative-energy/electricity/bc-hydro-review>

Contact:

Kent Karemaker

Media Relations

Ministry of Energy, Mines and Petroleum Resources

250 952-0628

**Cuddy, Andrew EMPR:EX**

---

**From:** Sanderson, Melissa EMPR:EX  
**Sent:** July 18, 2019 12:35 PM  
**To:** Hume, Claire LASS:EX  
**Subject:** BCH Phase 2 IB

Hi Claire - we are putting out an IB tomorrow about Phase 2. It's pretty basic but I am just waiting for the final copy and will send to you.

I'm travelling but happy to touch base later this afternoon.

Sent from my iPhone



## EMPR FOI EMPR:EX

---

**Subject:** BC Hydro phase 2 review

**Location:** s.15

**Start:** Wed 2019-04-24 11:15 AM

**End:** Wed 2019-04-24 12:00 PM

**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** Sanford, Donna L GCPE:EX

**Required Attendees** Copage, Caitlin GCPE:EX; Sanderson, Melissa EMPR:EX; Cuddy, Andrew EMPR:EX; Hume, Claire LASS:EX; Pivnick, Evan V LASS:EX

## EMPR FOI EMPR:EX

---

**From:** MacLaren, Les EMPR:EX  
**Sent:** April 24, 2019 7:03 AM  
**To:** Sanderson, Melissa EMPR:EX; Cuddy, Andrew EMPR:EX  
**Subject:** FW: Meeting request: BC Hydro phase 2

Should we have a call this morning to discuss our approach for this meeting? I am open 8:30-9:00 and 9:15-10:00.

Les

---

**From:** Sanford, Donna L GCPE:EX  
**Sent:** Tuesday, April 23, 2019 1:43 PM  
**To:** Pivnick, Evan V LASS:EX <Evan.Pivnick@leg.bc.ca>; Hume, Claire LASS:EX <Claire.Hume@leg.bc.ca>; Sanderson, Melissa EMPR:EX <Melissa.Sanderson@gov.bc.ca>; Janes, Darci EMPR:EX <Darci.Janes@gov.bc.ca>; Cuddy, Andrew EMPR:EX <Andrew.Cuddy@gov.bc.ca>  
**Cc:** Copage, Caitlin GCPE:EX <Caitlin.Copage@gov.bc.ca>; MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
**Subject:** Meeting request: BC Hydro phase 2

Hello Evan and Claire. This is to request a meeting on BC Hydro phase 2 review terms of reference, as follows:

Timing:

- Wed. April 24
- 45 minutes (EMPR is available between 11:15 – 1:45 or after 3:30; please let me know which time slot can work for you)

Attendees:

- Evan Pivnick & Claire Hume, Green Caucus
- ADM Les MacLaren; MAs Melissa Sanderson and Andrew Cuddy, EMPR
- Donna Sanford and/or Caitlin Copage, CASA Secretariat

Location:

- Evan and Claire: can room **S.1** be available?

Let me know if you have any questions or if I can assist.

Thanks,  
Donna

Donna Sanford  
Executive Director  
Confidence and Supply Agreement Secretariat  
[Donna.Sanford@gov.bc.ca](mailto:Donna.Sanford@gov.bc.ca)  
250-893-4771

## EMPR FOI EMPR:EX

---

**From:** Sanford, Donna L GCPE:EX  
**Sent:** April 23, 2019 2:33 PM  
**To:** Pivnick, Evan V LASS:EX; Hume, Claire LASS:EX; Sanderson, Melissa EMPR:EX; Janes, Darci EMPR:EX; Cuddy, Andrew EMPR:EX  
**Cc:** Copage, Caitlin GCPE:EX; MacLaren, Les EMPR:EX  
**Subject:** RE: Meeting request: BC Hydro phase 2

Hi everyone. Let's book 11:15 AM – 12:00 tomorrow, in room **s.15**

Thanks,  
Donna

---

**From:** Pivnick, Evan [mailto:Evan.Pivnick@leg.bc.ca]  
**Sent:** Tuesday, April 23, 2019 1:50 PM  
**To:** Hume, Claire LASS:EX; Sanford, Donna L GCPE:EX; Sanderson, Melissa EMPR:EX; Janes, Darci EMPR:EX; Cuddy, Andrew EMPR:EX  
**Cc:** Copage, Caitlin GCPE:EX; MacLaren, Les EMPR:EX  
**Subject:** RE: Meeting request: BC Hydro phase 2

Those times work for me as well.

Evan

---

**From:** Hume, Claire  
**Sent:** Tuesday, April 23, 2019 1:50 PM  
**To:** Sanford, Donna L GCPE:EX <Donna.Sanford@gov.bc.ca>; Pivnick, Evan <Evan.Pivnick@leg.bc.ca>; Sanderson, Melissa EMPR:EX <Melissa.Sanderson@gov.bc.ca>; Janes, Darci EMPR:EX <Darci.Janes@gov.bc.ca>; Cuddy, Andrew EMPR:EX <Andrew.Cuddy@gov.bc.ca>  
**Cc:** Copage, Caitlin GCPE:EX <Caitlin.Copage@gov.bc.ca>; MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
**Subject:** RE: Meeting request: BC Hydro phase 2

Thanks Donna, I can do anytime between 11:15 and 1:00pm.

---

**From:** Sanford, Donna L GCPE:EX [mailto:Donna.Sanford@gov.bc.ca]  
**Sent:** Tuesday, April 23, 2019 1:43 PM  
**To:** Pivnick, Evan <Evan.Pivnick@leg.bc.ca>; Hume, Claire <Claire.Hume@leg.bc.ca>; Sanderson, Melissa EMPR:EX <Melissa.Sanderson@gov.bc.ca>; Janes, Darci EMPR:EX <Darci.Janes@gov.bc.ca>; Cuddy, Andrew EMPR:EX <Andrew.Cuddy@gov.bc.ca>  
**Cc:** Copage, Caitlin GCPE:EX <Caitlin.Copage@gov.bc.ca>; MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
**Subject:** Meeting request: BC Hydro phase 2

Hello Evan and Claire. This is to request a meeting on BC Hydro phase 2 review terms of reference, as follows:

Timing:

- Wed. April 24

- 45 minutes (EMPR is available between 11:15 – 1:45 or after 3:30; please let me know which time slot can work for you)

Attendees:

- Evan Pivnick & Claire Hume, Green Caucus
- ADM Les MacLaren; MAs Melissa Sanderson and Andrew Cuddy, EMPR
- Donna Sanford and/or Caitlin Copage, CASA Secretariat

Location:

- Evan and Claire: can room **s.15** be available?

Let me know if you have any questions or if I can assist.

Thanks,  
Donna

Donna Sanford  
Executive Director  
Confidence and Supply Agreement Secretariat  
[Donna.Sanford@gov.bc.ca](mailto:Donna.Sanford@gov.bc.ca)  
250-893-4771

## Cuddy, Andrew EMPR:EX

---

**From:** Copage, Caitlin GCPE:EX  
**Sent:** April 5, 2019 12:42 PM  
**To:** Duncan, Kate EMPR:EX  
**Cc:** Sanderson, Melissa EMPR:EX  
**Subject:** RE: Meeting request: BC Hydro review phase 2

Hi Kate – just following up, I was a bit out of step with the latest on this and I think there's less urgency now to get this meeting in asap; Melissa can advise on what sort of timing makes the most sense.

Apologies for any confusion!

Best,

Caitlin Copage  
Senior Analyst, Policy and Consultation  
Confidence and Supply Agreement Secretariat  
[caitlin.copage@gov.bc.ca](mailto:caitlin.copage@gov.bc.ca)  
p. 778-677-6651

---

**From:** Copage, Caitlin GCPE:EX  
**Sent:** Friday, April 5, 2019 12:31 PM  
**To:** Duncan, Kate EMPR:EX; Sanford, Donna L GCPE:EX; Sanderson, Melissa EMPR:EX  
**Cc:** Pivnick, Evan V LASS:EX; Hume, Claire LASS:EX  
**Subject:** RE: Meeting request: BC Hydro review phase 2

Thanks Kate – unfortunately the morning does not work for the Green Caucus staff.

Could you please propose another date or dates that week that might work?

Best,

Caitlin Copage  
Senior Analyst, Policy and Consultation  
Confidence and Supply Agreement Secretariat  
[caitlin.copage@gov.bc.ca](mailto:caitlin.copage@gov.bc.ca)  
p. 778-677-6651

---

**From:** Duncan, Kate EMPR:EX  
**Sent:** Thursday, April 4, 2019 10:53 AM  
**To:** Sanford, Donna L GCPE:EX; Sanderson, Melissa EMPR:EX  
**Cc:** Copage, Caitlin GCPE:EX; Pivnick, Evan V LASS:EX; Hume, Claire LASS:EX  
**Subject:** RE: Meeting request: BC Hydro review phase 2

I do not believe that Monday afternoon will work. Monday morning between 10 and 12 could but not the afternoon.

Thanks

**Kate Duncan**

Administrative Coordinator to the Honourable Michelle Mungall  
Minister of Energy Mines and Petroleum Resources

T: 778-974-5975  
E: [kate.duncan@gov.bc.ca](mailto:kate.duncan@gov.bc.ca)

CONFIDENTIALITY NOTICE: The above message contains confidential information intended for a specified individual and purpose. The information is private and protected by law. Any copying or disclosure of this transmission by anyone other than the intended recipient is prohibited. If you are not the intended recipient, please notify the sender immediately and delete this message and any attachments from your system. Thank you.

---

**From:** Sanford, Donna L GCPE:EX  
**Sent:** April 4, 2019 10:52 AM  
**To:** Duncan, Kate EMPR:EX <[Kate.Duncan@gov.bc.ca](mailto:Kate.Duncan@gov.bc.ca)>; Sanderson, Melissa EMPR:EX <[Melissa.Sanderson@gov.bc.ca](mailto:Melissa.Sanderson@gov.bc.ca)>  
**Cc:** Copage, Caitlin GCPE:EX <[Caitlin.Copage@gov.bc.ca](mailto:Caitlin.Copage@gov.bc.ca)>; Pivnick, Evan V LASS:EX <[Evan.Pivnick@leg.bc.ca](mailto:Evan.Pivnick@leg.bc.ca)>; Hume, Claire LASS:EX <[Claire.Hume@leg.bc.ca](mailto:Claire.Hume@leg.bc.ca)>  
**Subject:** FW: Meeting request: BC Hydro review phase 2

Hello Kate and Melissa. Regarding note below – could Monday afternoon work for this meeting?

Thank you,  
Donna

---

**From:** Pivnick, Evan [<mailto:Evan.Pivnick@leg.bc.ca>]  
**Sent:** Wednesday, April 3, 2019 5:42 PM  
**To:** Sanford, Donna L GCPE:EX; Hume, Claire LASS:EX; Duncan, Kate EMPR:EX  
**Cc:** Copage, Caitlin GCPE:EX; Sanderson, Melissa EMPR:EX  
**Subject:** RE: Meeting request: BC Hydro review phase 2

Hey there,

Claire and I won't be able to make meetings this Friday. Does Monday afternoon work by any chance?

Evan

---

**From:** Sanford, Donna L GCPE:EX [<mailto:Donna.Sanford@gov.bc.ca>]  
**Sent:** Wednesday, April 3, 2019 2:45 PM  
**To:** Pivnick, Evan <[Evan.Pivnick@leg.bc.ca](mailto:Evan.Pivnick@leg.bc.ca)>; Hume, Claire <[Claire.Hume@leg.bc.ca](mailto:Claire.Hume@leg.bc.ca)>; Duncan, Kate EMPR:EX <[Kate.Duncan@gov.bc.ca](mailto:Kate.Duncan@gov.bc.ca)>  
**Cc:** Copage, Caitlin GCPE:EX <[Caitlin.Copage@gov.bc.ca](mailto:Caitlin.Copage@gov.bc.ca)>; Sanderson, Melissa EMPR:EX <[Melissa.Sanderson@gov.bc.ca](mailto:Melissa.Sanderson@gov.bc.ca)>  
**Subject:** Meeting request: BC Hydro review phase 2

Hello Evan, Claire and Kate: This request is further to conversations with Melissa. Can you please find a time on Friday for a follow-up meeting on BC Hydro review phase 2, as follows:

Timing:

- Friday, April 5
- 30 minutes

Attendees:

- Evan Pivnick and Claire Hume, Green Caucus
- MA Melissa Sanderson and EMPR staff, TBD by Melissa

- Donna Sanford and/or Caitlin Copage, CASA Secretariat

Location:

- Evan and Claire: can the Green Caucus meeting room be available **s.15** ,

Please let me know if you have any questions or if I can assist.

Thank you,

Donna

Donna Sanford  
Executive Director  
Confidence and Supply Agreement Secretariat  
[Donna.Sanford@gov.bc.ca](mailto:Donna.Sanford@gov.bc.ca)  
250-893-4771

## EMPR FOI EMPR:EX

---

**Subject:** BCH P2

**Location:** s.15

**Start:** Mon 2019-03-25 4:00 PM

**End:** Mon 2019-03-25 4:30 PM

**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** Copage, Caitlin GCPE:EX

**Required Attendees**Hume, Claire LASS:EX; Sanderson, Melissa EMPR:EX; Pivnick, Evan V LASS:EX; MacLaren, Les EMPR:EX;  
Sanford, Donna L GCPE:EX

Thanks all for your patience to work out this timing. Note that Claire needs to work to a hard stop at 4:30. Thanks! - C



**From:** [Wieringa, Paul EMPR:EX](#)  
**To:** [MacLaren, Les EMPR:EX](#)  
**Cc:** [Buchanan, Jack EMPR:EX](#)  
**Subject:** 190417 Draft Cab Sub **s.12; s.13**  
**Date:** April 17, 2019 5:57:38 PM  
**Attachments:** [190417 Draft Cab Sub](#) **s.12; s.13**

---

We have revised the ToR and changed the CabSub slightly to reflect conversations with the Greens and the MO. You will see we added a paragraph on CleanBC (most of the wording is taken literally from CleanBC, including the quote from Dr. Weaver.)

We also changed the Steering Committee to Review Committee.

Many thanks to Jack for reviewing and amending.

Jack: I also saved this version on the LAN.

Page 014 of 169 to/à Page 061 of 169

Withheld pursuant to/removed as

s.12 ; s.13

**From:** [MacLaren, Les EMPR:EX](#)  
**To:** [Wieringa, Paul EMPR:EX](#); [Sopinka, Amy EMPR:EX](#)  
**Subject:** BCH Phase 2 Update  
**Date:** April 1, 2019 7:01:54 AM  
**Attachments:** [Speaking Points - BC Hydro Review Phase 2 - 1-4-19 ADM.docx](#)  
[Expanded form ToR questions 1-4-19 LM.docx](#)

---

After some back and forth between our MO and the PO at the end of last week, here is the game plan.

s.12 We will adjust the Minister's speaking notes for P&A on the 4th to say that s.12

s.12 We will come back to a subsequent Cabinet meeting as soon as possible to get final sign off on the TOR and comm's materials. Attached is my cut at revised speaking points. Interested in your views before sending to Rhonda and Dave. In terms of further engagement with the Greens, Melissa wanted to send them the detailed questions. I was able to find a version and looked through my notes from the initial feedback we received from the Minister (see attached). Amy, can you please look at your notes to be sure I have captured all of the Minister's feedback?

Melissa also sent me a list of the experts the Minister would like. Eight are from our list plus Dan W from Clean Energy Canada and Gwynne Farrell from MoveUp. Melissa and I agreed that we will hold off contacting anyone until we get the feedback from P&As. s.12

s.22

Liisa O'Hara

s.22

Stephen Koch

s.22

David Bibby

Blake Shaffer

Caitlin Liostiris

Dan W

Gwynne Farrell

I am at Corporate Executive this morning, but will check my e-mail.

*Les MacLaren*

Assistant Deputy Minister

Electricity and Alternative Energy Division

BC Ministry of Energy, Mines and Petroleum Resources

**NOTE NEW OFFICE PHONE NUMBER: 778-698-7183**

Cell: s.17

*Energizing BC—clean, sustainable and productive*

Page 063 of 169 to/à Page 076 of 169

Withheld pursuant to/removed as

s.12 ; s.13

**From:** [MacLaren, Les EMPR:EX](#)  
**To:** [Wieringa, Paul EMPR:EX](#); [Green, Dan L EMPR:EX](#); [Gosman, Nat EMPR:EX](#)  
**Cc:** [Janes, Darci EMPR:EX](#)  
**Subject:** MO Feedback  
**Date:** April 11, 2019 10:54:14 AM  
**Attachments:** [IMG\\_2135.jpg](#)  
[106244 BN MO FAED Meeting with Empower Me Program.docx](#)

---

I just spoke with Melissa on a couple of topics.

Feedback from Greens on BCH Phase 2 is attached. **s.13**

**s.13** Melissa is meeting with Green Caucus staff this afternoon to discuss this further.  
We will need to update our Submission with the results of these discussions.

Minister met with the Empower Me folks a couple of weeks ago (BN attached), and would like to discuss how we can provide support to them as part of our broader energy efficiency efforts. Lets have an internal discussion next week on options.

Les

-----Original Message-----

From: MacLaren, Les EMPR:EX  
Sent: Thursday, April 11, 2019 10:09 AM  
To: MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
Subject: IMG\_2135.jpg



## BC Hydro Phase 2 - TOR feedback

- The Phase 2 BC Hydro review represents a unique opportunity to explore and provide a roadmap for the transformational changes that need to occur at BC Hydro.
- BC Hydro should not be responsible for conducting the review themselves. It is essential that the review be conducted by a group of experts who have no vested interests in either the status quo being maintained, nor a specific direction being pursued.
  - There are numerous qualified experts who have experience with British Columbia energy policy and BC Hydro specifically who could be involved.
  - In addition, it would be important to include some voices from outside the province to bring a perspective on the role of utilities in the 21st century from jurisdictions such as Quebec, Norway and the United States.
- A Terms of Reference should be developed around a single, critical question:

Whereas climate change is an existential threat facing our province, with both adaptation and mitigation being the driving factors in setting energy policy for the foreseeable future;

Whereas CleanBC lays out a significant reliance on electrification to power our future economy, requiring BC Hydro to embrace new technology, create new generation and play a critical role in matching consumer demand with supply;

Whereas BC Hydro has valuable hydro electric heritage assets that provide stable power for the province;

Therefore the BC Hydro Phase 2 should answer the question - How would BC Hydro have to operate in order to accomplish the scale of electrification required in CleanBC to meet British Columbia's 2030 and 2050 legislated GHG emissions reductions targets?

**From:** [MacLaren, Les EMPR:EX](#)  
**To:** [De Champlain, Rhonda EMPR:EX](#)  
**Cc:** [Schmidt, Cathy A EMPR:EX](#); [Wieringa, Paul EMPR:EX](#); [Sopinka, Amy EMPR:EX](#)  
**Subject:** RE: Amended Speaking Notes?  
**Date:** April 1, 2019 11:59:15 AM  
**Attachments:** [P&A Speaking Points - BC Hydro Review Phase 2 - 1-4-19 ADM.docx](#)

---

Hi Rhonda:

Consistent with the back and forth between PO, MO and Dave last Friday, attached are revised ADM-approved speaking points.

Les

---

**From:** De Champlain, Rhonda EMPR:EX  
**Sent:** Monday, April 1, 2019 11:28 AM  
**To:** MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMPR:EX <Cathy.Schmidt@gov.bc.ca>  
**Subject:** Amended Speaking Notes?

Hello Les,

Further to discussions last week, are you sending revised speaking notes for the BC Hydro Phase 2?  
**s.13**

I do not yet have our time on the agenda although Minister's Office has asked for after 3:00 if possible.

I will confirm as soon as I hear from Cabinet Operations.

Thank you.

Rhonda De Champlain

Director

Cabinet and Legislative Initiatives

and Executive Operations

Deputy Minister's Office

Ministry of Energy, Mines and

Petroleum Resources

(778) 698-7188

Page 080 of 169 to/à Page 088 of 169

Withheld pursuant to/removed as

s.12 ; s.13



**From:** [MacLaren, Les EMPR:EX](#)  
**To:** [Sanderson, Melissa EMPR:EX](#)  
**Cc:** [Wieringa, Paul EMPR:EX](#)  
**Subject:** RE: BCH Phase 2 Review TOR  
**Date:** May 21, 2019 8:58:10 AM  
**Attachments:** [BCH Phase 2 ToR DRAFT 21-5-19.docx](#)  
[BCH Phase 2 ToR DRAFT 21-5-19.pdf](#)

---

Attached is the version of the ToR where we incorporated the Green's objective and CleanBC primary focus. I first sent this up May 2, but have re-dated to today as the "current" draft for their review.

I have attached as both Word and PDF files.

Les

---

**From:** Sanderson, Melissa EMPR:EX  
**Sent:** Tuesday, May 21, 2019 8:13 AM  
**To:** MacLaren, Les EMPR:EX <[Les.MacLaren@gov.bc.ca](mailto:Les.MacLaren@gov.bc.ca)>  
**Cc:** Wieringa, Paul EMPR:EX <[Paul.Wieringa@gov.bc.ca](mailto:Paul.Wieringa@gov.bc.ca)>  
**Subject:** Re: BCH Phase 2 Review TOR

Can you share it w me in a word doc or PDF - before that happens I need to share w Greens

Sent from my iPhone

On May 21, 2019, at 6:13 AM, MacLaren, Les EMPR:EX <[Les.MacLaren@gov.bc.ca](mailto:Les.MacLaren@gov.bc.ca)> wrote:

Hi Melissa

The Clean Growth Advisory Council has requested the BCH Phase 2 ToR for review and feedback. We could share it with the Smiths (Merran and Marcia) or their technical subcommittee. All of the members have NDAs as they review and comment on CleanBC action items.

This might be a good opportunity to get some feedback before we take the ToR to Cabinet next week.

Les

---

**From:** Cross, Elaine ENV:EX  
**Sent:** Wednesday, May 15, 2019 6:01 PM  
**To:** MacLaren, Les EMPR:EX <[Les.MacLaren@gov.bc.ca](mailto:Les.MacLaren@gov.bc.ca)>  
**Cc:** Hewitt, Jeremy ENV:EX <[Jeremy.Hewitt@gov.bc.ca](mailto:Jeremy.Hewitt@gov.bc.ca)>; Dobson, Neil ENV:EX <[Neil.Dobson@gov.bc.ca](mailto:Neil.Dobson@gov.bc.ca)>  
**Subject:** BCH Phase 2 Review TOR

Hi Les,

Neil and I met with the CSCG technical sub-committee on Monday, and they were asking if it would be possible for them to review the Terms of Reference for the BC Hydro Review Phase 2.

At the full Council meeting at end of April, you had said you could ask to share the TOR with either the sub-committee or the full Council, so I am following up to see if this is a possibility.

Thanks,

Page 090 of 169 to/à Page 095 of 169

Withheld pursuant to/removed as

s.13

Elaine

**Elaine Cross**

A/Project Director

Climate Action Secretariat

Ministry of Environment & Climate Change Strategy

P: 250-893-0582

**From:** [Sopinka, Amy EMPR:EX](#)  
**To:** [MacLaren, Les EMPR:EX](#); [Wieringa, Paul EMPR:EX](#)  
**Subject:** RE: BCH Phase 2 Update  
**Date:** April 1, 2019 8:38:16 AM  
**Attachments:** [Expanded form ToR questions 1-4-19 LM as.docx](#)  
[Expanded form ToR questions 1-4-19 LM clean.docx](#)

---

Les,

Attached are two versions of the expanded TOR questions . One is in tracked changes with the edited wording on the energy self-sufficiency question, the other is a clean version.

Happy to take another stab at the wording if you'd like.

I think the speaking notes are good.

A

---

**From:** MacLaren, Les EMPR:EX  
**Sent:** Monday, April 1, 2019 7:02 AM  
**To:** Wieringa, Paul EMPR:EX; Sopinka, Amy EMPR:EX  
**Subject:** BCH Phase 2 Update

After some back and forth between our MO and the PO at the end of last week, here is the game plan.

**s.13** . We will adjust the Minister's speaking notes for P&A on the 4th to say that **s.12**

**s.12**

**s.12**

We will come back to a subsequent

Cabinet meeting as soon as possible to get final sign off on the TOR and comm's materials. Attached is my cut at revised speaking points. Interested in your views before sending to Rhonda and Dave. In terms of further engagement with the Greens, Melissa wanted to send them the detailed questions. I was able to find a version and looked through my notes from the initial feedback we received from the Minister (see attached). Amy, can you please look at your notes to be sure I have captured all of the Minister's feedback?

Melissa also sent me a list of the experts the Minister would like. Eight are from our list plus Dan W from Clean Energy Canada and Gwynne Farrell from MoveUp. Melissa and I agreed that we will hold off contacting anyone until we get the feedback from P&As. **s.13**

**s.22**

Liisa O'Hara

**s.22**

Stephen Koch

**s.22**

David Bibby

Blake Shaffer

Caitlin Liostiris

Dan W

Gwynne Farrell

I am at Corporate Executive this morning, but will check my e-mail.

*Les MacLaren*

Assistant Deputy Minister

Electricity and Alternative Energy Division

BC Ministry of Energy, Mines and Petroleum Resources

**NOTE NEW OFFICE PHONE NUMBER: 778-698-7183**

Page 098 of 169 to/à Page 113 of 169

Withheld pursuant to/removed as

s.12 ; s.13

**From:** [Wieringa, Paul EMPR:EX](#)  
**To:** [Cutler, Scott EMPR:EX](#); [MacLaren, Les EMPR:EX](#)  
**Cc:** [Norris, Nancy EMPR:EX](#); [Buchanan, Jack EMPR:EX](#); [Sopinka, Amy EMPR:EX](#)  
**Subject:** RE: BCH Phase 2  
**Date:** April 12, 2019 5:48:03 PM

---

Les: you asked about next steps. Attached is a BN for decision and it includes a script for the Minister to contact experts.

Scott et al: Please draft a list of the experts with their phone numbers.

---

**From:** Cutler, Scott EMPR:EX  
**Sent:** Friday, April 12, 2019 5:29 PM  
**To:** Wieringa, Paul EMPR:EX  
**Cc:** Norris, Nancy EMPR:EX; Buchanan, Jack EMPR:EX; Sopinka, Amy EMPR:EX  
**Subject:** RE: BCH Phase 2

Hi Paul,

Decision note for your review is here: [s.15](#)

I figure the speaking notes can be retooled when we hear back on comments from the greens.

Thanks Nancy for pulling together. Note that I moved the doc to the EAED BN folder.

Scott

---

**From:** Wieringa, Paul EMPR:EX  
**Sent:** Wednesday, April 10, 2019 11:51 AM  
**To:** Cutler, Scott EMPR:EX; Sopinka, Amy EMPR:EX  
**Cc:** Norris, Nancy EMPR:EX; Buchanan, Jack EMPR:EX; Rowe, Katherine EMPR:EX  
**Subject:** RE: BCH Phase 2

Les has asked that the CabSub be tweaked after he has had a briefing with the Greens.

Secondly, he asked for a note on what our next steps are: setting up workshops, bringing in experts, etc. I have asked Nancy to start working on a note, including budget, travel expenses, etc. Mention direct award contracts. Les thought that May 1 may be too ambitious for the first workshop.

He also asked for a script that could be used in contacting the experts. MMM may wish to do that, or alternatively, Les and BC Hydro staff.

Finally, he asked to have the speaking notes accompanying the CabSub to highlight these next steps.

---

**From:** Cutler, Scott EMPR:EX  
**Sent:** Wednesday, April 10, 2019 9:52 AM  
**To:** Sopinka, Amy EMPR:EX; Wieringa, Paul EMPR:EX  
**Cc:** Norris, Nancy EMPR:EX; Buchanan, Jack EMPR:EX; Rowe, Katherine EMPR:EX  
**Subject:** RE: BCH Phase 2

Yes, this is good news!

I am assuming that we can move forward with the following:

- Set a date for workshop 1 and send out invites. May 1 is likely the earliest we can pull the workshop together. Les had indicated that we won't be going forward to Cabinet until late April, early May. If we set the workshop at May 1 then there is a risk that we will need to postpone if we have not received direction from cabinet.
- Working group meeting can start in preparation for workshop 1.

Do you have any sense on whether we can start reaching out to experts for their participation in the review? Are we ok proceeding with checking with Dave Nik using direct award contracts? If we can't start to reach out then we will need to consider if experts will be part of workshop 1 or we delay.

Has Les had a chance to check in with Jeremy Hewitt's participation on the Advisory Group?

---

**From:** Sopinka, Amy EMPR:EX  
**Sent:** Wednesday, April 10, 2019 9:12 AM  
**To:** Wieringa, Paul EMPR:EX

**Cc:** Cutler, Scott EMPR:EX; Norris, Nancy EMPR:EX; Buchanan, Jack EMPR:EX; Rowe, Katherine EMPR:EX

**Subject:** Re: BCH Phase 2

Agreed!

Do you anticipate that we will need to make changes to the Cab Sub?

A

Amy Sopinka

Director, Transmission and Interjurisdictional Branch

P: 778-698-6280

M **s.17**

On Apr 10, 2019, at 8:55 AM, Rowe, Katherine EMPR:EX <[Katherine.Rowe@gov.bc.ca](mailto:Katherine.Rowe@gov.bc.ca)> wrote:

Good news! Thanks Paul

---

**From:** Wieringa, Paul EMPR:EX

**Sent:** April 10, 2019 7:38 AM

**To:** Sopinka, Amy EMPR:EX <[Amy.Sopinka@gov.bc.ca](mailto:Amy.Sopinka@gov.bc.ca)>; Cutler, Scott EMPR:EX <[Scott.Cutler@gov.bc.ca](mailto:Scott.Cutler@gov.bc.ca)>; Norris, Nancy EMPR:EX <[Nancy.Norris@gov.bc.ca](mailto:Nancy.Norris@gov.bc.ca)>; Buchanan, Jack EMPR:EX <[Jack.Buchanan@gov.bc.ca](mailto:Jack.Buchanan@gov.bc.ca)>; Rowe, Katherine EMPR:EX <[Katherine.Rowe@gov.bc.ca](mailto:Katherine.Rowe@gov.bc.ca)>

**Subject:** Fwd: BCH Phase 2

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "MacLaren, Les EMPR:EX" <[Les.MacLaren@gov.bc.ca](mailto:Les.MacLaren@gov.bc.ca)>

**Date:** April 10, 2019 at 6:46:14 AM PDT

**To:** "Nikolejsin, Dave EMPR:EX" <[Dave.Nikolejsin@gov.bc.ca](mailto:Dave.Nikolejsin@gov.bc.ca)>

**Cc:** "Wieringa, Paul EMPR:EX" <[Paul.Wieringa@gov.bc.ca](mailto:Paul.Wieringa@gov.bc.ca)>, "De Champlain, Rhonda EMPR:EX" <[Rhonda.DeChamplain@gov.bc.ca](mailto:Rhonda.DeChamplain@gov.bc.ca)>

**Subject:** BCH Phase 2

We had about 15 minutes with the committee just after 5 pm. Good discussion of control and optics of the options, and overall support for the Minister's recommended option.

*Les MacLaren*

Assistant Deputy Minister

Electricity and Alternative Energy Division

BC Ministry of Energy, Mines and Petroleum Resources

**NOTE NEW OFFICE PHONE NUMBER: 778-698-7183**

Cell: **s.17**

*Energizing BC—clean, sustainable and productive*

Page 116 of 169

Withheld pursuant to/removed as

s.13 ; s.14





BRITISH  
COLUMBIA

Ministry of  
Energy, Mines and  
Petroleum Resources

Page 118 of 169 to/à Page 119 of 169

Withheld pursuant to/removed as

s.13 ; s.14

**From:** [MacLaren, Les EMPR:EX](#)  
**To:** [Nikolejsin, Dave EMPR:EX](#); [Cochrane, Marlene EMPR:EX](#)  
**Cc:** [De Champlain, Rhonda EMPR:EX](#)  
**Subject:** RE: FOR APPROVAL: Draft 03-19/20 Cabinet Submission for **s.12**  
**Date:** April 21, 2019 3:43:07 PM

---

Hi Dave:

We went ahead with this based on the OK from Melissa after her discussions with the Green Caucus staff. She noted that further discussion on who the advisors will be will occur between the PO (Bob Dewar) and the Greens.

This is not materially different from the version Ken and Chris say that went to P&A. **s.13**  
**s.13**

Les

---

**From:** Nikolejsin, Dave EMPR:EX  
**Sent:** Thursday, April 18, 2019 5:39 PM  
**To:** Cochrane, Marlene EMPR:EX <Marlene.Cochrane@gov.bc.ca>; MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
**Cc:** De Champlain, Rhonda EMPR:EX <Rhonda.DeChamplain@gov.bc.ca>  
**Subject:** Re: FOR APPROVAL: Draft 03-19/20 Cabinet Submission for **s.12**  
This looks good to me. Just need to confirm Melissa is now happy that the greens are happy, and then Ken and Chris have seen this and are happy.  
Thanks

Dave Nikolejsin  
Deputy Minister  
Energy, Mines and Petroleum Resources

On Apr 18, 2019, at 11:48 AM, Cochrane, Marlene EMPR:EX <[Marlene.Cochrane@gov.bc.ca](mailto:Marlene.Cochrane@gov.bc.ca)> wrote:

Attached for your approval is the **s.12** Cabinet Submission. The Submission incorporates feedback from the MO after a discussion with the Green Caucus. There are minor changes to the version the Minister previously signed. If approved, I will send to the MO for Minister's weekly e-binder. Please note: Les is still working on the **s.12** TB Submission. EAED has a call later today with FIN and EY to discuss the comments received by EY last night. Staff will then work on the revisions this weekend and send us the draft Tuesday. I have let the MO know they won't see this item until Tuesday. Due to the long weekend and the House not sitting, they thought that would be fine.  
Thank you.

**Marlene Cochrane**  
Executive Coordinator | Deputy Minister's Office  
Ministry of Energy, Mines and Petroleum Resources  
Victoria | British Columbia  
Phone (778) 698 7254

<190417**s.12**

docx>

**From:** [Wieringa, Paul EMPR:EX](#)  
**To:** [MacLaren, Les EMPR:EX](#); [Green, Dan L EMPR:EX](#); [Gosman, Nat EMPR:EX](#)  
**Cc:** [Janes, Darci EMPR:EX](#)  
**Subject:** RE: MO Feedback  
**Date:** April 11, 2019 11:35:57 AM

---

On the Phase 2 Review, we might be closer than the Greens think. In our proposal, we are bringing in outside experts, and probably more than any panel would consider, and working with experts in BC Hydro and Powerex and PowerTech Labs. Secondly, we are having an interim report and the public will have an opportunity to provide comments. Thirdly, climate change mitigation and electrification figure prominently in our proposal--thriving utility, supporting CleanBC and leveraging strengths circle around electrification and climate change mitigation.

-----Original Message-----

From: MacLaren, Les EMPR:EX  
Sent: Thursday, April 11, 2019 10:54 AM  
To: Wieringa, Paul EMPR:EX; Green, Dan L EMPR:EX; Gosman, Nat EMPR:EX  
Cc: Janes, Darci EMPR:EX  
Subject: MO Feedback

I just spoke with Melissa on a couple of topics.

Feedback from Greens on BCH Phase 2 is attached. **s.13**  
**s.13** Melissa is meeting with Green Caucus staff this afternoon to discuss this further.  
We will need to update our Submission with the results of these discussions.

Minister met with the Empower Me folks a couple of weeks ago (BN attached), and would like to discuss how we can provide support to them as part of our broader energy efficiency efforts. Lets have an internal discussion next week on options.

Les

-----Original Message-----

From: MacLaren, Les EMPR:EX  
Sent: Thursday, April 11, 2019 10:09 AM  
To: MacLaren, Les EMPR:EX <Les.MacLaren@gov.bc.ca>  
Subject: IMG\_2135.jpg

**From:** [McSherry, Diane](#)  
**To:** [Sopinka, Amy EMPR:EX](#); [MacLaren, Les EMPR:EX](#); [Hewitt, Jeremy ENV:EX](#); [Wieringa, Paul EMPR:EX](#); [MacDougall, Mike](#); [Nugent, Jeff](#); [Quinn, Darcy](#); [Magre, Leela](#); [Rowe, Katherine EMPR:EX](#)  
**Subject:** RE: Phase 2 Advisory Meeting  
**Date:** July 25, 2019 4:27:42 PM  
**Attachments:** [Agenda and Materials for Advisory Committee Meeting July 26.pdf](#)

---

Please see agenda and materials for the Advisory Meeting tomorrow at 11am.  
The materials for the meeting in the afternoon will be distributed by Keith Anderson.  
Apologies for not distributing earlier.

-----Original Appointment-----

**From:** Sopinka, Amy EMPR:EX [<mailto:Amy.Sopinka@gov.bc.ca>]  
**Sent:** 2019, July 09 8:55 AM  
**To:** Sopinka, Amy EMPR:EX; MacLaren, Les EMPR:EX; Hewitt, Jeremy ENV:EX; Wieringa, Paul EMPR:EX; McSherry, Diane; MacDougall, Mike; Nugent, Jeff; Quinn, Darcy; Magre, Leela; Rowe, Katherine EMPR:EX  
**Subject:** Phase 2 Advisory Meeting  
**When:** 2019, July 26 11:00 AM-11:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Skype Meeting

---

### [Join Skype Meeting](#)

Trouble Joining? [Try Skype Web App](#)

#### Join by phone

Local - Victoria: +1 (250) 952-9304, **s.15** (BC, Canada) English (United States)  
Local - Vancouver: +1 (604) 398-9304, **s.15** (BC, Canada) English (United States)  
Toll-Free: +1 (888) 952-9304, **s.15** (BC, Canada) English (United States)

[Find a local number](#)

Conference ID: **s.15**

[Forgot your dial-in PIN?](#) | [Help](#)

---

---

This email and its attachments are intended solely for the personal use of the individual or entity named above. Any use of this communication by an unintended recipient is strictly prohibited. If you have received this email in error, any publication, use, reproduction, disclosure or dissemination of its contents is strictly prohibited. Please immediately delete this message and its attachments from your computer and servers. We would also appreciate if you would contact us by a collect call or return email to notify us of this error. Thank you for your cooperation.

-BCHydroDisclaimerID5.2.8.1541

**AGENDA**  
**Phase 2 Comp Review – Advisory Committee Mtg**  
**Friday July 26, 2019**

**11:00 – 11:30 am**

1. Review Committee Meeting Presentation (Tuesday July 30)
2. Review Updated Schedule
3. Proposed Stakeholder Approach & List
4. Expert Advisor Workshop July 19 – Minutes for review and discussion on distribution format
5. Potential Indigenous Advisers

**1:00 – 2:30 pm**

1. Clean BC Papers
  - Policy Framework for BC Hydro's Role in Electrification
  - Remove Barriers for Customers to Connect
  - New Electrification Policy/Programs/Regulations(Note Materials to follow)
2. Follow up Morning discussion (if required)

Page 124 of 169 to/à Page 134 of 169

Withheld pursuant to/removed as

s.13

**Comprehensive Review Phase 2  
Proposed Stakeholders**

Stakeholder / Organization	Contact Name	Contact Information	Notes
Assembly of First Nations	Jaime Sanchez (main contact), Special Advisor to Regional Chief Teegee  Patricia Rojas Caro, Regional Climate Change Coordinator	<a href="mailto:jaime.sanchez@bcfn.ca">jaime.sanchez@bcfn.ca</a>  <a href="mailto:patricia.rojas@bcfn.ca">patricia.rojas@bcfn.ca</a>	SAID advises we contact Jaime first. AFN has the most capacity of the 3 indigenous organisations and often funnels information to them.
First Nations Summit	Colin Braker, Communications Director	<a href="mailto:cbraker@fns.bc.ca">cbraker@fns.bc.ca</a>	See above
Union of BC Indian Chiefs (UBCIC)	Andrea Glickman, Senior Policy Advisor	<a href="mailto:andrea@ubcic.bc.ca">andrea@ubcic.bc.ca</a>	See above
Alliance of BC Modern Treaty First Nations			
Business Council of British Columbia	Jock Finlayson, Executive VP and Chief Policy Officer	<a href="mailto:jock.finlayson@bccbc.com">jock.finlayson@bccbc.com</a>	
FortisBC	Brent Graham, Government Relations and Public Policy  Mike Hopkins, Senior Manager, Price Risk & Resource Planning	<a href="mailto:Brent.Graham@fortisbc.com">Brent.Graham@fortisbc.com</a>  <a href="mailto:Mike.hopkins@fortisbc.com">Mike.hopkins@fortisbc.com</a>	
Columbia Power Corp. / Columbia Basin Trust	Johnny Strilaeff, President	<a href="mailto:jstrilaeff@cbt.org">jstrilaeff@cbt.org</a>	
Clean Energy BC	Martin Mullany, Interim Executive Director	<a href="mailto:martin.mullany@cleanenergybc.org">martin.mullany@cleanenergybc.org</a>	
City of Vancouver	Matt Horne, Climate Policy Manager	<a href="mailto:Matt.Horne@vancouver.ca">Matt.Horne@vancouver.ca</a>	



**Comprehensive Review Phase 2  
Proposed Stakeholders**

Stakeholder / Organization	Contact Name	Contact Information	Notes
City of Victoria	Fraser Work, Chief Sustainability Officer	<a href="mailto:fworks@victoria.ca">fworks@victoria.ca</a>	
	Andrea Hudson, Assistant Director, Community Planning	<a href="mailto:ahudson@victoria.ca">ahudson@victoria.ca</a>	
	Steve Young, Senior GIS Specialist	<a href="mailto:syoung@victoria.ca">syoung@victoria.ca</a>	
Association of Major Power Customers (AMPC)	Carlo Dal Monte, Chair	<a href="mailto:carlo.dalmonete@catalystpaper.com">carlo.dalmonete@catalystpaper.com</a>	
Mining Association of BC (MABC)	Michael Goehring, President & CEO	<a href="mailto:mgoehring@mining.bc.ca">mgoehring@mining.bc.ca</a>	
Commercial Energy Consumers (CEC)	Chris Weafer, Council	<a href="mailto:cweafer@owenbird.com">cweafer@owenbird.com</a>	
Council of Forest Industries (COFI)	Susan Yurkovich, President & CEO	<a href="mailto:yurkovich@cofi.org">yurkovich@cofi.org</a>	
BC LNG Alliance	Bryan Cox, President & CEO	<a href="mailto:Bryan.cox@bclnga.ca">Bryan.cox@bclnga.ca</a>	
Canadian Association of Petroleum Producers (CAPP)	Geoff Morrison, Manager of BC Operations	<a href="mailto:Geoff.morrison@capp.ca">Geoff.morrison@capp.ca</a>	Phone: 778-265-3819
Pembina Institute	Karen Tam Wu, Regional Director	<a href="mailto:karentw@pembina.org">karentw@pembina.org</a>	604-874-8558 s.22
BC Sustainable Energy Association / Sierra Club	Hannah Askew, Executive Director	<a href="mailto:Hannah@sierraclub.bc.ca">Hannah@sierraclub.bc.ca</a>	
	Bill Andrews, Lawyer	<a href="mailto:wjandrews@shaw.ca">wjandrews@shaw.ca</a>	
	Tom Hackney, Policy Advisor	<a href="mailto:tom.hackney@bcsea.org">tom.hackney@bcsea.org</a>	
Suzuki Foundation	Lindsay Coulter, Senior Public Engagement Specialist	<a href="mailto:lcoulter@davidsuzuki.org">lcoulter@davidsuzuki.org</a>	

**Comprehensive Review Phase 2  
Proposed Stakeholders**

<b>Stakeholder / Organization</b>	<b>Contact Name</b>	<b>Contact Information</b>	<b>Notes</b>
Movement of United Professionals (MoveUp)	Rysa Kronebusch, Vice-President	<a href="mailto:RKronebusch@moveuptogether.ca">RKronebusch@moveuptogether.ca</a>	
International Brotherhood of Electrical Workers (IBEW)	Doug McKay, Business Manager/ Financial Secretary	<a href="mailto:dmckay@ibew258.bc.ca">dmckay@ibew258.bc.ca</a>	
British Columbia Old Age Pensioners' Organization (BCOAPO) / BC Public Interest Advocacy Centre	Leigha Worth, Executive Director	<a href="mailto:lworth@bcpiac.com">lworth@bcpiac.com</a>	
Low Income Advisory Council	Iris Mis, Staff Lawyer	<a href="mailto:imis@bcpiac.com">imis@bcpiac.com</a>	604.687.3017

Page 138 of 169 to/à Page 154 of 169

Withheld pursuant to/removed as

s.13

Page 155 of 169 to/à Page 157 of 169

Withheld pursuant to/removed as

s.22

**AGENDA**  
**Phase 2 Comp Review – Advisory Committee Mtg**  
**Friday July 26, 2019**

**11:00 – 11:30 am**

1. Review Committee Meeting Presentation (Tuesday July 30)
2. Review Updated Schedule
3. Proposed Stakeholder Approach & List
4. Expert Advisor Workshop July 19 – Minutes for review and discussion on distribution format
5. Potential Indigenous Advisers

**1:00 – 2:30 pm**

1. Clean BC Papers
  - Policy Framework for BC Hydro's Role in Electrification
  - Remove Barriers for Customers to Connect
  - New Electrification Policy/Programs/Regulations(Note Materials to follow)
2. Follow up Morning discussion (if required)



# BC Hydro Comprehensive Review

March 2019



## Two-Phase Comprehensive Review Of BC Hydro

### Phase 1 Structural Review

(March – December 2018)

- Five year outlook (F2020-F2024)
- Examine costs/activities, revenues to keep rates affordable
- Re-empower the BCUC while balancing Fiscal Plan impacts and policy priorities

### Phase 2 Transformational Review ( Spring 2019 – Spring 2020)

- Longer-term outlook (now–2050)
- Determine BC Hydro's role in delivering on CleanBC objectives
- Position BC Hydro/BC for enduring success within rapidly changing global energy sector



## Phase 1 is Now Complete

### *Key Outcomes:*

#### **1. Five Year (2020 – 2024) Rates Forecast**

- Cumulative rates increases expected to be 40% lower than previous government's 10 Year Rates Plan, and 20% below forecast inflation

#### **2. Enhanced BCUC Oversight of BC Hydro**

- Includes “go forward” BCUC decision making on BC Hydro's net income, regulatory accounts, Integrated Resource Plan
- Precludes oversight on other matters (e.g. policy-driven programs like rate rebalancing, retail access)
- Responds to concerns raised by the Auditor General





## Phase 1 Result: F2020 – F2024 Rates Forecast

	F2020	F2021	F2022	F2023	F2024	5 Year Cumulative Total*
<b>Proposed Rates Forecast**</b>						
Annual Bill Impact***	1.8%	0.7%	2.2%	0.0%	3.2%	8.1%
<b>Previous Government's 10 Year Rates Plan</b>						
Annual Bill Impact	2.6%	2.6%	2.6%	2.6%	2.6%	13.7%
<b>Inflation</b>						
Forecast BC CPI	2.3%	2.0%	2.0%	2.0%	2.0%	10.7%

**PST on electricity to be reduced from 3.5% to 0 on April 1, 2019 for business customers**

\* Cumulative rates do not equal the sum of annual rate changes due to the effect of compounding.

\*\*Subject to approval by the BCUC

\*\*\*Includes impact of removing 5% rate rider



## Actions to Implement the Oversight Framework

- **Immediate:** Regulations, including Direction 8 to the BCUC
- **Spring 2019:** Proposed Legislative Amendments

Restore BCUC  
Independence

Maintain Fiscal  
Plan

Government  
Priorities/  
Affordable Rates



## Next Steps: BC Hydro Review Phase 2 Preliminary Objectives

Global energy context is changing,  
shaped largely by climate policies and  
technology

### **Delivering on CleanBC:**

- confirm BC Hydro initiatives

### **Positioning for success in evolving world:**

- identify key BC and North American trends (e.g., falling cost of renewables)
- Vision for BC Hydro's long-term role within this context





## Thriving in an Evolving Electricity Sector

- Which industry trends are most likely to have an impact on BC Hydro?
- What actions are needed to ensure that BC Hydro is able to benefit from new markets and integrate new technologies while keeping rates affordable?
- Are there opportunities for BC Hydro to provide customers with more energy choices and information?
- Are changes needed to BC Hydro's governance structure to allow the utility to pursue new business opportunities?





## Supporting CleanBC

- What is required to ensure that new customer demand for access to clean electricity from the grid is achieved in an efficient, cost-effective, and timely manner?
- How should the costs of this new access be allocated between existing and new customers? Is there a role for government(s) in financing the infrastructure to provide this access?
- What can/should BC Hydro do to encourage fuel switching to increase the use of clean electricity as an alternative to fossil fuels?
- How can BC Hydro and the Province's EfficiencyBC program coordinate further to meet CleanBC objectives?



## Leveraging Our Strengths

- What constraints, if any, reduce Powerex's ability to trade electricity in the Western Interconnection today or in the future?
- Is there an opportunity or actions that can be taken that will enable Powerex to expand its business in markets outside of BC, further leveraging BC Hydro's clean generation and/or Powerex's expertise in energy markets?
- How should cost effective clean energy located outside of BC be considered in BC Hydro's planning and operations?
- Is there an opportunity to own and/or operate assets outside of BC Hydro's current service area that would benefit BC Hydro's ratepayers?



## Opportunities for Indigenous Nations and Communities

- In support of BC's commitment to reconciliation with Indigenous Peoples, the Review will consider future opportunities or new roles for Indigenous Nations and communities in the development, ownership, or operation of electrical infrastructure or services.
- In relation to BC Hydro's existing business and proposed new lines of business, what opportunities are there to enhance Indigenous Nations' participation in the energy sector.



## Phase 2 Will Consider Opportunities for:

- program and rate design,
- changes to BC Hydro's governance structure and regulatory framework, and
- other opportunities for improved organizational readiness to enhance BC Hydro's financial and operational sustainability to keep rates affordable over the long term