

**From:** Tesch, David ENV:EX  
**To:** Zacharias, Mark ENV:EX  
**Cc:** Crebo, David GCPE:EX; Murphy, Bernadette GCPE:EX; Kriwoken, Lynn ENV:EX  
**Subject:** Re: 2015 MMP Mandate Letter  
**Date:** June 22, 2015 3:14:53 PM

---

This wasn't from KMB as far as I know.

Regards,  
D.

On Jun 22, 2015, at 3:09 PM, Zacharias, Mark ENV:EX <[Mark.Zacharias@gov.bc.ca](mailto:Mark.Zacharias@gov.bc.ca)> wrote:

Must have been FLNRO as it wasn't on our list...

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**From:** Crebo, David GCPE:EX  
**Sent:** Monday, June 22, 2015 3:07 PM  
**To:** Zacharias, Mark ENV:EX  
**Cc:** Murphy, Bernadette GCPE:EX; Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX  
**Subject:** RE: 2015 MMP Mandate Letter

Please do. GCPE HQ is asking.

Any idea who pitched this idea? I thought these were coming from the ministries now?

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**From:** Zacharias, Mark ENV:EX  
**Sent:** Monday, June 22, 2015 3:05 PM  
**To:** Crebo, David GCPE:EX  
**Cc:** Murphy, Bernadette GCPE:EX; Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX  
**Subject:** RE: 2015 MMP Mandate Letter

Not at all unless Lynn and David have been colluding behind the scenes. This was a surprise for me but we should be able to get a handle on this fairly quickly if no one is already working on this.

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**From:** Crebo, David GCPE:EX  
**Sent:** Monday, June 22, 2015 2:56 PM  
**To:** Zacharias, Mark ENV:EX  
**Cc:** Murphy, Bernadette GCPE:EX  
**Subject:** RE: 2015 MMP Mandate Letter

Mark – do you know how #5 will be carried out? The one about analyzing retreating glaciers and melting snowpacks for the impacts on forests. I gather some sort of work is being planned being the two ministries. Do you have any details how that will look, what the final product will be and timelines?

---

**From:** Zacharias, Mark ENV:EX  
**Sent:** Monday, June 22, 2015 2:02 PM  
**To:** ENV Executive Committee  
**Subject:** 2015 MMP Mandate Letter  
Exec:

Just in case you didn't see this:

[http://www2.gov.bc.ca/assets/gov/government/36aee53a6fc100320499fecc00fd9934-ministries-organizations/premier-cabinet-mlas/minister-letter/mary\\_polak\\_mandate\\_letter.pdf](http://www2.gov.bc.ca/assets/gov/government/36aee53a6fc100320499fecc00fd9934-ministries-organizations/premier-cabinet-mlas/minister-letter/mary_polak_mandate_letter.pdf)

Regards, MZ

**From:** [Tesch, David ENV:EX](#)  
**To:** [Erwin, Corey W ENV:EX](#); [Maxwell, Jennifer A ENV:EX](#); Hold - 170922 - Hays-Byl, Winn ENV:EX  
**Subject:** Fwd: 2015 MMP Mandate Letter  
**Date:** June 22, 2015 8:49:31 PM

---

FYI

Regards,  
D.

Begin forwarded message:

**From:** "Zacharias, Mark ENV:EX" <[Mark.Zacharias@gov.bc.ca](mailto:Mark.Zacharias@gov.bc.ca)>  
**Date:** June 22, 2015 at 2:05:18 PM PDT  
**To:** "Danks, Anthony ENV:EX" <[Anthony.Danks@gov.bc.ca](mailto:Anthony.Danks@gov.bc.ca)>, "Kriwoken, Lynn ENV:EX" <[Lynn.Kriwoken@gov.bc.ca](mailto:Lynn.Kriwoken@gov.bc.ca)>, "Abbott, Rob ENV:EX" <[Rob.Abbott@gov.bc.ca](mailto:Rob.Abbott@gov.bc.ca)>, "Dale, Alec R ENV:EX" <[Alec.Dale@gov.bc.ca](mailto:Alec.Dale@gov.bc.ca)>, "Tesch, David ENV:EX" <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)>  
**Subject:** FW: 2015 MMP Mandate Letter

EDs:

We get snowpacks, wildlife corridors and the round-table this year...

Regards, MZ

---

**From:** Zacharias, Mark ENV:EX  
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**To:** ENV Executive Committee  
**Subject:** 2015 MMP Mandate Letter

Exec:

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Regards, MZ



**From:** Gooderham, Coleen E ENV:EX on behalf of Zacharias, Mark ENV:EX  
**To:** Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX  
**Subject:** Mandate Letter  
**Attachments:** FW Mandate letter .msg

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**From:** Zacharias, Mark ENV:EX []  
**To:** Gooderham, Coleen E ENV:EX [Coleen.Gooderham@gov.bc.ca]  
**Subject:** FW: Mandate letter  
**Date:** Monday, June 22, 2015 15:17:27

---

Can you find some time with Lynn and David tomorrow and then schedule a call with Tom for Friday?

Thx, MZ

**From:** Ethier, Tom FLNR:EX  
**Sent:** Monday, June 22, 2015 4:16 PM  
**To:** Zacharias, Mark ENV:EX  
**Subject:** Re: Mandate letter

None to my knowledge. Let's chat later this week.

Sent from my iPhone

On Jun 22, 2015, at 3:46 PM, "Zacharias, Mark ENV:EX" <[Mark.Zacharias@gov.bc.ca](mailto:Mark.Zacharias@gov.bc.ca)> wrote:

Hi Tom:

GCPE was wondering whether it was FLNRO that suggested the project analyzing retreating glaciers and melting snowpacks and the impacts on forests. If so, have you done any work on this yet?

Regards, MZ

**From:** [Tesch, David ENV:EX](#)  
**To:** [Gooderham, Coleen E ENV:EX](#)  
**Subject:** Re: Urgent Question: Mandate letter  
**Date:** June 23, 2015 8:25:05 AM

---

I'll be there.

Regards,  
D.

On Jun 23, 2015, at 8:10 AM, Gooderham, Coleen E ENV:EX  
<[Coleen.Gooderham@gov.bc.ca](mailto:Coleen.Gooderham@gov.bc.ca)> wrote:

Hi

I set up a conf call with you/Lynn and Mark to discuss this at 11:30 today if you are NOT available pls advise and I will schedule Winn to take this for you?

Ok?

**Coleen Gooderham | EAA** to Mark Zacharias, ADM, ESSPD, Ministry of Environment | 250-356-0121  
Please consider the environment before printing this email.

---

**From:** Zacharias, Mark ENV:EX  
**Sent:** Monday, June 22, 2015 4:17 PM  
**To:** Gooderham, Coleen E ENV:EX  
**Subject:** FW: Mandate letter

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Regards, MZ

**From:** Tesch, David ENV:EX  
**To:** Zacharias, Mark ENV:EX  
**Subject:** Accepted: Mandate Letter

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**From:** [Zacharias, Mark ENV:EX](#)  
**To:** [Kriwoken, Lynn ENV:EX](#); [Tesch, David ENV:EX](#)  
**Cc:** [Crebo, David GCPE:EX](#); [Franklin, Kimberley GCPE:EX](#)  
**Subject:** FW: Mandate Letter media queries  
**Date:** June 23, 2015 1:10:00 PM  
**Attachments:** [image001.png](#)

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Pls don't forward to FLNRO staff but here is MMP's take. Hopefully MST is thinking something similar.

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**From:** Polak, Mary ENV:EX  
**Sent:** Tuesday, June 23, 2015 12:47 PM  
**To:** Zacharias, Mark ENV:EX  
**Cc:** Shoemaker, Wes ENV:EX; Kapac de Frias, Martina E FLNR:EX; Crozier, Bev ENV:EX  
**Subject:** Re: Mandate Letter media queries

My understanding is that it is a FLNRO lead that incorporates using the new WSA tools and looking ahead to managing in a dryer climate re forest impacts specifically and drought generally.

Sent from my iPad

On Jun 23, 2015, at 2:00 PM, "Zacharias, Mark ENV:EX" <[Mark.Zacharias@gov.bc.ca](mailto:Mark.Zacharias@gov.bc.ca)> wrote:

Minister / Wes/ Martina:

We are getting questions related to #5 (below). Any background on the history, context or interpretation of this commitment would be appreciated. Specifically, whether this is just about 'forests' (in the fire management / drought context) or more about 'natural resources' (in the overall economic impacts of climate change context). Thanks!

#5: Working with the Ministry of Forests Lands and Natural Resource Operations undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change

Mark Zacharias | Assistant Deputy Minister  
Environmental Sustainability and Policy Division, Ministry of Environment  
5<sup>th</sup> Floor, 2975 Jutland Road | Victoria, BC | V8W 9M1 | 250.356.0121 | 250.415.6466



Where ideas work

8 of 461

**From:** [Davis, Celine ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Date:** August 31, 2015 2:26:23 PM  
**Attachments:** 150902 Ministerial Mandate Letter Commitment Tracking-DRAFT V1.docx  
**Importance:** High

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**From:** Danks, Anthony ENV:EX  
**Sent:** Monday, August 31, 2015 1:23 PM  
**To:** Davis, Celine ENV:EX; Down, Ted ENV:EX  
**Cc:** Dale, Alec R ENV:EX; Kriwoken, Lynn ENV:EX; Bell, Christina ENV:EX  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Ted and Celine:

Could you please complete your respective sections and return to me.

Thanks,

Anthony

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**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, August 31, 2015 12:54 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX  
**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Hi all. My apologies. Here is the attachment for you review and action.

WSB

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**Sent:** Monday, August 31, 2015 12:46 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX  
**Subject:** DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter  
**Importance:** High

Hi all. I think I managed to include everyone who is covering for someone else.

GCPE sent a request for an update on where the Ministry is at on MMP's mandate letter. I found the previous template and populated it with the new commitments. I also added in some placeholder information based on the holdback document sent to John Dyble's office in August. That said, I am not wedded to the language included in the document. There are still some holes that require filling (highlighted in yellow).

GCPE is looking for the update on Wednesday so response is due to DMO by Close of Business tomorrow, Tuesday, September 1<sup>st</sup>. We can go over the responses at Wednesday's MOE Executive meeting before I send them to GCPE.

Thanks all.

WSB

**W. Scott Barillaro**

Manager of Executive Operations

Deputy Minister's Office

Ministry of Environment

Office: 250-356-5763

Cell: 250-818-0292



**2015/16 Ministerial Mandate Letter Commitment Update: September 2, 2016**

<b>Initiative</b>	<b>Previous</b>	<b>Current</b>	<b>Latest Comments</b>
Balance your ministerial budget in order to control spending and achieve an overall balanced budget for the province of British Columbia.	N/A	Ongoing	<ul style="list-style-type: none"> <li>• ENV and EAO budgets for 2015/16 are being allocated.</li> <li>• Fiscal controls in place to track progress and adjust expenditures if required.</li> </ul>
Work with Emergency Management British Columbia and federal government agencies to review and make recommendations to Cabinet ways to improve oil spill safety and response following the Simushir power failure on the North Coast and Marathassa bunker fuel spill in English Bay.	New	Ongoing	<ul style="list-style-type: none"> <li>• Provided provincial input to Canadian Coast Guard review of Marathassa spill in July 2015.</li> <li>• Committed to participate in the Haida-led Simushir Lessons Learned and Places of Refuge workshops in Haida Gwaii with Transport Canada, Canadian Coast Guard and federal Major Projects Office West.</li> </ul>
Work with the members of the Climate Leadership Team and develop options for Cabinet on how to move forward with our new Climate Leadership Plan, the BC government's next generation of climate policy leadership.	New	Ongoing	<ul style="list-style-type: none"> <li>• Prepared and released a discussion paper on Government's future climate policy for public on July 17, 2015. Public consultation period on the paper extended to September 15, 2015.</li> <li>• Public consultation will contribute to the development of the Province's draft Climate Leadership Plan later in Fall 2015.</li> </ul>
With Premier's Office, prepare for and position British Columbia to make a meaningful contribution prior to attending the United Nations Climate Change Conference COP 21 in Paris this winter.	New	Ongoing	<ul style="list-style-type: none"> <li>• CAS to complete.</li> </ul>
Working the Ministry of Forests, Lands and Natural Resource Operations, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change.	New	Ongoing	<ul style="list-style-type: none"> <li>• ESSPD to complete.</li> </ul>

Work with the Ministry of Energy and Mines and Ministry of Forests, Lands and Natural Resource Operations to provide options to Cabinet on a wildlife access corridor in southeast British Columbia.	New	Ongoing	<ul style="list-style-type: none"> <li>• ESSPD to complete.</li> </ul>
Complete land-based heavy oil spill response studies and consultations and make recommendations to Cabinet on how to ensure our spill response regime requirements are consistent with the Premier's Five Conditions for Heavy Oil Consideration.	New	Ongoing	<ul style="list-style-type: none"> <li>• Established Land-Based Spill Response Project Team.</li> <li>• Established Land-Based Spill Response Project Board.</li> <li>• Scheduled stakeholder engagement sessions with the Canadian Association of Petroleum Producers and the Canadian Energy Pipeline Association in mid-September 2015.</li> </ul>
Monitor the progress and participate in the Kinder Morgan Trans Mountain Pipeline expansion environmental review conducted by the federal National Energy Board.	New	Ongoing	<ul style="list-style-type: none"> <li>• EAO provided oversight and management of British Columbia's participation as an intervenor at the National Energy Board (NEB) Hearings. This included reviewing information requests made by participants and other intervenors as well as providing instruction to legal counsel on provincial responses.</li> <li>• Working with government staff and legal counsel to prepare the Province's final arguments for the NEB hearings.</li> </ul>
6. Work with Parliamentary Secretary Jordan Sturdy and his Roundtable on the Environment and Economy to promote environmentally responsible economic development in British Columbia.	Ongoing	Ongoing	<ul style="list-style-type: none"> <li>• Ministry committed to seek input from the Roundtable on the draft Land-Based Spill Response Regime and Draft Climate Leadership Plan during 2015/16 fiscal year.</li> <li>• Ministry staff will support a mid-term Roundtable Performance Review during the 2015/16 fiscal year.</li> <li>• Ministry staff will participate in the next Roundtable meeting scheduled for September 16, 2015.</li> </ul>

**From:** Tesch, David ENV:EX  
**To:** Thomas, Keith D.FLNR:EX  
**Subject:** Minister's Mandate Letters  
**Date:** September 1, 2015 10:41:00 AM

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Hi Keith,

Are you involved in setting the actions to be taken to support the items in the minister's mandate letters? Specifically, I'm wondering who on the FLNRO side is working on the "effects of retreating glaciers on forestry" item?

I'm being asked to come up with some high level actions for this for ENV.

Regards,

D.

**From:** [Davis, Celine ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Down, Ted ENV:EX](#)  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Date:** September 1, 2015 11:32:55 AM  
**Attachments:** 150902 Ministerial Mandate Letter Commitment Tracking-DRAFT V1.docx  
**Importance:** High

---

Hi David,

I asked Robin Pike to contact some of his former colleagues in FLNR to see if we could get more information on the action item below.

**13. Working with the Ministry of Environment, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change.**

It sounds like FLNR MO provided clarification to interpret the mandate more broadly to consider climate change effects on FLNR values (e.g., forests ecosystems). We would need to discuss in more detail with FLNR. For now, I would suggest the following wording be included:

- Ministry staff will assist FLNR in the developing of a strategy to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC. This information can be used by FLNR staff to make recommendations on strategies to protect values at risk.

Any thoughts?

Celine

---

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**Sent:** Monday, August 31, 2015 1:23 PM  
**To:** [Davis, Celine ENV:EX](#); [Down, Ted ENV:EX](#)  
**Cc:** [Dale, Alec R ENV:EX](#); [Kriwoken, Lynn ENV:EX](#); [Bell, Christina ENV:EX](#)  
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**Sent:** Monday, August 31, 2015 12:54 PM  
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**Cc:** [Llewellyn-Thomas, Mamie ENV:EX](#); [Young, Joanne CSNR:EX](#); [Gooderham, Coleen E ENV:EX](#); [Ito, Miwa ENV:EX](#); [Walowina, Terri ENV:EX](#); [Gilmour, Lori ENV:EX](#); [Ireland, Shannon L ENV:EX](#); [Bell, Christina ENV:EX](#); [Danks, Anthony ENV:EX](#)  
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Manager of Executive Operations

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**To:** [Davis, Celine ENV:EX](#)  
**Cc:** [Down, Ted ENV:EX](#)  
**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Date:** September 1, 2015 11:35:00 AM

---

I met with Ward about this. FLNRO has been doing some things and has some material prepared. I will forward in a few moments when it arrives.

---

**From:** Davis, Celine ENV:EX  
**Sent:** Tuesday, September 1, 2015 11:33 AM  
**To:** Tesch, David ENV:EX  
**Cc:** Down, Ted ENV:EX  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
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---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, August 31, 2015 12:54 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX  
**Cc:** Llewellyn-Thomas, Mamie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX  
**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Hi all. My apologies. Here is the attachment for you review and action.

WSB

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, August 31, 2015 12:46 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX  
**Cc:** Llewellyn-Thomas, Mamie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony



ENV:EX

**Subject:** DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter

**Importance:** High

Hi all. I think I managed to include everyone who is covering for someone else.

GCPE sent a request for an update on where the Ministry is at on MMP's mandate letter. I found the previous template and populated it with the new commitments. I also added in some placeholder information based on the holdback document sent to John Dyble's office in August. That said, I am not wedded to the language included in the document. There are still some holes that require filling (highlighted in yellow).

GCPE is looking for the update on Wednesday so response is due to DMO by Close of Business tomorrow, Tuesday, September 1<sup>st</sup>. We can go over the responses at Wednesday's MOL Executive meeting before I send them to GCPE.

Thanks all.

WSB

**W. Scott Barillaro**

Manager of Executive Operations

Deputy Minister's Office

Ministry of Environment

Office: 250-356-5763

Cell: 250-818-0292

**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and a meeting invite for Sept 30  
**Date:** September 1, 2015 11:42:00 AM

---

Thanks Ward,  
Do you have the 2 notes you mentioned on this handy?  
Regards,  
D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, September 1, 2015 11:34 AM  
**To:** Tesch, David ENV:EX  
**Subject:** FW: MM#13 and a meeting invite for Sept 30  
Dave

As we just discussed, I am looking to touch base with you on the MM#13 (for FLNRO), quoted below in point #1 my email, and the corresponding item for MOE. I have already contacted Susanna and asked for a meeting with Kaaren and my ADM to be set up. Let me know if I should be reaching out to someone else.

ward

---

**From:** Laaksonen-Craig, Susanna ENV:EX  
**Sent:** Monday, August 31, 2015 5:22 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and a meeting invite for Sept 30

Hi Ward,

I met today with Thomas about something else but we ended up talking a bit also about the mandate letter piece and its linkage to the CLP. The item is "officially" assigned for ESSPD because they are the ones who monitor snowpack etc. so it should probably be a three way discussion. Kaaren Lewis is not in this week but perhaps we could talk next week.

Re: CLP, it depends on your expectations regarding the content of the talk. At the end of September I will not be able to do a presentation that would discuss what policies and actions government is considering as all those pieces are still very much being put together for senior level discussions. I could talk about the process and where we are in it but that might not be a meaty enough topic. Let me know what you think, I am happy to try to come to the meeting but might be better to do it later.

Cheers,

Susanna

*Susanna Laaksonen-Craig, PhD  
Head, Climate Action Secretariat  
Tel. (250) 387-9456*

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, August 31, 2015 11:06 AM  
**To:** Laaksonen-Craig, Susanna ENV:EX  
**Subject:** MM#13 and a meeting invite for Sept 30

Hi Susanna.

Writing you about two items:

1. We are considering two we are going to work on the FLNR Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on*

*strategies to protect our forests from any impacts of climate change".* I understand that your Ministry Mandate letter has a similar provision with reference to working with FLNR. I want to give some consideration about how our two ministries will respond to this. I talked briefly with Thomas and the Climate change Steering committee of FLNR (CCSC) about this at our meeting last week. Thoughts.

2. I am hoping you could attend a CCSC f2f meeting for an hour or so on Sept 30 in Victoria to provide a presentation on CLP. Draft agenda attached. I am also inviting Francis Zwiers, Executive Director (PCIC) and Tom Pedersen, Executive Director, (PICS) as well. Ideal of this part of the meeting is for the members of the committee to hear from some key people from outside of FLNR working on climate change.

My cell is s.22 if you want to call to discuss either of these items.  
ward

**From:** Trotter, Ward FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** FW: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND  
**Date:** September 1, 2015 11:48:59 AM  
**Attachments:** BND-Mandate-13-v04.docx

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First version that is not moving forward at this time.

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**From:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, August 19, 2015 5:41 PM  
**To:** Trotter, Ward FLNR:EX; Davidson, Glen W FLNR:EX; Nussbaum, Albert F FLNR:EX; Maley, Madeline L FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** Re: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Thanks Ward,

Here is an updated note adding a more full version of the first appendix and addressing (in the options) the work plan / recommendations separation addressed by several. Changes are in track changes save for the appendix.

Thanks to everyone for their suggestions on this note - it has undergone several structural changes from the original request and looks much better now :)

Dennis

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** August-19-15 1:24 PM  
**To:** Davidson, Glen W FLNR:EX; Nussbaum, Albert F FLNR:EX; Maley, Madeline L FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Fw: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Comments? Back to all of us please. This or next version will go with me to meeting with tomorrow. Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)>  
**Sent:** Wednesday, August 19, 2015 12:32 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** RE: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Hi Ward,

Here is a next draft of the note. I've covered most of the questions raised on the call – save for the MLM4 comment.

Kathy will be filling out the information in the two places noted this afternoon.

s.22

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

---

**From:** Maley, Madeline L FLNR:EX  
**Sent:** Monday, August 17, 2015 8:51 AM  
**To:** Paradine, Dennis FLNR:EX; Nussbaum, Albert F FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Hi –

Attached are my comments – I think this needs a rewrite – the initial discussion is around a work plan to understand scope as well as gap analysis to get to recommendations but the options seem to go right to addressing impacts recommendations – I have not been part of the discussions so I am not sure what Dave and Tom want – I also am unclear as to why there are so many references to public engagement – I'd suggest we need stakeholder engagement to be able to achieve some of the actions (not sure what they'd be) - as well as FN both from a gathering information of what is going on on the land base as well as having FN participate in any actions as climate change will likely have impact on FN rights...

Maybe we could have a quick call this week?

My thoughts

M

**Madeline L. Maley, RPF** | Executive Director Regional Operations South  
Ministry of Forests, Lands and Natural Resource Operations  
Office: 250-828-4444 | Fax: 250-828-4154 | Cell: 250-318-8441

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Thursday, August 13, 2015 10:01 AM

**To:** Nussbaum, Albert F FLNR:EX; Trotter, Ward FLNR:EX

**Cc:** Davidson, Glen W FLNR:EX; Hopkins, Kathy L FLNR:EX; Slydell, Caroline FLNR:EX; Baril, Anita FLNR:EX; Maley, Madeline L FLNR:EX

**Subject:** RE: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Thanks Albert and Ward for the input on this note. Attached is a track changes version that addresses Albert's comments. Please let me know if the changes work.

I'll start to work on a document that lists existing Ministry initiatives (per Ward's note). This will likely be based on Kathy's previous appendix.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)

---

**From:** Nussbaum, Albert F FLNR:EX

**Sent:** Wednesday, August 12, 2015 8:35 AM

**To:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX

**Cc:** Davidson, Glen W FLNR:EX; Hopkins, Kathy L FLNR:EX; Slydell, Caroline FLNR:EX; Baril, Anita FLNR:EX; Maley, Madeline L FLNR:EX

**Subject:** RE: UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Denise and Ward

I have reviewed the Decision Note related to Ministry Mandate letter 13 and provide the following thoughts for your consideration.

We need to deliver to Mandate 13 this fiscal so we need to be very clear in what we can or will deliver by March 2016 relative to the various options. The mandate requires that we make **recommendations**, it does not speak to implementation so that should remain the focus of the DN options.

I support the a phased approach to the problem but think they need to be reworded. Option 1 should be to develop recommendations based on existing information, Option 2 is to start new work where information is not adequate to make recommendation now. Option 3 speaks to implementation and I am not sure is required. Option 4 might be nested within option 2 (b) or become option 3.

One last thought. The document could benefit from being more decisive. The word "could" does not instill a high level of confidence in our recommended pathways to deliver to mandate 13.

I am in a meeting today but will check my email on my cell if you have any questions.

Cheers Albert

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Wednesday, August 5, 2015 3:31 PM

**To:** Trotter, Ward FLNR:EX; Maley, Madeline L FLNR:EX

**Cc:** Davidson, Glen W FLNR:EX; Nussbaum, Albert F FLNR:EX; Hopkins, Kathy L FLNR:EX; Slydell, Caroline FLNR:EX; Baril, Anita FLNR:EX

**Subject:** UPDATE/FOR REVIEW Minister's Mandate Letter #13 BND

Greetings Ward and Madeline!

Kathy Hopkins and I had the opportunity to brief Dave Peterson yesterday on the scope of work questions for Minister's Mandate Letter #13 that we discussed last week (Glen was called away to brief caucus on the drought). Dave indicated that he felt comfortable answering the 'how' questions with regard to the work (see below), but wanted one of Deputy or Minister to answer the 'what' questions. Based on Dave's direction to place the work into three buckets 'where good information exists', 'gaps in information' and 'climate change impacts on First Nations communities and resource values' Kathy and I reworked the original note (attached). Given that your names are included, if you could review the note and provide comments by Tuesday August 11 it would be appreciated.

Direction on the 'how' questions:

- Dave and Tom to be executive co-leads
- Work to be led by a team of CIB, RSD and regional operations (i.e. Dennis, Ward, Madeline)
- Dave will confirm the level of MoE's involvement with Susanna Laaksonen-Craig in late August
- We are to use existing budget and a potential pressures ask to fund the work on the commitment.
- Given that it is a Mandate Letter commitment, we are likely expected to have some form of public engagement. The work is mostly internal with some external review prior to going to cabinet.
- Communication within the Ministry is a critical link that we need to make sure we bridge
- We don't need a cross-FLNR working group in addition to CCSC, CAP-CoP and other existing relationships. Once work is defined then some specific teams may be required. CCSC to continue to work in an advisory role.
- We should attempt to form linkages with the government-wide Climate Leadership Plan

Caroline/Rick/Anita – FYI on the status of the note.

Thanks,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

Page 025 to/à Page 032

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** bn  
**Date:** September 1, 2015 11:50:05 AM  
**Attachments:** BND-Mandate-13-v05.docx  
**Importance:** High

---

Here is the second BN.



**MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS**  
**DECISION NOTE**

Date: August XX, 2015

CLIFF:

**PREPARED FOR: Assistant Deputy Minister of Forests, Lands and Natural Resource Operations**

**draft**

**ISSUE: Minister's Mandate Letter: Commitment #13**

**BACKGROUND:**

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen since 1901, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's impacts is having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

**DISCUSSION:**

The Ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the Ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for some of the actions it has taken to address climate change.

To date, the ministry has initiated or completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas (e.g. forests, forest and range ecosystems, and water). In addition, the Ministry has many projects underway in 2015/16 that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current Ministry work plans, or the scope could include a gap analysis and/or incremental projects/work. An expansion of scope beyond current work plan will require additional resources.

Successful actioning of the Mandate # 13, will require that the Ministry make climate change a priority and should consider creating a Strategic Lead position to coordinate across the Ministry and the sector.

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

Page 035 to/à Page 036

Withheld pursuant to/removed as

s.13

## **Attachment 1. Examples of Current FLNRO Climate Change Adaptation Activities**

### **High Level / Strategic**

- FLNRO Climate Change Strategy (TCI/CIB)
- A high level Provincial Vulnerability Assessment (soils, wildlife, hydrology, forested and aquatic ecosystems) (funded by FFESC)
- Ministry work unit Climate Action Plans (11 of an expected 22 plans completed); implementation beginning on many; and a summary underway (TCI/CIB/all regions and divisions/branches)
- A climate change risk assessment and management baseline for MFLNRO (20 biophysical values) (TCI/CIB) (Attachment 2)
  - Phase 2 of the Risk Baseline will examine other indicators and conduct a socio-economic risk assessment (underway in FY 2015/16) (TCI/CIB)

### **Forests; forests and range ecosystems**

- Forest and range impacts and adaptation strategies: 26 research studies funded by the Future Forest Ecosystems Scientific Council of BC (RSD/RPB and others)
  - Three sub-regional assessments (Kamloops Future Forest Strategy, Nadina VA, West Kootenay resilience)
- Ecological resilience and complexity <https://www.for.gov.bc.ca/hfd/pubs/docs/Tr/Tr055.htm>
- Climate change scenarios for forest and range management. Tech. Rep. 045.
- MPB impacts on hydrology; carbon and growth responses, etc. <https://www.for.gov.bc.ca/hre/pubs/dspittle.htm>
- Climate based seed transfer scientific foundation (RSD/TIB)
- Tree species selection in a changing climate (RSD/RPB)
- Landscape level species selection (RSD/RPB)
- Policy work for climate based seed transfer is soon to be initiated (RSD/TIB)
- Regional Extension Notes (coordinated by Omineca Region)
- Economic analysis of the full costs of wildfire is underway, along with economics of proactive fire planning (IROD/WMB)
- Landscape level fire management (IROD/WMB)
- Work is underway to adapt silviculture policy and pricing to building economic pathways for stand level investment (RSD/RPB) (RSD/RPB)

### **Water**

- Compendium of Forest Hydrology and Geomorphology in British Columbia
  - Climate Change Effects on Watershed Processes in British Columbia Chapter 19 (3365 KB)
  - Weather and Climate effects on forest hydrology. Chapter 3
- Water Modernization Act (RSD/WB)
- Sea Level Rise Adaptation Primer (ENV/CAS)
- Surface Water Allocation in a Changing Climate: Data Gaps, Needs, and Priorities (Executive Summary)

## Attachment 2. FLNRO Climate Change Risk Baseline

CIB worked with contractor Forsite Consultants in fiscal year 2014/15 to complete a risk baseline “Climate Change Risk Assessment and Management Baseline for the Ministry of Forests, Lands, and Natural Resource Operations” for the values FLNR manages. This report is not finalized. A draft of the Executive Summary is included below.

This report provides FLNR with baseline information on how the ministry is currently assessing and managing climate change related risks to the natural resource values under its mandate. This information will aid in the understanding of risk exposure and how best to manage it using the Climate Action Plans being put in place by regions and program areas.

A summary of robustness the current risk assessment and risk management processes for the identified values is provided in the table below, where ratings are defined as:

- Low: Limited or no assessment / management of climate change occurring (significant gaps exist).
- Moderate: Comprehensive programs exist with limited consideration being given to climate change.
- High: Comprehensive programs exist and explicitly consider the risks posed by climate change.

### Summary of Key Findings Table

Theme	Negative Outcomes (Risks)	Assessment Robustness Rating:	Management Robustness Rating:
Timber	Reduced Yields from Regenerating Stands	High	Moderate -High
	Loss of Mature Stand Volume	Moderate - High	Moderate -High
	Loss of Productive Landbase	Low - Moderate	Low - Moderate
	Reduced Access to Mature Timber	Low	Low
	Loss or Reduction in Seed Sources (Collection Areas) for Reforestation and Genetic Stock for Tree Breeding	Moderate	Moderate
Range	Reduced Range Productivity	High	High
	Fewer Natural Range Barriers	Moderate	Moderate
	Reduced Water in Streams, Lakes and Wetlands	Moderate	Low -Moderate
Water (Domestic Use or Irrigation)	Reduced Water Quality or Quantity	Moderate – High	Moderate
Riparian Habitat	Loss of Riparian Function	Moderate	Moderate
Fish	Reduction in Abundance of Certain Species	Low - Moderate	Low - Moderate
Wildlife	Habitat Loss, Degradation or Fragmentation	Low - Moderate	Low - Moderate

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

Biodiversity	Reduction of Biodiversity	Low	Low
Air Quality	Reduced Air Quality	Moderate	High
Soils	Reduction in Soil Carbon	Moderate	Low
	Reduction in Soil Productivity	Low - Moderate	Low
Resource Features	Risk to Resource Features	Low - Moderate	Low - Moderate
Recreation	Loss of Recreation Infrastructure	Moderate	Low
	Reduced Winter Recreation Opportunities	Moderate - High	Moderate - High
Visual Quality	Reduction in Visual Quality	Low - Moderate	Low
Cultural Heritage Resources	Loss of Cultural Heritage Resources	Low	Low
Infrastructure	Loss of Infrastructure to Floods and Slides, Sea Level Rise and Interface Fires	Moderate - High	Moderate
Forest Carbon	Loss of Forest Carbon or Sequestration Capacity	Moderate - High	Moderate - High

Virtually all of the biophysical values under FLNR's mandate have monitoring programs in place that can be expected to capture negative outcomes to values as they arise (including impacts caused by climate change). However, these monitoring programs will rarely explain why the negative outcomes are occurring and do not provide a meaningful assessment of future risks that may arise from climate change. To proactively mitigate or manage these future risks, it is necessary to conduct assessments that forecast future outcomes from climate change on a given value. Reacting to changes as they occur remains an option, but will leave managers with fewer mitigation opportunities.

Assessments that forecast the future implications of climate change are occurring for several of FLNR's values but for others it is lacking or very limited in scope (e.g. access to timber, biodiversity, cultural heritage). For those values that do have detailed climate change assessments completed, there has generally been good follow through to develop mitigation programs. For example, most risks to timber, water, and air are well documented and have mitigation programs in place (or in development).

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

**From:** [Davis, Celine ENV:EX](#)  
**To:** [Danks, Anthony ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Down, Ted ENV:EX](#)  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Date:** September 1, 2015 1:22:35 PM  
**Attachments:** [150902 Ministerial Mandate Letter Commitment Tracking-DRAFT V1.docx](#)  
**Importance:** High

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Dave and I briefly talked about the item pertaining to melting glaciers. He was getting more information from FLNR to help write a response. I provided some thoughts from our end and will leave it to Ted and he to prepare a response.

Will that work for you Dave/Ted?

Thanks

Celine

---

**From:** Danks, Anthony ENV:EX  
**Sent:** Tuesday, September 1, 2015 1:20 PM  
**To:** Davis, Celine ENV:EX; Down, Ted ENV:EX  
**Cc:** Bell, Christina ENV:EX  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Anything on this? Just had a visit from Scott in the DMO wondering.....They would like to discuss at Exec tomorrow at 9 a.m.

Thanks,

A

---

**From:** Danks, Anthony ENV:EX  
**Sent:** Monday, August 31, 2015 1:23 PM  
**To:** Davis, Celine ENV:EX; Down, Ted ENV:EX  
**Cc:** Dale, Alec R ENV:EX; Kriwoken, Lynn ENV:EX; [Christina.Bell@gov.bc.ca](mailto:Christina.Bell@gov.bc.ca)  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Ted and Celine:

Could you please complete your respective sections and return to me.

Thanks,

Anthony

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, August 31, 2015 12:54 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX  
**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
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WSB

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**Sent:** Monday, August 31, 2015 12:46 PM

**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX

**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX

**Subject:** DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter

**Importance:** High

Hi all. I think I managed to include everyone who is covering for someone else.

GCPE sent a request for an update on where the Ministry is at on MMP's mandate letter. I found the previous template and populated it with the new commitments. I also added in some placeholder information based on the holdback document sent to John Dyble's office in August. That said, I am not wedded to the language included in the document. There are still some holes that require filling (highlighted in yellow).

GCPE is looking for the update on Wednesday so response is due to DMO by Close of Business

tomorrow, Tuesday, September 1<sup>st</sup>. We can go over the responses at Wednesday's MOE Executive meeting before I send them to GCPE.

Thanks all.

WSB

**W. Scott Barillaro**

Manager of Executive Operations

Deputy Minister's Office

Ministry of Environment

Office: 250-356-5763

Cell: 250-818-0292



**2015/16 Ministerial Mandate Letter Commitment Update: September 2, 2016**

Initiative	Previous	Current	Latest Comments
Balance your ministerial budget in order to control spending and achieve an overall balanced budget for the province of British Columbia.	N/A	Ongoing	<ul style="list-style-type: none"> <li>• ENV and EAO budgets for 2015/16 are being allocated.</li> <li>• Fiscal controls in place to track progress and adjust expenditures if required.</li> </ul>
Work with Emergency Management British Columbia and federal government agencies to review and make recommendations to Cabinet ways to improve oil spill safety and response following the Simushir power failure on the North Coast and Marathassa bunker fuel spill in English Bay.	New	Ongoing	<ul style="list-style-type: none"> <li>• Provided provincial input to Canadian Coast Guard review of Marathassa spill in July 2015.</li> <li>• Committed to participate in the Haida-led Simushir Lessons Learned and Places of Refuge workshops in Haida Gwaii with Transport Canada, Canadian Coast Guard and federal Major Projects Office West.</li> </ul>
Work with the members of the Climate Leadership Team and develop options for Cabinet on how to move forward with our new Climate Leadership Plan, the BC government's next generation of climate policy leadership.	New	Ongoing	<ul style="list-style-type: none"> <li>• Prepared and released a discussion paper on Government's future climate policy for public on July 17, 2015. Public consultation period on the paper extended to September 15, 2015.</li> <li>• Public consultation will contribute to the development of the Province's draft Climate Leadership Plan later in Fall 2015.</li> </ul>
With Premier's Office, prepare for and position British Columbia to make a meaningful contribution prior to attending the United Nations Climate Change Conference COP 21 in Paris this winter.	New	Ongoing	<ul style="list-style-type: none"> <li>• CAS to complete.</li> </ul>
Working the Ministry of Forests, Lands and Natural Resource Operations, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change.	New	Ongoing	<ul style="list-style-type: none"> <li>• ESSPD to complete.</li> </ul>

Work with the Ministry of Energy and Mines and Ministry of Forests, Lands and Natural Resource Operations to provide options to Cabinet on a wildlife access corridor in southeast British Columbia.	New	Ongoing	<ul style="list-style-type: none"> <li>• ESSPD to complete.</li> </ul>
Complete land-based heavy oil spill response studies and consultations and make recommendations to Cabinet on how to ensure our spill response regime requirements are consistent with the Premier's Five Conditions for Heavy Oil Consideration.	New	Ongoing	<ul style="list-style-type: none"> <li>• Established Land-Based Spill Response Project Team.</li> <li>• Established Land-Based Spill Response Project Board.</li> <li>• Scheduled stakeholder engagement sessions with the Canadian Association of Petroleum Producers and the Canadian Energy Pipeline Association in mid-September 2015.</li> </ul>
Monitor the progress and participate in the Kinder Morgan Trans Mountain Pipeline expansion environmental review conducted by the federal National Energy Board.	New	Ongoing	<ul style="list-style-type: none"> <li>• EAO provided oversight and management of British Columbia's participation as an intervenor at the National Energy Board (NEB) Hearings. This included reviewing information requests made by participants and other intervenors as well as providing instruction to legal counsel on provincial responses.</li> <li>• Working with government staff and legal counsel to prepare the Province's final arguments for the NEB hearings.</li> </ul>
6. Work with Parliamentary Secretary Jordan Sturdy and his Roundtable on the Environment and Economy to promote environmentally responsible economic development in British Columbia.	Ongoing	Ongoing	<ul style="list-style-type: none"> <li>• Ministry committed to seek input from the Roundtable on the draft Land-Based Spill Response Regime and Draft Climate Leadership Plan during 2015/16 fiscal year.</li> <li>• Ministry staff will support a mid-term Roundtable Performance Review during the 2015/16 fiscal year.</li> <li>• Ministry staff will participate in the next Roundtable meeting scheduled for September 16, 2015.</li> </ul>

**From:** [Tesch, David ENV:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: MM#13 and a meeting invite for Sept 30  
**Date:** September 1, 2015 2:33:00 PM

---

Thanks Ward.

From ESSPD, it would be good to have Kaaren, Lynn Kriwoken and myself there to meet with you and CAS

Regards,

D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, September 1, 2015 11:34 AM  
**To:** Tesch, David ENV:EX  
**Subject:** FW: MM#13 and a meeting invite for Sept 30

Dave

As we just discussed, I am looking to touch base with you on the MM#13 (for FLNRO), quoted below in point #1 my email, and the corresponding item for MOE. I have already contacted Susanna and asked for a meeting with Kaaren and my ADM to be set up. Let me know if I should be reaching out to someone else.

ward

---

**From:** Laaksonen-Craig, Susanna ENV:EX  
**Sent:** Monday, August 31, 2015 5:22 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and a meeting invite for Sept 30

Hi Ward,

I met today with Thomas about something else but we ended up talking a bit also about the mandate letter piece and its linkage to the CLP. The item is "officially" assigned for ESSPD because they are the ones who monitor snowpack etc. so it should probably be a three way discussion.

Kaaren Lewis is not in this week but perhaps we could talk next week.

Re: CLP, it depends on your expectations regarding the content of the talk. At the end of September I will not be able to do a presentation that would discuss what policies and actions government is considering as all those pieces are still very much being put together for senior level discussions. I could talk about the process and where we are in it but that might not be a meaty enough topic. Let me know what you think, I am happy to try to come to the meeting but might be better to do it later.

Cheers,

Susanna

*Susanna Laaksonen-Craig, PhD*

*Head, Climate Action Secretariat*

*Tel. (250) 387-9456*

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**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, August 31, 2015 11:06 AM  
**To:** Laaksonen-Craig, Susanna ENV:EX  
**Subject:** MM#13 and a meeting invite for Sept 30

Hi Susanna.

Writing you about two items:

1. We are considering two we are going to work on the FLNR Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks*"

*and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change".* I understand that your Ministry Mandate letter has a similar provision with reference to working with FLNR. I want to give some consideration about how our two ministries will respond to this. I talked briefly with Thomas and the Climate change Steering committee of FLNR (CCSC) about this at our meeting last week. Thoughts.

2. I am hoping you could attend a CCSC f2f meeting for an hour or so on Sept 30 in Victoria to provide a presentation on CLP. Draft agenda attached. I am also inviting Francis Zwiers, Executive Director (PCIC) and Tom Pedersen, Executive Director, (PICS) as well. Ideal of this part of the meeting is for the members of the committee to hear from some key people from outside of FLNR working on climate change.

My cell is s.22 if you want to call to discuss either of these items.

ward

**From:** Tesch, David ENV:EX  
**To:** Davis, Celine ENV:EX  
**Subject:** Minister's Mandate Letter Actions  
**Date:** September 1, 2015 2:37:00 PM  
**Attachments:** BND-Mandate-13-v05.docx  
**Importance:** High

---

Hi Celine,  
Here is the BN that FLNRO has been working on.  
I'll review and update our tracking table actions for Anthony.  
Regards,  
D.

**MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS**  
**DECISION NOTE**

Date: August XX, 2015

CLIFF:

**PREPARED FOR: Assistant Deputy Minister of Forests, Lands and Natural Resource Operations**

**draft**

**ISSUE: Minister's Mandate Letter: Commitment #13**

**BACKGROUND:**

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen since 1901, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's impacts is having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

**DISCUSSION:**

The Ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the Ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for some of the actions it has taken to address climate change.

To date, the ministry has initiated or completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas (e.g. forests, forest and range ecosystems, and water). In addition, the Ministry has many projects underway in 2015/16 that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current Ministry work plans, or the scope could include a gap analysis and/or incremental projects/work. An expansion of scope beyond current work plan will require additional resources.

Successful actioning of the Mandate # 13, will require that the Ministry make climate change a priority and should consider creating a Strategic Lead position to coordinate across the Ministry and the sector.

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

Page 049 to/à Page 050

Withheld pursuant to/removed as

s.13

## **Attachment 1. Examples of Current FLNRO Climate Change Adaptation Activities**

### **High Level / Strategic**

- FLNRO Climate Change Strategy (TCI/CIB)
- A high level Provincial Vulnerability Assessment (soils, wildlife, hydrology, forested and aquatic ecosystems) (funded by FFESC)
- Ministry work unit Climate Action Plans (11 of an expected 22 plans completed); implementation beginning on many; and a summary underway (TCI/CIB/all regions and divisions/branches)
- A climate change risk assessment and management baseline for MFLNRO (20 biophysical values) (TCI/CIB) (Attachment 2)
  - Phase 2 of the Risk Baseline will examine other indicators and conduct a socio-economic risk assessment (underway in FY 2015/16) (TCI/CIB)

### **Forests; forests and range ecosystems**

- Forest and range impacts and adaptation strategies: 26 research studies funded by the Future Forest Ecosystems Scientific Council of BC (RSD/RPB and others)
  - Three sub-regional assessments (Kamloops Future Forest Strategy, Nadina VA, West Kootenay resilience)
- Ecological resilience and complexity <https://www.for.gov.bc.ca/hfd/pubs/docs/Tr/Tr055.htm>
- Climate change scenarios for forest and range management. Tech. Rep. 045.
- MPB impacts on hydrology; carbon and growth responses, etc. <https://www.for.gov.bc.ca/hre/pubs/dspittle.htm>
- Climate based seed transfer scientific foundation (RSD/TIB)
- Tree species selection in a changing climate (RSD/RPB)
- Landscape level species selection (RSD/RPB)
- Policy work for climate based seed transfer is soon to be initiated (RSD/TIB)
- Regional Extension Notes (coordinated by Omineca Region)
- Economic analysis of the full costs of wildfire is underway, along with economics of proactive fire planning (IROD/WMB)
- Landscape level fire management (IROD/WMB)
- Work is underway to adapt silviculture policy and pricing to building economic pathways for stand level investment (RSD/RPB) (RSD/RPB)

### **Water**

- Compendium of Forest Hydrology and Geomorphology in British Columbia
  - Climate Change Effects on Watershed Processes in British Columbia Chapter 19 (3365 KB)
  - Weather and Climate effects on forest hydrology. Chapter 3
- Water Modernization Act (RSD/WB)
- Sea Level Rise Adaptation Primer (ENV/CAS)
- Surface Water Allocation in a Changing Climate: Data Gaps, Needs, and Priorities (Executive Summary)

For discussion at the August 26 CCSC meeting ----- Not for further Distribution



## Attachment 2. FLNRO Climate Change Risk Baseline

CIB worked with contractor Forsite Consultants in fiscal year 2014/15 to complete a risk baseline “Climate Change Risk Assessment and Management Baseline for the Ministry of Forests, Lands, and Natural Resource Operations” for the values FLNR manages. This report is not finalized. A draft of the Executive Summary is included below.

This report provides FLNR with baseline information on how the ministry is currently assessing and managing climate change related risks to the natural resource values under its mandate. This information will aid in the understanding of risk exposure and how best to manage it using the Climate Action Plans being put in place by regions and program areas.

A summary of robustness the current risk assessment and risk management processes for the identified values is provided in the table below, where ratings are defined as:

- Low: Limited or no assessment / management of climate change occurring (significant gaps exist).
- Moderate: Comprehensive programs exist with limited consideration being given to climate change.
- High: Comprehensive programs exist and explicitly consider the risks posed by climate change.

### Summary of Key Findings Table

Theme	Negative Outcomes (Risks)	Assessment Robustness Rating:	Management Robustness Rating:
Timber	Reduced Yields from Regenerating Stands	High	Moderate -High
	Loss of Mature Stand Volume	Moderate - High	Moderate -High
	Loss of Productive Landbase	Low - Moderate	Low - Moderate
	Reduced Access to Mature Timber	Low	Low
	Loss or Reduction in Seed Sources (Collection Areas) for Reforestation and Genetic Stock for Tree Breeding	Moderate	Moderate
Range	Reduced Range Productivity	High	High
	Fewer Natural Range Barriers	Moderate	Moderate
	Reduced Water in Streams, Lakes and Wetlands	Moderate	Low -Moderate
Water (Domestic Use or Irrigation)	Reduced Water Quality or Quantity	Moderate – High	Moderate
Riparian Habitat	Loss of Riparian Function	Moderate	Moderate
Fish	Reduction in Abundance of Certain Species	Low - Moderate	Low - Moderate
Wildlife	Habitat Loss, Degradation or Fragmentation	Low - Moderate	Low - Moderate

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

Biodiversity	Reduction of Biodiversity	Low	Low
Air Quality	Reduced Air Quality	Moderate	High
Soils	Reduction in Soil Carbon	Moderate	Low
	Reduction in Soil Productivity	Low - Moderate	Low
Resource Features	Risk to Resource Features	Low - Moderate	Low - Moderate
Recreation	Loss of Recreation Infrastructure	Moderate	Low
	Reduced Winter Recreation Opportunities	Moderate - High	Moderate - High
Visual Quality	Reduction in Visual Quality	Low - Moderate	Low
Cultural Heritage Resources	Loss of Cultural Heritage Resources	Low	Low
Infrastructure	Loss of Infrastructure to Floods and Slides, Sea Level Rise and Interface Fires	Moderate - High	Moderate
Forest Carbon	Loss of Forest Carbon or Sequestration Capacity	Moderate - High	Moderate - High

Virtually all of the biophysical values under FLNR's mandate have monitoring programs in place that can be expected to capture negative outcomes to values as they arise (including impacts caused by climate change). However, these monitoring programs will rarely explain why the negative outcomes are occurring and do not provide a meaningful assessment of future risks that may arise from climate change. To proactively mitigate or manage these future risks, it is necessary to conduct assessments that forecast future outcomes from climate change on a given value. Reacting to changes as they occur remains an option, but will leave managers with fewer mitigation opportunities.

Assessments that forecast the future implications of climate change are occurring for several of FLNR's values but for others it is lacking or very limited in scope (e.g. access to timber, biodiversity, cultural heritage). For those values that do have detailed climate change assessments completed, there has generally been good follow through to develop mitigation programs. For example, most risks to timber, water, and air are well documented and have mitigation programs in place (or in development).

For discussion at the August 26 CCSC meeting ----- Not for further Distribution

**From:** [Davis, Celine ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: Minister's Mandate Letter Actions  
**Date:** September 1, 2015 3:06:52 PM

---

Agreed, just wanted to keep it in mind for future reference.

Celine Davis/ Manager Watershed Science

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**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, September 1, 2015 3:00 PM  
**To:** Davis, Celine ENV:EX  
**Subject:** RE: Minister's Mandate Letter Actions

---

We are doing this as well with respect to climate related networks.  
We should be messaging more our shared divisional activities rather than just our branches.

---

**From:** Davis, Celine ENV:EX  
**Sent:** Tuesday, September 1, 2015 2:55 PM  
**To:** Tesch, David ENV:EX  
**Subject:** Re: Minister's Mandate Letter Actions

One additional thought, our branch is working on identifying water related projects for inclusion in the Climate Action Plan. These projects touch on gaps in terms of our knowledge on water related climate effects and potential mitigation strategies.

Celine Davis/ Manager Watershed Science

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, September 1, 2015 2:37 PM  
**To:** Davis, Celine ENV:EX  
**Subject:** Minister's Mandate Letter Actions

Hi Celine,  
Here is the BN that FLNRO has been working on.  
I'll review and update our tracking table actions for Anthony.  
Regards,  
D.

**From:** [Davis, Celine ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Kriwoken, Lynn ENV:EX](#)  
**Subject:** Re: Minister's Mandate Letter Actions  
**Date:** September 1, 2015 3:07:21 PM

---

Sounds good.

Celine Davis/ Manager Watershed Science

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, September 1, 2015 2:57 PM  
**To:** Davis, Celine ENV:EX  
**Cc:** Kriwoken, Lynn ENV:EX  
**Subject:** RE: Minister's Mandate Letter Actions

---

This BN is still draft, so the defined actions moving forward have not solidified. It just provides good background for us as to what FLNRO's thoughts are at the moment. As well, there is still some discussion on the FLNRO side as to who is leading this on their end. There is reference to assigning a strategic lead to this mandate item, but so far that has not happened (could be Ward, could be Dave Peterson, could be someone else).

So my thoughts are perhaps to not get too specific and or reference too closely the BN actions just yet. I liked the general statement you had from Robin, and I added a couple of things that I know (from Ward) are in the works. Here is what I have:

- FLNRO Staff clarified scope of original mandate item to confirm that climate change impacts are in scope.
- FLNRO, CAS and ESSPD strategic leaders to meet in mid-September to discuss possible actions and the connections to CLP activities.
- ESSPD staff will assist FLNRO in developing a strategy to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC. This information can be used by FLNRO staff to make recommendations on strategies to protect values at risk.

**From:** Davis, Celine ENV:EX  
**Sent:** Tuesday, September 1, 2015 2:47 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Kriwoken, Lynn ENV:EX  
**Subject:** Re: Minister's Mandate Letter Actions

Thanks for the info. Based on this note and focusing on option 2, WPS would play a role in supporting the FLNR lead in conducting the gap analysis for water. Is this what you are thinking in terms of a response?

Celine Davis/ Manager Watershed Science

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**From:** Tesch, David ENV:EX

**Sent:** Tuesday, September 1, 2015 2:37 PM

**To:** Davis, Celine ENV:EX

**Subject:** Minister's Mandate Letter Actions

Hi Celine,

Here is the BN that FLNRO has been working on.

I'll review and update our tracking table actions for Anthony.

Regards,

D.

**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** ENV Actions for Minister Mandate Letter  
**Date:** September 1, 2015 3:08:00 PM  
**Importance:** High

---

Hi Ward,

As we talked about earlier today, I have to provide an update on current actions with respect to "snowpacks and retreating glaciers on the forests of BC...."

Here are the bullets I've put together:

- FLNRO Staff clarified scope of original mandate item to confirm that climate change impacts are in scope.
- FLNRO, CAS and ESSPD strategic leaders to meet in mid-September to discuss possible actions and the connections to CLP activities.
- ESSPD staff will assist FLNRO in developing a strategy to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC. This information can be used by FLNRO staff to make recommendations on strategies to protect values at risk.

Just running these past you to see if these make sense to you.

Regards,

D.

**From:** [Tesch, David ENV:EX](#)  
**To:** [Davis, Celine ENV:EX](#); [Danks, Anthony ENV:EX](#)  
**Cc:** [Down, Ted ENV:EX](#)  
**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Date:** September 1, 2015 3:31:00 PM  
**Attachments:** [150902 Ministerial Mandate Letter Commitment Tracking-DRAFT-WSPB-KMB-edits.docx](#)

---

Hi Anthony,

Here is the edit from WSPB and KMB for the "snowpack/glacier/forestry" item in the action table.

Regards,

D.

---

**From:** Davis, Celine ENV:EX  
**Sent:** Tuesday, September 1, 2015 1:23 PM  
**To:** Danks, Anthony ENV:EX  
**Cc:** Tesch, David ENV:EX; Down, Ted ENV:EX  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Dave and I briefly talked about the item pertaining to melting glaciers. He was getting more information from FLNR to help write a response. I provided some thoughts from our end and will leave it to Ted and he to prepare a response.

Will that work for you Dave/Ted?

Thanks

Celine

---

**From:** Danks, Anthony ENV:EX  
**Sent:** Tuesday, September 1, 2015 1:20 PM  
**To:** Davis, Celine ENV:EX; Down, Ted ENV:EX  
**Cc:** Bell, Christina ENV:EX  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Anything on this? Just had a visit from Scott in the DMO wondering.....They would like to discuss at Exec tomorrow at 9 a.m.

Thanks,

A

---

**From:** Danks, Anthony ENV:EX  
**Sent:** Monday, August 31, 2015 1:23 PM  
**To:** Davis, Celine ENV:EX; Down, Ted ENV:EX  
**Cc:** Dale, Alec R ENV:EX; Kriwoken, Lynn ENV:EX; [Christina.Bell@gov.bc.ca](mailto:Christina.Bell@gov.bc.ca)  
**Subject:** FW: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)  
**Importance:** High

Ted and Celine:

Could you please complete your respective sections and return to me.

Thanks,

Anthony

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, August 31, 2015 12:54 PM  
**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX



**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX

**Subject:** RE: DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter (with Attachment)

**Importance:** High

Hi all. My apologies. Here is the attachment for you review and action.

WSB

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**From:** Barillaro, Scott W ENV:EX

**Sent:** Monday, August 31, 2015 12:46 PM

**To:** Crozier, Bev ENV:EX; Jardine, Kevin EAO:EX; Laaksonen-Craig, Susanna ENV:EX; Lord, Michael CSNR:EX; Shoemaker, Wes ENV:EX; Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lord, Michael CSNR:EX

**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Young, Joanne CSNR:EX; Gooderham, Coleen E ENV:EX; Ito, Miwa ENV:EX; Walowina, Terri ENV:EX; Gilmour, Lori ENV:EX; Ireland, Shannon L ENV:EX; Bell, Christina ENV:EX; Danks, Anthony ENV:EX

**Subject:** DUE TOMORROW COB: Updated Actions Related to Ministerial Mandate Letter

**Importance:** High

Hi all. I think I managed to include everyone who is covering for someone else.

GCPE sent a request for an update on where the Ministry is at on MMP's mandate letter. I found the previous template and populated it with the new commitments. I also added in some placeholder information based on the holdback document sent to John Dyble's office in August. That said, I am not wedded to the language included in the document. There are still some holes that require filling (highlighted in yellow).

GCPE is looking for the update on Wednesday so response is due to DMO by Close of Business tomorrow, Tuesday, September 1<sup>st</sup>. We can go over the responses at Wednesday's MOE Executive meeting before I send them to GCPE.

Thanks all.

WSB

## **W. Scott Barillaro**

Manager of Executive Operations

Deputy Minister's Office

Ministry of Environment

Office: 250-356-5763

Cell: 250-818-0292

**2015/16 Ministerial Mandate Letter Commitment Update: September 2, 2016**

<b>Initiative</b>	<b>Previous</b>	<b>Current</b>	<b>Latest Comments</b>
Balance your ministerial budget in order to control spending and achieve an overall balanced budget for the province of British Columbia.	N/A	Ongoing	<ul style="list-style-type: none"> <li>• ENV and EAO budgets for 2015/16 are being allocated.</li> <li>• Fiscal controls in place to track progress and adjust expenditures if required.</li> </ul>
Work with Emergency Management British Columbia and federal government agencies to review and make recommendations to Cabinet ways to improve oil spill safety and response following the Simushir power failure on the North Coast and Marathassa bunker fuel spill in English Bay.	New	Ongoing	<ul style="list-style-type: none"> <li>• Provided provincial input to Canadian Coast Guard review of Marathassa spill in July 2015.</li> <li>• Committed to participate in the Haida-led Simushir Lessons Learned and Places of Refuge workshops in Haida Gwaii with Transport Canada, Canadian Coast Guard and federal Major Projects Office West.</li> </ul>
Work with the members of the Climate Leadership Team and develop options for Cabinet on how to move forward with our new Climate Leadership Plan, the BC government's next generation of climate policy leadership.	New	Ongoing	<ul style="list-style-type: none"> <li>• Prepared and released a discussion paper on Government's future climate policy for public on July 17, 2015. Public consultation period on the paper extended to September 15, 2015.</li> <li>• Public consultation will contribute to the development of the Province's draft Climate Leadership Plan later in Fall 2015.</li> </ul>
With Premier's Office, prepare for and position British Columbia to make a meaningful contribution prior to attending the United Nations Climate Change Conference COP 21 in Paris this winter.	New	Ongoing	<ul style="list-style-type: none"> <li>• CAS to complete.</li> </ul>

Working the Ministry of Forests, Lands and Natural Resource Operations, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change.	New	Ongoing	<ul style="list-style-type: none"> <li>• FLNRO Staff clarified scope of original mandate item to confirm that climate change impacts are in scope.</li> <li>• FLNRO, CAS and ESSPD strategic leaders to meet in mid-September to discuss possible actions and the connections to CLP activities.</li> <li>• ESSPD staff will assist FLNRO in developing a strategy to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC. This information can be used by FLNRO staff to make recommendations on strategies to protect values at risk.</li> </ul>
Work with the Ministry of Energy and Mines and Ministry of Forests, Lands and Natural Resource Operations to provide options to Cabinet on a wildlife access corridor in southeast British Columbia.	New	Ongoing	<ul style="list-style-type: none"> <li>• ESSPD to complete.</li> </ul>
Complete land-based heavy oil spill response studies and consultations and make recommendations to Cabinet on how to ensure our spill response regime requirements are consistent with the Premier's Five Conditions for Heavy Oil Consideration.	New	Ongoing	<ul style="list-style-type: none"> <li>• Established Land-Based Spill Response Project Team.</li> <li>• Established Land-Based Spill Response Project Board.</li> <li>• Scheduled stakeholder engagement sessions with the Canadian Association of Petroleum Producers and the Canadian Energy Pipeline Association in mid-September 2015.</li> </ul>

Monitor the progress and participate in the Kinder Morgan Trans Mountain Pipeline expansion environmental review conducted by the federal National Energy Board.	New	Ongoing	<ul style="list-style-type: none"> <li>EAO provided oversight and management of British Columbia's participation as an intervenor at the National Energy Board (NEB) Hearings. This included reviewing information requests made by participants and other intervenors as well as providing instruction to legal counsel on provincial responses.</li> <li>Working with government staff and legal counsel to prepare the Province's final arguments for the NEB hearings.</li> </ul>
6. Work with Parliamentary Secretary Jordan Sturdy and his Roundtable on the Environment and Economy to promote environmentally responsible economic development in British Columbia.	Ongoing	Ongoing	<ul style="list-style-type: none"> <li>Ministry committed to seek input from the Roundtable on the draft Land-Based Spill Response Regime and Draft Climate Leadership Plan during 2015/16 fiscal year.</li> <li>Ministry staff will support a mid-term Roundtable Performance Review during the 2015/16 fiscal year.</li> <li>Ministry staff will participate in the next Roundtable meeting scheduled for September 16, 2015.</li> </ul>

**From:** Trotter, Ward FLNR:EX  
**To:** Ethier, Tom FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX;  
Kriwoken, Lynn ENV:EX  
**Subject:** FLNR and MOE Minister Mandate letters on climate change

---

Purpose of the meeting is to discuss MOE and FLNR MM assignments on melting glaciers and impact on forests along with linkage to the CLP. Idea is to come away with an agreed upon understanding of how we will work together to deliver assignment.

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: ENV Actions for Minister Mandate Letter  
**Date:** September 2, 2015 8:29:26 AM

---

Dave looks good I made suggestions to the last bullet.  
ward

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, September 1, 2015 3:08 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** ENV Actions for Minister Mandate Letter  
**Importance:** High

Hi Ward,

As we talked about earlier today, I have to provide an update on current actions with respect to "snowpacks and retreating glaciers on the forests of BC...."

Here are the bullets I've put together:

- FLNRO Staff clarified scope of original mandate item to confirm that climate change impacts are in scope.
- FLNRO, CAS and ESSPD strategic leaders to meet in mid-September to discuss possible actions and the connections to CLP activities.
- ESSPD staff will work with FLNRO to analyze impact on forests ecosystems and associated watersheds resulting from snow and glacial climate related changes in BC. This information can be used by FLNRO staff to make recommendations on strategies to protect values from climate change.

Just running these past you to see if these make sense to you.

Regards,

D.

**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** Accepted: FLNR and MOE Minister Mandate letters on climate change

---

**From:** Trotter, Ward FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** FW: BND 216647 (3)  
**Date:** October 7, 2015 10:08:36 AM  
**Attachments:** BND 216647 (3).docx

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fyi



**MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
DECISION NOTE**

Date: August 31, 2015  
CLIFF: 216647

**PREPARED FOR: Tom Ethier, Assistant Deputy Minister, Resource Stewardship Division  
and Dave Peterson, Assistant Deputy Minister Tenures, Competitiveness  
and Innovation Division**

**ISSUE: Minister's Mandate Letter: Commitment #13**

**BACKGROUND:**

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen in a hundred years, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's drought impacts are having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

On September 11, Executive from the Ministry of Forests, Lands and Natural Resource Operations (FLNR) and Ministry of Environment (MOE) (Tom Ethier, Susanna Laaksonen-Craig, and Kaaren Lewis) discussed how their ministries will work together and coordinate the mandate letter commitment.

**DISCUSSION:**

The ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for actions it has taken to address climate change in recent years.

To date, FLNR has initiated and completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas, such as forests, forest and range ecosystems, and water.

In 2015/16, FLNR has many projects that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas. FLNR is in contact with MOE staff regarding the work on Mandate#13.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current ministry work plans, or the scope could include a gap analysis and/or incremental

projects/work. An expansion of scope beyond current work plans would require additional resources.

While water/drought related climate change work is a priority, existing work pressures to develop regulations and implement the Water Sustainability Act mean that capacity to take on additional work related specifically to water, this year is limited. Existing knowledge from water staff and information from other related projects/work currently built into Ministry's work plans will be used to fulfil the mandate letter commitment.

~~While water/drought related climate change work is a priority, existing work pressures to develop regulations and implement the *Water Sustainability Act* mean that capacity to take on new work this year is limited. Existing knowledge will be used to fulfil the mandate letter commitment.~~

**OPTIONS:**

s.13

s.13

**RECOMMENDATION:**

s.13

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**Attachments**

- 1. Examples of Current FLNR Adaptation Activities**
- 2. FLNR Climate Change Risk Baseline**

Approved / Not Approved	Signature	Date
	Dave Peterson, Assistant Deputy Minister Tenures, Competitiveness & Innovation Division	

Approved / Not Approved	Signature	Date
	Tom Ethier, Assistant Deputy Minister Resource Stewardship Division	

**Contact:**

*ADM: Dave Peterson  
Tenures, Competitiveness  
and Innovation  
Phone: 250.387.1057*

**Alternate Contact:**

*Peter Jacobsen  
Competitiveness and Innovation  
Branch  
Phone: 250-387-8643*

**Prepared by:**

*Dennis Paradine  
Competitiveness and  
Innovation Branch  
Phone: 250-356-6230*

Reviewed by	Initials	Date
ED-RS		
ED-TCI		
Dir./Mgr.		
Author	DP	

## Attachment 1. Examples of Current FLNR Climate Change Adaptation Activities

### High Level / Strategic

- FLNR Climate Change Strategy (TCI/CIB).
- A high level Provincial Vulnerability Assessment (soils, wildlife, hydrology, forested and aquatic ecosystems) (funded by FFESC).
- Ministry work unit Climate Action Plans (11 of an expected 22 plans completed); implementation beginning on many; and a summary underway (TCI/CIB/all regions and divisions/branches).
- A climate change risk assessment and management baseline for MFLNRO (20 biophysical values) (TCI/CIB) (Attachment 2)
  - Phase 2 of the Risk Baseline will examine other indicators and conduct a socio-economic risk assessment (underway in FY 2015/16) (TCI/CIB).

### Forests: forests and range ecosystems

- Forest and range impacts and adaptation strategies: 26 research studies funded by the Future Forest Ecosystems Scientific Council of BC (RSD/RPB and others)
  - Three sub-regional assessments (Kamloops Future Forest Strategy, Nadina VA, West Kootenay resilience).
- Ecological resilience and complexity <https://www.for.gov.bc.ca/hfd/pubs/docs/Tr/Tr055.htm>
- Climate change scenarios for forest and range management. Tech. Rep. 045.
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- Tree species selection in a changing climate (RSD/RPB).
- Landscape level species selection (RSD/RPB).
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- Landscape level fire management (IROD/WMB).
- Work is underway to adapt silviculture policy and pricing to building economic pathways for stand level investment (RSD/RPB) (RSD/RPB).

### Water

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  - Climate Change Effects on Watershed Processes in British Columbia Chapter 19 (3365 KB)
  - Weather and Climate effects on forest hydrology. Chapter 3.
- Water Modernization Act (RSD/WB).
- Sea Level Rise Adaptation Primer (ENV/CAS).
- Surface Water Allocation in a Changing Climate: Data Gaps, Needs, and Priorities (Executive Summary).

## Attachment 2. FLNR Climate Change Risk Baseline

CIB worked with contractor Forsite Consultants in fiscal year 2014/15 to complete a risk baseline “Climate Change Risk Assessment and Management Baseline for the Ministry of Forests, Lands and Natural Resource Operations” for the values FLNR manages. This report is not finalized. A draft of the Executive Summary is included below.

This report provides FLNR with baseline information on how the ministry is currently assessing and managing climate change related risks to the natural resource values under its mandate. This information will aid in the understanding of risk exposure and how best to manage it using the Climate Action Plans being put in place by regions and program areas.

A summary of robustness the current risk assessment and risk management processes for the identified values is provided in the table below, where ratings are defined as:

- Low: Limited or no assessment / management of climate change occurring (significant gaps exist).
- Moderate: Comprehensive programs exist with limited consideration being given to climate change.
- High: Comprehensive programs exist and explicitly consider the risks posed by climate change.

### Summary of Key Findings Table

Theme	Negative Outcomes (Risks)	Assessment Robustness Rating:	Management Robustness Rating:
Timber	Reduced Yields from Regenerating Stands	High	Moderate -High
	Loss of Mature Stand Volume	Moderate - High	Moderate -High
	Loss of Productive Landbase	Low - Moderate	Low - Moderate
	Reduced Access to Mature Timber	Low	Low
	Loss or Reduction in Seed Sources (Collection Areas) for Reforestation and Genetic Stock for Tree Breeding	Moderate	Moderate
Range	Reduced Range Productivity	High	High
	Fewer Natural Range Barriers	Moderate	Moderate
	Reduced Water in Streams, Lakes and Wetlands	Moderate	Low -Moderate
Water (Domestic Use or Irrigation)	Reduced Water Quality or Quantity	Moderate – High	Moderate
Riparian Habitat	Loss of Riparian Function	Moderate	Moderate
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Wildlife	Habitat Loss, Degradation or Fragmentation	Low - Moderate	Low - Moderate
Biodiversity	Reduction of Biodiversity	Low	Low

Air Quality	Reduced Air Quality	Moderate	High
Soils	Reduction in Soil Carbon	Moderate	Low
	Reduction in Soil Productivity	Low - Moderate	Low
Resource Features	Risk to Resource Features	Low - Moderate	Low - Moderate
Recreation	Loss of Recreation Infrastructure	Moderate	Low
	Reduced Winter Recreation Opportunities	Moderate - High	Moderate - High
Visual Quality	Reduction in Visual Quality	Low - Moderate	Low
Cultural Heritage Resources	Loss of Cultural Heritage Resources	Low	Low
Infrastructure	Loss of Infrastructure to Floods and Slides, Sea Level Rise and Interface Fires	Moderate - High	Moderate
Forest Carbon	Loss of Forest Carbon or Sequestration Capacity	Moderate - High	Moderate - High

Virtually all of the biophysical values under FLNR's mandate have monitoring programs in place that can be expected to capture negative outcomes to values as they arise (including impacts caused by climate change). However, these monitoring programs will rarely explain why the negative outcomes are occurring and do not provide a meaningful assessment of future risks that may arise from climate change. To proactively mitigate or manage these future risks, it is necessary to conduct assessments that forecast future outcomes from climate change on a given value. Reacting to changes as they occur remains an option, but will leave managers with fewer mitigation opportunities.

Assessments that forecast the future implications of climate change are occurring for several of FLNR's values but for others it is lacking or very limited in scope (e.g. access to timber, biodiversity, cultural heritage). For those values that do have detailed climate change assessments completed, there has generally been good follow through to develop mitigation programs. For example, most risks to timber, water, and air are well documented and have mitigation programs in place (or in development).

**From:** [Hopkins, Kathy L FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Rudson, Alan FLNR:EX](#)  
**Subject:** Input requested: FLNR Mandate 13 draft workplan & resources  
**Date:** November 6, 2015 3:43:35 PM  
**Attachments:** [Mandate#13-Signed BND.pdf](#)  
[Mandate 13 Workplan v03.docx](#)  
[Mandate 13 Resourcesv01.docx](#)

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Hi Dave and Ward,

Thanks for the chance to connect with you today regarding FLNR's Mandate 13. This mandate item seeks a comprehensive analysis of the impacts of climate change on natural resource values, and recommendations to Cabinet on strategies to address them. The attached Briefing Note describes how we are to address this in conjunction with partners in MOE. As Dennis mentioned, our final materials will include reference to glaciers and snowpack, however the final product will be much broader than that (to align with our mandate).

Also attached are the beginnings of a workplan and a preliminary list of resources to draw upon. We would very much appreciate the contributions of your staff to the relevant sections, as well as the identification of team members who could assist with various components.

Please feel free to circulate these materials to the folks who have a vested interest in the outcome of this analysis and could help to build the package for March.

Thanks in advance for your help with this.

Kathy

**Kathy Hopkins RPF** Phone 250-387-2112 or 604-594-9568

**Technical Advisor, Climate Change**

**BC Ministry of Forests, Lands, and Natural Resource Operations**

**Competitiveness and Innovation Branch**

[Adapting BC's Natural Resource Management to Climate Change](#)

<http://www.for.gov.bc.ca/het/climate/index.htm>

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"MULTIDISCIPLINED

WE EXPLORE THE INTERPLAY

NATURE AND COMMERCE"



# MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

## DECISION NOTE

Date: October 08, 2015

CLIFF: 216647

**PREPARED FOR:** Tom Ethier, Assistant Deputy Minister, Resource Stewardship Division  
and Dave Peterson, Assistant Deputy Minister, Tenures, Competitiveness  
and Innovation Division

**ISSUE:** Minister's Mandate Letter: Commitment #13

### BACKGROUND:

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen in a hundred years, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's drought impacts are having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

On September 11, Executive from the Ministry of Forests, Lands and Natural Resource Operations (FLNR) and Ministry of Environment (MOE) (Tom Ethier, Susanna Laaksonen-Craig, and Kaaren Lewis) discussed how their ministries will work together and coordinate the mandate letter commitment.

### DISCUSSION:

The ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for actions it has taken to address climate change in recent years.

To date, FLNR has initiated and completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas, such as forests, forest and range ecosystems, and water.

In 2015/16, FLNR has many projects that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas. FLNR is in contact with MOE staff regarding the work on Mandate#13.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current ministry work plans, or the scope could include a gap analysis and/or incremental projects/work. An expansion of scope beyond current work plans would require additional resources.

While water/drought related climate change work is a priority, existing work pressures to develop regulations and implement the Water Sustainability Act mean that capacity to take on additional work related specifically to water, this year is limited. Existing knowledge from water staff and information from other related projects/work currently built into Ministry's work plans will be used to fulfil the mandate letter commitment.

#### **OPTIONS:**

**Option 1:** Status quo: develop a Mandate #13 work plan that would lead to recommendations based on information from projects/work currently built into ministry's work plans. This work would be coordinated with MOE.

**Implications:** The ministry will fulfil the Mandate #13 and this option will not create a resource pressure within the ministry. Stakeholders, the public and First Nations may be of the view that FLNR is not making enough progress towards the protection of resource values from the impacts of climate change. Some resource values will continue to be at significant risk from climate change. Some impacts and risks will likely remain unknown for certain components of the ministry's business (e.g., those values highlighted in orange and red in Attachment 2). Quantification of risk and qualitative risk assessment for further indicators for values that the ministry manages would be included. Existing work, particularly on forests, wildfire and water is substantive (Attachment 1) and will form the foundation for the mandate letter response.

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on projects/work built into current ministry work plans, and initiate further work where there are gaps in information and identified high risks for actions to manage for climate change impacts. This would include high level assessments of:

- how climate change can be incorporated into the cumulative effects framework; and potentially,
- impacts of climate change on fish and wildlife health.
- a GAP analysis of what is needed to examine impacts of climate change on First Nations interests.

Further work on wildfire/climate change assessments would occur.

**Implications:** The ministry will fulfil the mandate letter. Resource pressure can be mitigated by internal reassignment of resources. Stakeholders, the public and First Nations may be of the view that FLNR is making good progress towards the protection of resource values from climate change impacts. In addition, this option, with a focus on cumulative effects exploring First Nations considerations and wildfire, may better prepare the province and communities to save significant future expenditure. The consequences of not addressing these priority risks are likely to be significant.

**Option 3:** Develop a Mandate #13 work plan that includes Options 1 and 2 and additionally resource projects to address gaps that have already been identified.

**Implications:** The ministry will fulfil the Mandate #13. New information for certain components of the ministry's business will be developed that currently does not exist (e.g., those values highlighted in orange and red in Attachment 2). Stakeholders, the public and First Nations may be of the view that FLNR is making significant progress towards the protection of resource values from the impacts of climate change. This option will create a substantive pressure within the ministry and may include

the redirection of existing resources from contingency funds, pressures budget or other priorities, potentially impacting other goals.

## RECOMMENDATION:

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on information from ministry projects/work that is currently built into ministry's work plans, and initiate a GAP analysis of current information to determine what information is needed to examine impacts of climate change on First Nations interests; undertake high level assessments on how climate change can be incorporated into the cumulative effects framework; and impacts of climate change on fish and wildlife health. Focus final response to mandate letter commitment on areas of very high public interest, including wildfire, water and forests. Task Kathy Hopkins (TCI), Lyle Gawalko (Wildfire Service) and Glen Davidson or alternate (Water Management Branch) to develop and implement work plan.

## Attachments

1. Examples of Current FLNR Adaptation Activities
2. FLNR Climate Change Risk Baseline


Approved / Not Approved

  
Signature  
Dave Peterson, Assistant Deputy Minister  
Tenures, Competitiveness & Innovation  
Division

OCT 21 2015

Date

Approved / Not Approved

  
Signature  
Tom Ethier, Assistant Deputy Minister  
Resource Stewardship Division

OCT 21 2015

Date

### Contact:

ADM: Dave Peterson  
Tenures, Competitiveness  
and Innovation  
250-387-1057

### Alternate Contact:

Peter Jacobsen  
Competitiveness and  
Innovation Branch  
250-387-8643

### Prepared by:

Dennis Paradine  
Competitiveness and  
Innovation Branch  
250-356-6230

Reviewed by	Initials	Date
ED-RS		
ED-TCI		
Exec. Dir. TCI	PJ	Oct. 08, 2015
Author	DP	Oct. 06, 2015

## Attachment 1. Examples of Current FLNR Climate Change Adaptation Activities

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## Draft Workplan: Mandate #13

V02 Nov 7/2015

**Goal:** To undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing , and make recommendations to Cabinet on strategies to protect our natural resource values from the impacts of climate change.

**Approach:** A) Focus response on areas of high public interest: wildfire, water, forests (using mainly existing work).

B) Undertake new work to fill in gaps related to:

1. Fish & wildlife, Species and ecosystems at risk
2. First Nations
3. Cumulative effects

**A. Focus response on areas of high public interest: wildfire, water, forests.**

### A1. Response related to wildfire

Team: Ian Meier, Kelly Osbourne, Peter Hisch, Kathy Hopkins

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-Gather sub-team and establish desired outcome and approach	Ian Meier, Kelly Osbourne		staff time		Monthly Jan. 15, Feb. 15, March 15
Gather information, summarize what we have, and use it to make recommendations			collated spatial data and baseline maps covering the		

			province		
Identify strategies and come up with a 5-10 year plan for risk reduction, e.g. to mitigate risks, need a landscape level fire management plan at the TSA level. (gap: few have been done					

s.12,s.13

## A2. Response related to water

Proposed Team: Glen Davidson, Valerie Cameron, Tina Neale, Robin Pike, Dave Spittlehouse, Kathy Hopkins, Peter Tschaplinski, MOE staff from shops of Lynn Kriwoken (policy), Celine Davis (science), Dave Tesch (hydrometrics, inventory))

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group / advisers and establish desired outcome and approach					
gather information sources and do a gap analysis			MOE – water inventory, analysis, policy		
<b>Flooding, Drought and Water allocation</b>	Glen Davidson, Valerie Cameron		staff time		Monthly Jan. 15, Feb. 15, March 15
identify strategies: e.g. improved data, upgrading infrastructure, reduce flood impacts					



Fisheries sensitive watersheds and community watersheds					
Loss of snow and glacier cover					
Sea level rise, dams and dykes					
Water quality, quantity flow and timing					

s.12,s.13

### A3. Response related to forests

			staff time		Monthly Jan. 15, Feb. 15, March 15
Set up sub-team and establish desired outcome and approach					

s.12,s.13

Fill in Gaps:

## B1. Outcome 1: High level assessment of impacts of climate change on fish, wildlife, species and ecosystems at risk

Team: Kathy Hopkins, Lyle Gawalko, Dan Peterson, Helen Schwantje, Richard Thompson, Lars Reese-Hansen, Kathy Paige, others as needed.

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group	Kathy Hopkins	Nov 3, 2015	Mandate letter	scoping advice	
Information gathering for contract statement of work	KH	Nov. 3-15 2015	information from completed plans and studies	links to information resources	
set up contract	KH Helen S. Lyle Gawalko Helen  Lyle Lars R-H  Lyle Kathy Paige  Kathy P.	Dec 1, 2015	<ul style="list-style-type: none"> <li>• \$20 k</li> <li>• F&amp;W CAP</li> <li>• FFESC results</li> <li>• wildlife health workshop info</li> <li>• SAR recovery plans</li> <li>• CE &amp; monitoring for fish and aquatic ecosystems</li> <li>• Invasive alien species information</li> <li>• KB pilot on effectiveness monitoring of WHA/UWR</li> <li>• Threat assessment risk</li> </ul>	signed contract	
Contractor to define state of the art, gaps, recommendations: draft report		Feb 15, 2015	reports and plans above, advice from staff to be identified	draft report	
Contractor final report		March 15, 2016	incorporating comments from FLNR and MOE	final report	

s.12,s.13

## B2 Outcome 2: Gap analysis of what's needed to examine impacts of climate change on natural resource values of importance to First Nations

Team: Dennis Paradine, Kathy Hopkins, Charles Hunter, Adele Parnell, Elysia Brunet, James Sandland (MARR), Ben Morton (MARR), Stephan Tack, Kimmy Gill ...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Gather team and solicit input from FNRB, MARR, JAG, MOE	Kathy Hopkins	Nov 3-15	Mandate 13 letter, workplan template	Draft workplan	
Gather information sources for contract	Adele		<ul style="list-style-type: none"> <li>• Agreements (timber, range)</li> <li>• Traditional Use Studies (map/database (MARR))</li> <li>• summary of case law decisions (JAG)</li> <li>• PCIC web portal</li> <li>• ClimateBC</li> <li>• Provincial Vulnerability Assessments</li> <li>• Sub-regional VA's</li> <li>• known FN assessments</li> </ul>	Statement of Work	
Identify natural resource values that may be impacted	Kathy		Forsite risk baseline results		
Tender and set up contract to gather materials in preparation for workshops	Kathy		\$5 to \$10k	Contract	
Contact FN relations Managers in regions	Stephan Tack / Kimmy Gill	weekly calls – Branch and Mgrs.			
Engage FNFC and Energy-	Charles Hunter			input into gap analysis	

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Mining Forestry Council				clarification on whether our plans will address them, or any key pieces missing	
produce a package to send out in advance of workshops	Kathy/Contractor	First week in January	CAPs		
Gather input on impacts and gaps through three regional workshops (PG, Nanaimo, Kamloops or Kelowna)	Stephan Tack and Kimmy Gill	Late Jan-early Feb	Travel funding for F&W staff, BCTS, etc.		
Support FLNR staff to attend (e.g. F&W, BCTS, CAP leads etc.)	Dennis				
Draft report					
Final report					
s.12,s.13					

### B3. Outcome 3: High level assessment of how climate change can be incorporated into the cumulative effects assessment framework

Team: Kathy Hopkins, Lars Reese-Hansen; Jennifer Psyllakis & Chris Ritchie (oversight) invite Doug Lewis

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish approach	Kathy H/Chris Ritchie?		\$20k		
Tie in with fish and wildlife piece					

s.12,s.13					

#### B.4. Outcome 4: Undertake further work on climate change effects on wildfire and strategies to reduce risks.

Team: Kelly Osbourne, Peter Hisch, Ian Meier, Kathy Hopkins...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		
s.12,s.13					

#### Outcome 5: Recommendations based on information from current FLNR workplans

Team:

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		

s.12,s.13					

DRAFT

## **Mandate 13: Resources: What We Know & Gaps**

DRAFT V01 Nov 7 2015

### **A1 Wildfire**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- WMB Climate Action Plan (CAP)
- Regional CAPs: sections on fire
- Threat maps: can do a quick analysis

### **A2 Water**

- Provincial Vulnerability Assessment
- Three regional/subregional vulnerability Assessments
- Water Management Branch CAP
- Regional CAPs – sections on Water
- Compendium of Watershed Hydrology Chapter 3 and 19
- Information n fisheries values
- Community watershed information, and water rights / title

Gaps:

Base water data: e.g. for groundwater monitoring

Human life and safety

### **A3 Forests**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- FSCAP
- Regional CAPs – sections on Forests

## **B1 Fish, Wildlife, & Species at Risk**

With thanks to Lyle Gawalko and Helen Schwantje

### **Species at Risk:**

Below is the link to recovery plans. I have been informed that since 2004 plans have included reference to climate change risks, prior to that they may or may not have had the reference. National recovery plans though do not have adequate reference or give enough emphasis on wildlife health threats with regards to climate change. There is simply so little in the way of tools or expertise on this. We still have a valid gap that needs addressing, both for species at risk as well as those not yet there.

Plans are to be updated every 5 years to a new format and that would include an assessment of climate change risks. Considerations of animal health are also included where appropriate. I think what we would need would be a provincial summary of those species expected to be at high risk to climate change impacts and a review of proposed actions to address impacts. On a broad level, probably the most important action would be to promote resiliency by removing stressors such as human induced disturbances, natural disturbances, habitat alterations etc. where possible. Where there are no CC threat assessments done, this would need to be noted as a knowledge gap for those that have not been assessed and for some species it may be a priority to have the CC threat identified before the 5 year period update.

[http://www.env.gov.bc.ca/wld/recoveryplans/recovery\\_doc\\_table.html](http://www.env.gov.bc.ca/wld/recoveryplans/recovery_doc_table.html)

### **Invasive Species:**

The invasive species strategy for BC (link below) does identify climate change as a factor influencing some invasive species. Also the invasive species council of BC has requested funding through the climate leadership application process for invasive spread modelling, early detection and management. Their work on this issue seems to be quite comprehensive.

<http://bcinvasives.ca/about/invasive-species-strategy-for-bc>

In addition there are some that believe that invasive spp considerations should include pathogens that are not known to be endemic within a region – so this could include a disease such as chronic wasting disease in cervids.



## Aquatics:

Ted Downs noted that modelling has been done to identify temperature sensitive streams in BC, however, climate change impacts was not part of the modelling. Lars may have more information on this. So work could be done to assess those streams/watersheds/aquatic habitats/species at highest risk to higher temperatures as a result of climate change and or other disturbances. Sensitivity of water courses to flow fluctuations has also been assessed, but more from the perspective of water allocation and not so much from the perspective of climate change impacts similar to water temperature, assessment could be done to determine CC impacts.

.....

From Alec Dale 2014-07-10 "Protecting Vulnerable Species: A Five-Year Plan for Species at Risk in British Columbia". Read the news release here.

## B2 First Nations

1. Regional CAPs
2. BCTS CAP
3. Timber Operations, Pricing, and First Nations Climate Action Plan
4. Meeting summary Nov 4 – Natural resource values that may be important to FN
5. Provincial Vulnerability Assessment
6. Three regional/sub-regional vulnerability assessments
7. Agreements:
  - Revenue sharing: (timber, range ...)
  - Atmospheric benefits sharing
  - Legalization of land use objectives (GAR orders, part 13)
8. Legislation and permits: Water Sustainability Act
9. Traditional use studies
10. Impact assessment tool
11. Consultation records (CRTS)
12. TIB consultations on assisted migration
13. Accommodations tracking tool (conceptual stage)
14. Case law results from JAG

## B3 Cumulative Effects

15. CEA website and pilots
- 16.

**From:** Trotter, Ward FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** Fw: Input requested: FLNR Mandate 13 draft workplan & resources  
**Date:** November 9, 2015 7:22:47 PM  
**Attachments:** Mandate#13-Signed BND.pdf  
Mandate 13 Workplan v03.docx  
Mandate 13 Resourcesv01.docx

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Dave

Had a call with Dennis Kathy and Tom E today and I believe Wes and Tim have seen the BN and might feel the way it is described in note is broader than what was in the MM wording. I asked the group to draft an IN and concise WP that reflects MML wording and is focused on getting material through NRS board and ELUC by mid Feb.

I hope to see this within the week.

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

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**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Friday, November 6, 2015 3:43 PM  
**To:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX; Rudson, Alan FLNR:EX  
**Subject:** Input requested: FLNR Mandate 13 draft workplan & resources

---

Hi Dave and Ward,

Thanks for the chance to connect with you today regarding FLNR's Mandate 13. This mandate item seeks a comprehensive analysis of the impacts of climate change on natural resource values, and recommendations to Cabinet on strategies to address them. The attached Briefing Note describes how we are to address this in conjunction with partners in MOE. As Dennis mentioned, our final materials will include reference to glaciers and snowpack, however the final product will be much broader than that (to align with our mandate).

Also attached are the beginnings of a workplan and a preliminary list of resources to draw upon. We would very much appreciate the contributions of your staff to the relevant sections, as well as the identification of team members who could assist with various components.

Please feel free to circulate these materials to the folks who have a vested interest in the outcome of this analysis and could help to build the package for March.

Thanks in advance for your help with this.

Kathy

**Kathy Hopkins RPF** Phone 250-387-2112 or 604-594-9568  
**Technical Advisor, Climate Change**  
**BC Ministry of Forests, Lands, and Natural Resource Operations**  
**Competitiveness and Innovation Branch**

*Adapting BC's Natural Resource Management to Climate Change*

<http://www.for.gov.bc.ca/het/climate/index.htm>

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"MULTIDISCIPLINED

WE EXPLORE THE INTERPLAY

NATURE AND COMMERCE"

# MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

## DECISION NOTE

Date: October 08, 2015

CLIFF: 216647

**PREPARED FOR:** Tom Ethier, Assistant Deputy Minister, Resource Stewardship Division  
and Dave Peterson, Assistant Deputy Minister, Tenures, Competitiveness  
and Innovation Division

**ISSUE:** Minister's Mandate Letter: Commitment #13

### BACKGROUND:

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen in a hundred years, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's drought impacts are having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

On September 11, Executive from the Ministry of Forests, Lands and Natural Resource Operations (FLNR) and Ministry of Environment (MOE) (Tom Ethier, Susanna Laaksonen-Craig, and Kaaren Lewis) discussed how their ministries will work together and coordinate the mandate letter commitment.

### DISCUSSION:

The ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for actions it has taken to address climate change in recent years.

To date, FLNR has initiated and completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas, such as forests, forest and range ecosystems, and water.

In 2015/16, FLNR has many projects that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas. FLNR is in contact with MOE staff regarding the work on Mandate#13.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current ministry work plans, or the scope could include a gap analysis and/or incremental projects/work. An expansion of scope beyond current work plans would require additional resources.

While water/drought related climate change work is a priority, existing work pressures to develop regulations and implement the Water Sustainability Act mean that capacity to take on additional work related specifically to water, this year is limited. Existing knowledge from water staff and information from other related projects/work currently built into Ministry's work plans will be used to fulfil the mandate letter commitment.

#### **OPTIONS:**

**Option 1:** Status quo: develop a Mandate #13 work plan that would lead to recommendations based on information from projects/work currently built into ministry's work plans. This work would be coordinated with MOE.

**Implications:** The ministry will fulfil the Mandate #13 and this option will not create a resource pressure within the ministry. Stakeholders, the public and First Nations may be of the view that FLNR is not making enough progress towards the protection of resource values from the impacts of climate change. Some resource values will continue to be at significant risk from climate change. Some impacts and risks will likely remain unknown for certain components of the ministry's business (e.g., those values highlighted in orange and red in Attachment 2). Quantification of risk and qualitative risk assessment for further indicators for values that the ministry manages would be included. Existing work, particularly on forests, wildfire and water is substantive (Attachment 1) and will form the foundation for the mandate letter response.

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on projects/work built into current ministry work plans, and initiate further work where there are gaps in information and identified high risks for actions to manage for climate change impacts. This would include high level assessments of:

- how climate change can be incorporated into the cumulative effects framework; and potentially,
- impacts of climate change on fish and wildlife health.
- a GAP analysis of what is needed to examine impacts of climate change on First Nations interests.

Further work on wildfire/climate change assessments would occur.

**Implications:** The ministry will fulfil the mandate letter. Resource pressure can be mitigated by internal reassignment of resources. Stakeholders, the public and First Nations may be of the view that FLNR is making good progress towards the protection of resource values from climate change impacts. In addition, this option, with a focus on cumulative effects exploring First Nations considerations and wildfire, may better prepare the province and communities to save significant future expenditure. The consequences of not addressing these priority risks are likely to be significant.

**Option 3:** Develop a Mandate #13 work plan that includes Options 1 and 2 and additionally resource projects to address gaps that have already been identified.

**Implications:** The ministry will fulfil the Mandate #13. New information for certain components of the ministry's business will be developed that currently does not exist (e.g., those values highlighted in orange and red in Attachment 2). Stakeholders, the public and First Nations may be of the view that FLNR is making significant progress towards the protection of resource values from the impacts of climate change. This option will create a substantive pressure within the ministry and may include

the redirection of existing resources from contingency funds, pressures budget or other priorities, potentially impacting other goals.

## RECOMMENDATION:

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on information from ministry projects/work that is currently built into ministry's work plans, and initiate a GAP analysis of current information to determine what information is needed to examine impacts of climate change on First Nations interests; undertake high level assessments on how climate change can be incorporated into the cumulative effects framework; and impacts of climate change on fish and wildlife health. Focus final response to mandate letter commitment on areas of very high public interest, including wildfire, water and forests. Task Kathy Hopkins (TCI), Lyle Gawalko (Wildfire Service) and Glen Davidson or alternate (Water Management Branch) to develop and implement work plan.

## Attachments

1. Examples of Current FLNR Adaptation Activities
2. FLNR Climate Change Risk Baseline


Approved / Not Approved

  
Signature  
Dave Peterson, Assistant Deputy Minister  
Tenures, Competitiveness & Innovation  
Division

OCT 21 2015

Date

Approved / Not Approved

  
Signature  
Tom Ethier, Assistant Deputy Minister  
Resource Stewardship Division

OCT 21 2015

Date

### Contact:

ADM: Dave Peterson  
Tenures, Competitiveness  
and Innovation  
250-387-1057

### Alternate Contact:

Peter Jacobsen  
Competitiveness and  
Innovation Branch  
250-387-8643

### Prepared by:

Dennis Paradine  
Competitiveness and  
Innovation Branch  
250-356-6230

Reviewed by	Initials	Date
ED-RS		
ED-TCI		
Exec. Dir. TCI	PJ	Oct. 08, 2015
Author	DP	Oct. 06, 2015

## Attachment 1. Examples of Current FLNR Climate Change Adaptation Activities

### High Level / Strategic

- FLNR Climate Change Strategy (TCI/CIB).
- A high level Provincial Vulnerability Assessment (soils, wildlife, hydrology, forested and aquatic ecosystems) (funded by FFESC).
- Ministry work unit Climate Action Plans (11 of an expected 22 plans completed); implementation beginning on many; and a summary underway (TCI/CIB/all regions and divisions/branches).
- A climate change risk assessment and management baseline for MFLNRO (20 biophysical values) (TCI/CIB) (Attachment 2)
  - Phase 2 of the Risk Baseline will examine other indicators and conduct a socio-economic risk assessment (underway in FY 2015/16) (TCI/CIB).

### Forests: forests and range ecosystems

- Forest and range impacts and adaptation strategies: 26 research studies funded by the Future Forest Ecosystems Scientific Council of BC (RSD/RPB and others)
  - Three sub-regional assessments (Kamloops Future Forest Strategy, Nadina VA, West Kootenay resilience).
- Ecological resilience and complexity <https://www.for.gov.bc.ca/hfd/pubs/docs/Tr/Tr055.htm>
- Climate change scenarios for forest and range management. Tech. Rep. 045.
- Mountain Pine Beetle (MPB) impacts on hydrology; carbon and growth responses, etc. <https://www.for.gov.bc.ca/hre/pubs/dspittle.htm>
- Climate based seed transfer scientific foundation (RSD/TIB).
- Tree species selection in a changing climate (RSD/RPB).
- Landscape level species selection (RSD/RPB).
- Policy work for climate based seed transfer is soon to be initiated (RSD/TIB).
- Regional Extension Notes (coordinated by Omineca Region).
- Economic analysis of the full costs of wildfire is underway, along with economics of proactive fire planning (IROD/WMB).
- Landscape level fire management (IROD/WMB).
- Work is underway to adapt silviculture policy and pricing to building economic pathways for stand level investment (RSD/RPB) (RSD/RPB).

### Water

- Compendium of Forest Hydrology and Geomorphology in British Columbia
  - Climate Change Effects on Watershed Processes in British Columbia Chapter 19 (3365 KB)
  - Weather and Climate effects on forest hydrology. Chapter 3.
- Water Modernization Act (RSD/WB).
- Sea Level Rise Adaptation Primer (ENV/CAS).
- Surface Water Allocation in a Changing Climate: Data Gaps, Needs, and Priorities (Executive Summary).



## Attachment 2. FLNR Climate Change Risk Baseline

CIB worked with contractor Forsite Consultants in fiscal year 2014/15 to complete a risk baseline “Climate Change Risk Assessment and Management Baseline for the Ministry of Forests, Lands and Natural Resource Operations” for the values FLNR manages. This report is not finalized. A draft of the Executive Summary is included below.

This report provides FLNR with baseline information on how the ministry is currently assessing and managing climate change related risks to the natural resource values under its mandate. This information will aid in the understanding of risk exposure and how best to manage it using the Climate Action Plans being put in place by regions and program areas.

A summary of robustness the current risk assessment and risk management processes for the identified values is provided in the table below, where ratings are defined as:

- Low: Limited or no assessment / management of climate change occurring (significant gaps exist).
- Moderate: Comprehensive programs exist with limited consideration being given to climate change.
- High: Comprehensive programs exist and explicitly consider the risks posed by climate change.

**Summary of Key Findings Table**

Theme	Negative Outcomes (Risks)	Assessment Robustness Rating:	Management Robustness Rating:
Timber	Reduced Yields from Regenerating Stands	High	Moderate -High
	Loss of Mature Stand Volume	Moderate - High	Moderate -High
	Loss of Productive Landbase	Low - Moderate	Low - Moderate
	Reduced Access to Mature Timber	Low	Low
	Loss or Reduction in Seed Sources (Collection Areas) for Reforestation and Genetic Stock for Tree Breeding	Moderate	Moderate
Range	Reduced Range Productivity	High	High
	Fewer Natural Range Barriers	Moderate	Moderate
	Reduced Water in Streams, Lakes and Wetlands	Moderate	Low -Moderate
Water (Domestic Use or Irrigation)	Reduced Water Quality or Quantity	Moderate – High	Moderate
Riparian Habitat	Loss of Riparian Function	Moderate	Moderate
Fish	Reduction in Abundance of Certain Species	Low - Moderate	Low - Moderate
Wildlife	Habitat Loss, Degradation or Fragmentation	Low - Moderate	Low - Moderate
Biodiversity	Reduction of Biodiversity	Low	Low



Air Quality	Reduced Air Quality	Moderate	High
Soils	Reduction in Soil Carbon	Moderate	Low
	Reduction in Soil Productivity	Low - Moderate	Low
Resource Features	Risk to Resource Features	Low - Moderate	Low - Moderate
Recreation	Loss of Recreation Infrastructure	Moderate	Low
	Reduced Winter Recreation Opportunities	Moderate - High	Moderate - High
Visual Quality	Reduction in Visual Quality	Low - Moderate	Low
Cultural Heritage Resources	Loss of Cultural Heritage Resources	Low	Low
Infrastructure	Loss of Infrastructure to Floods and Slides, Sea Level Rise and Interface Fires	Moderate - High	Moderate
Forest Carbon	Loss of Forest Carbon or Sequestration Capacity	Moderate - High	Moderate - High

Virtually all of the biophysical values under FLNR's mandate have monitoring programs in place that can be expected to capture negative outcomes to values as they arise (including impacts caused by climate change). However, these monitoring programs will rarely explain why the negative outcomes are occurring and do not provide a meaningful assessment of future risks that may arise from climate change. To proactively mitigate or manage these future risks, it is necessary to conduct assessments that forecast future outcomes from climate change on a given value. Reacting to changes as they occur remains an option, but will leave managers with fewer mitigation opportunities.

Assessments that forecast the future implications of climate change are occurring for several of FLNR's values but for others it is lacking or very limited in scope (e.g. access to timber, biodiversity, cultural heritage). For those values that do have detailed climate change assessments completed, there has generally been good follow through to develop mitigation programs. For example, most risks to timber, water, and air are well documented and have mitigation programs in place (or in development).

## Draft Workplan: Mandate #13

V02 Nov 7/2015

**Goal:** To undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing , and make recommendations to Cabinet on strategies to protect our natural resource values from the impacts of climate change.

**Approach:** A) Focus response on areas of high public interest: wildfire, water, forests (using mainly existing work).

B) Undertake new work to fill in gaps related to:

1. Fish & wildlife, Species and ecosystems at risk
2. First Nations
3. Cumulative effects

**A. Focus response on areas of high public interest: wildfire, water, forests.**

### A1. Response related to wildfire

Team: Ian Meier, Kelly Osbourne, Peter Hisch, Kathy Hopkins

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach	Ian Meier, Kelly Osbourne		staff time		Monthly Jan. 15, Feb. 15, March 15
Gather information, summarize what we have, and use it to make recommendations			collated spatial data and baseline maps covering the		

			province		
Identify strategies and come up with a 5-10 year plan for risk reduction, e.g. to mitigate risks, need a landscape level fire management plan at the TSA level. (gap: few have been done					

s.12,s.13

## A2. Response related to water

Proposed Team: Glen Davidson, Valerie Cameron, Tina Neale, Robin Pike, Dave Spittlehouse, Kathy Hopkins, Peter Tschaplinski, MOE staff from shops of Lynn Kriwoken (policy), Celine Davis (science), Dave Tesch (hydrometrics, inventory))

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group / advisers and establish desired outcome and approach					
gather information sources and do a gap analysis			MOE – water inventory, analysis, policy		
<b>Flooding, Drought and Water allocation</b>	Glen Davidson, Valerie Cameron		staff time		Monthly Jan. 15, Feb. 15, March 15
identify strategies: e.g. improved data, upgrading infrastructure, reduce flood impacts					

Fisheries sensitive watersheds and community watersheds					
Loss of snow and glacier cover					
Sea level rise, dams and dykes					
Water quality, quantity flow and timing					

s.12,s.13

### A3. Response related to forests

			staff time		Monthly Jan. 15, Feb. 15, March 15
Set up sub-team and establish desired outcome and approach					

s.12,s.13

Fill in Gaps:

## B1. Outcome 1: High level assessment of impacts of climate change on fish, wildlife, species and ecosystems at risk

Team: Kathy Hopkins, Lyle Gawalko, Dan Peterson, Helen Schwantje, Richard Thompson, Lars Reese-Hansen, Kathy Paige, others as needed.

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group	Kathy Hopkins	Nov 3, 2015	Mandate letter	scoping advice	
Information gathering for contract statement of work	KH	Nov. 3-15 2015	information from completed plans and studies	links to information resources	
set up contract	KH Helen S. Lyle Gawalko Helen  Lyle Lars R-H  Lyle Kathy Paige  Kathy P.	Dec 1, 2015	<ul style="list-style-type: none"> <li>• \$20 k</li> <li>• F&amp;W CAP</li> <li>• FFESC results</li> <li>• wildlife health workshop info</li> <li>• SAR recovery plans</li> <li>• CE &amp; monitoring for fish and aquatic ecosystems</li> <li>• Invasive alien species information</li> <li>• KB pilot on effectiveness monitoring of WHA/UWR</li> <li>• Threat assessment risk</li> </ul>	signed contract	
Contractor to define state of the art, gaps, recommendations: draft report		Feb 15, 2015	reports and plans above, advice from staff to be identified	draft report	
Contractor final report		March 15, 2016	incorporating comments from FLNR and MOE	final report	

s.12,s.13

## B2 Outcome 2: Gap analysis of what's needed to examine impacts of climate change on natural resource values of importance to First Nations

Team: Dennis Paradine, Kathy Hopkins, Charles Hunter, Adele Parnell, Elysia Brunet, James Sandland (MARR), Ben Morton (MARR), Stephan Tack, Kimmy Gill ...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Gather team and solicit input from FNRB, MARR, JAG, MOE	Kathy Hopkins	Nov 3-15	Mandate 13 letter, workplan template	Draft workplan	
Gather information sources for contract	Adele		<ul style="list-style-type: none"> <li>• Agreements (timber, range)</li> <li>• Traditional Use Studies (map/database (MARR))</li> <li>• summary of case law decisions (JAG)</li> <li>• PCIC web portal</li> <li>• ClimateBC</li> <li>• Provincial Vulnerability Assessments</li> <li>• Sub-regional VA's</li> <li>• known FN assessments</li> </ul>	Statement of Work	
Identify natural resource values that may be impacted	Kathy		Forsite risk baseline results		
Tender and set up contract to gather materials in preparation for workshops	Kathy		\$5 to \$10k	Contract	
Contact FN relations Managers in regions	Stephan Tack / Kimmy Gill	weekly calls – Branch and Mgrs.			
Engage FNFC and Energy-	Charles Hunter			input into gap analysis	

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Mining Forestry Council				clarification on whether our plans will address them, or any key pieces missing	
produce a package to send out in advance of workshops	Kathy/Contractor	First week in January	CAPs		
Gather input on impacts and gaps through three regional workshops (PG, Nanaimo, Kamloops or Kelowna)	Stephan Tack and Kimmy Gill	Late Jan-early Feb	Travel funding for F&W staff, BCTS, etc.		
Support FLNR staff to attend (e.g. F&W, BCTS, CAP leads etc.)	Dennis				
Draft report					
Final report					

s.12,s.13

### B3. Outcome 3: High level assessment of how climate change can be incorporated into the cumulative effects assessment framework

Team: Kathy Hopkins, Lars Reese-Hansen; Jennifer Psyllakis & Chris Ritchie (oversight) invite Doug Lewis

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish approach	Kathy H/Chris Ritchie?		\$20k		
Tie in with fish and wildlife piece					

s.12,s.13					

#### B.4. Outcome 4: Undertake further work on climate change effects on wildfire and strategies to reduce risks.

Team: Kelly Osbourne, Peter Hisch, Ian Meier, Kathy Hopkins...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		

s.12,s.13

#### Outcome 5: Recommendations based on information from current FLNR workplans

Team:

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		



s.12,s.13					

DRAFT

## **Mandate 13: Resources: What We Know & Gaps**

DRAFT V01 Nov 7 2015

### **A1 Wildfire**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- WMB Climate Action Plan (CAP)
- Regional CAPS: sections on fire
- Threat maps: can do a quick analysis

### **A2 Water**

- Provincial Vulnerability Assessment
- Three regional/subregional vulnerability Assessments
- Water Management Branch CAP
- Regional CAPs – sections on Water
- Compendium of Watershed Hydrology Chapter 3 and 19
- Information n fisheries values
- Community watershed information, and water rights / title

Gaps:

Base water data: e.g. for groundwater monitoring

Human life and safety

### **A3 Forests**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- FSCAP
- Regional CAPs – sections on Forests

## **B1 Fish, Wildlife, & Species at Risk**

With thanks to Lyle Gawalko and Helen Schwantje

### **Species at Risk:**

Below is the link to recovery plans. I have been informed that since 2004 plans have included reference to climate change risks, prior to that they may or may not have had the reference. National recovery plans though do not have adequate reference or give enough emphasis on wildlife health threats with regards to climate change. There is simply so little in the way of tools or expertise on this. We still have a valid gap that needs addressing, both for species at risk as well as those not yet there.

Plans are to be updated every 5 years to a new format and that would include an assessment of climate change risks. Considerations of animal health are also included where appropriate. I think what we would need would be a provincial summary of those species expected to be at high risk to climate change impacts and a review of proposed actions to address impacts. On a broad level, probably the most important action would be to promote resiliency by removing stressors such as human induced disturbances, natural disturbances, habitat alterations etc. where possible. Where there are no CC threat assessments done, this would need to be noted as a knowledge gap for those that have not been assessed and for some species it may be a priority to have the CC threat identified before the 5 year period update.

[http://www.env.gov.bc.ca/wld/recoveryplans/recovery\\_doc\\_table.html](http://www.env.gov.bc.ca/wld/recoveryplans/recovery_doc_table.html)

### **Invasive Species:**

The invasive species strategy for BC (link below) does identify climate change as a factor influencing some invasive species. Also the invasive species council of BC has requested funding through the climate leadership application process for invasive spread modelling, early detection and management. Their work on this issue seems to be quite comprehensive.

<http://bcinvasives.ca/about/invasive-species-strategy-for-bc>

In addition there are some that believe that invasive spp considerations should include pathogens that are not known to be endemic within a region – so this could include a disease such as chronic wasting disease in cervids.

## Aquatics:

Ted Downs noted that modelling has been done to identify temperature sensitive streams in BC, however, climate change impacts was not part of the modelling. Lars may have more information on this. So work could be done to assess those streams/watersheds/aquatic habitats/species at highest risk to higher temperatures as a result of climate change and or other disturbances. Sensitivity of water courses to flow fluctuations has also been assessed, but more from the perspective of water allocation and not so much from the perspective of climate change impacts similar to water temperature, assessment could be done to determine CC impacts.

.....

From Alec Dale 2014-07-10 "[Protecting Vulnerable Species: A Five-Year Plan for Species at Risk in British Columbia](#)". Read the news release [here](#).

## B2 First Nations

1. Regional CAPs
2. BCTS CAP
3. Timber Operations, Pricing, and First Nations Climate Action Plan
4. Meeting summary Nov 4 – Natural resource values that may be important to FN
5. Provincial Vulnerability Assessment
6. Three regional/sub-regional vulnerability assessments
7. Agreements:
  - Revenue sharing: (timber, range ...)
  - Atmospheric benefits sharing
  - Legalization of land use objectives (GAR orders, part 13)
8. Legislation and permits: Water Sustainability Act
9. Traditional use studies
10. Impact assessment tool
11. Consultation records (CRTS)
12. TIB consultations on assisted migration
13. Accommodations tracking tool (conceptual stage)
14. Case law results from JAG

## B3 Cumulative Effects

15. CEA website and pilots
- 16.

**From:** [Tesch, David ENV:EX](#)  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Dale, Alec R ENV:EX](#); [Danks, Anthony ENV:EX](#); [Kriwoken, Lynn ENV:EX](#); [Abbott, Rob ENV:EX](#); [Schultz, Fern ENV:EX](#)  
**Subject:** UPDATE: Minister's Mandate Letter Commitment #5(ENV)/#13(FLNRO)  
**Date:** November 16, 2015 3:11:00 PM  
**Attachments:** [Mandate#13-Signed BND.PDF](#)  
[Mandate 13 Workplan v03.docx](#)  
[Mandate 13 Resourcesv01.docx](#)

---

Here is an update on actions with respect to our Minister's Mandate Letter Commitment #5(ENV)/#13(FLNRO)

*"Working with the MFLNRO, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change."*

Actions to date for MOE:

**2015-09-08** – Kaaren, Tom, Susanna, Ward and David had a conference call to discuss commitment. The group agreed that Ward and David would work together and manage the interaction of our 2 ministries on achieving this mandate letter goal.

FLNRO had checked with their minister's office and received clarification on the mandate resulting in a broader description:

*"undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change"*

**2015-11-06** – Ward, David, Kathy and Denis had a conference call to discuss FLNRO activities to date on the this project. Kathy shared some material (attached) that included a briefing note defining the scope of the FLNRO's approach and a draft work plan to outline activities, leads, timeframes, outputs and progress-to-date. Within these activities, there are opportunities for ENV staff to engage and support FLNRO. There is also opportunity to highlight other activities that are currently or might be worked on under in ENV. At this point, FLNRO has reached out to Robin Pike to participate, but hopefully, we can coordinate these requests in the future.

**2015-11-09** – David received an email from Ward. Tom, Denis, Kathy and Tom had met to discuss direction from Tim and Wes. The DM's felt the wording in the briefing note is broader than the wording in the mandate letters. Ward is asking FLNRO staff to draft another information note and a concise workplan focused on the mandate letter wording in order to get material through NRS board and ELUC by mid-Feb.

I have not seen the new/concise documents, but I'm meeting with Ward on Wednesday to discuss.

Regards,

D.

# MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

## DECISION NOTE

Date: October 08, 2015

CLIFF: 216647

**PREPARED FOR:** Tom Ethier, Assistant Deputy Minister, Resource Stewardship Division  
and Dave Peterson, Assistant Deputy Minister, Tenures, Competitiveness  
and Innovation Division

**ISSUE:** Minister's Mandate Letter: Commitment #13

### BACKGROUND:

Minister's Mandate Letter #13 is "*Working with the MOE, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change*".

Today, BC is experiencing drought levels not seen in a hundred years, with a potential to follow California, Oregon and Washington in a severe and prolonged drought. In addition, BC's forests are facing a long and expensive fire season exacerbated by record temperatures and early summer drying. These and other phenomena are consistent with climate projections for the future. This year's drought impacts are having immediate consequences for many communities, as well as many industries such as forestry, fisheries, recreation and mining.

On September 11, Executive from the Ministry of Forests, Lands and Natural Resource Operations (FLNR) and Ministry of Environment (MOE) (Tom Ethier, Susanna Laaksonen-Craig, and Kaaren Lewis) discussed how their ministries will work together and coordinate the mandate letter commitment.

### DISCUSSION:

The ministry's interpretation of the Minister's Mandate Letter #13 (Mandate #13) is to '*undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change.*'

Climate change has and is receiving international attention and debate among world leaders and scientists. British Columbia has drawn national and international attention for actions it has taken to address climate change in recent years.

To date, FLNR has initiated and completed a number of projects focused on climate change mitigation. These projects have produced useful information in many areas, such as forests, forest and range ecosystems, and water.

In 2015/16, FLNR has many projects that support the Premier's Climate Leadership Plan process, including the completion of specific Climate Action Plans (CAPs) for all business areas. FLNR is in contact with MOE staff regarding the work on Mandate#13.

In light of the potential breadth of work for Mandate #13, staff are seeking direction on the scope of work to be undertaken. For example, the scope could be maintained to projects/work built into current ministry work plans, or the scope could include a gap analysis and/or incremental projects/work. An expansion of scope beyond current work plans would require additional resources.

While water/drought related climate change work is a priority, existing work pressures to develop regulations and implement the Water Sustainability Act mean that capacity to take on additional work related specifically to water, this year is limited. Existing knowledge from water staff and information from other related projects/work currently built into Ministry's work plans will be used to fulfil the mandate letter commitment.

#### **OPTIONS:**

**Option 1:** Status quo: develop a Mandate #13 work plan that would lead to recommendations based on information from projects/work currently built into ministry's work plans. This work would be coordinated with MOE.

**Implications:** The ministry will fulfil the Mandate #13 and this option will not create a resource pressure within the ministry. Stakeholders, the public and First Nations may be of the view that FLNR is not making enough progress towards the protection of resource values from the impacts of climate change. Some resource values will continue to be at significant risk from climate change. Some impacts and risks will likely remain unknown for certain components of the ministry's business (e.g., those values highlighted in orange and red in Attachment 2). Quantification of risk and qualitative risk assessment for further indicators for values that the ministry manages would be included. Existing work, particularly on forests, wildfire and water is substantive (Attachment 1) and will form the foundation for the mandate letter response.

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on projects/work built into current ministry work plans, and initiate further work where there are gaps in information and identified high risks for actions to manage for climate change impacts. This would include high level assessments of:

- how climate change can be incorporated into the cumulative effects framework; and potentially,
- impacts of climate change on fish and wildlife health.
- a GAP analysis of what is needed to examine impacts of climate change on First Nations interests.

Further work on wildfire/climate change assessments would occur.

**Implications:** The ministry will fulfil the mandate letter. Resource pressure can be mitigated by internal reassignment of resources. Stakeholders, the public and First Nations may be of the view that FLNR is making good progress towards the protection of resource values from climate change impacts. In addition, this option, with a focus on cumulative effects exploring First Nations considerations and wildfire, may better prepare the province and communities to save significant future expenditure. The consequences of not addressing these priority risks are likely to be significant.

**Option 3:** Develop a Mandate #13 work plan that includes Options 1 and 2 and additionally resource projects to address gaps that have already been identified.

**Implications:** The ministry will fulfil the Mandate #13. New information for certain components of the ministry's business will be developed that currently does not exist (e.g., those values highlighted in orange and red in Attachment 2). Stakeholders, the public and First Nations may be of the view that FLNR is making significant progress towards the protection of resource values from the impacts of climate change. This option will create a substantive pressure within the ministry and may include

the redirection of existing resources from contingency funds, pressures budget or other priorities, potentially impacting other goals.

## RECOMMENDATION:

**Option 2:** Develop a Mandate #13 work plan that would lead to recommendations based on information from ministry projects/work that is currently built into ministry's work plans, and initiate a GAP analysis of current information to determine what information is needed to examine impacts of climate change on First Nations interests; undertake high level assessments on how climate change can be incorporated into the cumulative effects framework; and impacts of climate change on fish and wildlife health. Focus final response to mandate letter commitment on areas of very high public interest, including wildfire, water and forests. Task Kathy Hopkins (TCI), Lyle Gawalko (Wildfire Service) and Glen Davidson or alternate (Water Management Branch) to develop and implement work plan.

## Attachments

1. Examples of Current FLNR Adaptation Activities
2. FLNR Climate Change Risk Baseline

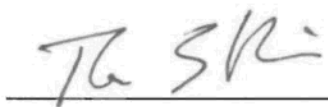
Approved / Not Approved

  
Signature  
Dave Peterson, Assistant Deputy Minister  
Tenures, Competitiveness & Innovation  
Division

OCT 21 2015

Date

Approved / Not Approved

  
Signature  
Tom Ethier, Assistant Deputy Minister  
Resource Stewardship Division

OCT 21 2015

Date

### Contact:

ADM: Dave Peterson  
Tenures, Competitiveness  
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250-387-1057

### Alternate Contact:

Peter Jacobsen  
Competitiveness and  
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250-387-8643

### Prepared by:

Dennis Paradine  
Competitiveness and  
Innovation Branch  
250-356-6230

Reviewed by	Initials	Date
ED-RS		
ED-TCI		
Exec. Dir. TCI	PJ	Oct. 08, 2015
Author	DP	Oct. 06, 2015



## Attachment 1. Examples of Current FLNR Climate Change Adaptation Activities

### High Level / Strategic

- FLNR Climate Change Strategy (TCI/CIB).
- A high level Provincial Vulnerability Assessment (soils, wildlife, hydrology, forested and aquatic ecosystems) (funded by FFESC).
- Ministry work unit Climate Action Plans (11 of an expected 22 plans completed); implementation beginning on many; and a summary underway (TCI/CIB/all regions and divisions/branches).
- A climate change risk assessment and management baseline for MFLNRO (20 biophysical values) (TCI/CIB) (Attachment 2)
  - Phase 2 of the Risk Baseline will examine other indicators and conduct a socio-economic risk assessment (underway in FY 2015/16) (TCI/CIB).

### Forests: forests and range ecosystems

- Forest and range impacts and adaptation strategies: 26 research studies funded by the Future Forest Ecosystems Scientific Council of BC (RSD/RPB and others)
  - Three sub-regional assessments (Kamloops Future Forest Strategy, Nadina VA, West Kootenay resilience).
- Ecological resilience and complexity <https://www.for.gov.bc.ca/hfd/pubs/docs/Tr/Tr055.htm>
- Climate change scenarios for forest and range management. Tech. Rep. 045.
- Mountain Pine Beetle (MPB) impacts on hydrology; carbon and growth responses, etc. <https://www.for.gov.bc.ca/hre/pubs/dspittle.htm>
- Climate based seed transfer scientific foundation (RSD/TIB).
- Tree species selection in a changing climate (RSD/RPB).
- Landscape level species selection (RSD/RPB).
- Policy work for climate based seed transfer is soon to be initiated (RSD/TIB).
- Regional Extension Notes (coordinated by Omineca Region).
- Economic analysis of the full costs of wildfire is underway, along with economics of proactive fire planning (IROD/WMB).
- Landscape level fire management (IROD/WMB).
- Work is underway to adapt silviculture policy and pricing to building economic pathways for stand level investment (RSD/RPB) (RSD/RPB).

### Water

- Compendium of Forest Hydrology and Geomorphology in British Columbia
  - Climate Change Effects on Watershed Processes in British Columbia Chapter 19 (3365 KB)
  - Weather and Climate effects on forest hydrology. Chapter 3.
- Water Modernization Act (RSD/WB).
- Sea Level Rise Adaptation Primer (ENV/CAS).
- Surface Water Allocation in a Changing Climate: Data Gaps, Needs, and Priorities (Executive Summary).

## Attachment 2. FLNR Climate Change Risk Baseline

CIB worked with contractor Forsite Consultants in fiscal year 2014/15 to complete a risk baseline “Climate Change Risk Assessment and Management Baseline for the Ministry of Forests, Lands and Natural Resource Operations” for the values FLNR manages. This report is not finalized. A draft of the Executive Summary is included below.

This report provides FLNR with baseline information on how the ministry is currently assessing and managing climate change related risks to the natural resource values under its mandate. This information will aid in the understanding of risk exposure and how best to manage it using the Climate Action Plans being put in place by regions and program areas.

A summary of robustness the current risk assessment and risk management processes for the identified values is provided in the table below, where ratings are defined as:

- Low: Limited or no assessment / management of climate change occurring (significant gaps exist).
- Moderate: Comprehensive programs exist with limited consideration being given to climate change.
- High: Comprehensive programs exist and explicitly consider the risks posed by climate change.

**Summary of Key Findings Table**

Theme	Negative Outcomes (Risks)	Assessment Robustness Rating:	Management Robustness Rating:
Timber	Reduced Yields from Regenerating Stands	High	Moderate -High
	Loss of Mature Stand Volume	Moderate - High	Moderate -High
	Loss of Productive Landbase	Low - Moderate	Low - Moderate
	Reduced Access to Mature Timber	Low	Low
	Loss or Reduction in Seed Sources (Collection Areas) for Reforestation and Genetic Stock for Tree Breeding	Moderate	Moderate
Range	Reduced Range Productivity	High	High
	Fewer Natural Range Barriers	Moderate	Moderate
	Reduced Water in Streams, Lakes and Wetlands	Moderate	Low -Moderate
Water (Domestic Use or Irrigation)	Reduced Water Quality or Quantity	Moderate – High	Moderate
Riparian Habitat	Loss of Riparian Function	Moderate	Moderate
Fish	Reduction in Abundance of Certain Species	Low - Moderate	Low - Moderate
Wildlife	Habitat Loss, Degradation or Fragmentation	Low - Moderate	Low - Moderate
Biodiversity	Reduction of Biodiversity	Low	Low

Air Quality	Reduced Air Quality	Moderate	High
Soils	Reduction in Soil Carbon	Moderate	Low
	Reduction in Soil Productivity	Low - Moderate	Low
Resource Features	Risk to Resource Features	Low - Moderate	Low - Moderate
Recreation	Loss of Recreation Infrastructure	Moderate	Low
	Reduced Winter Recreation Opportunities	Moderate - High	Moderate - High
Visual Quality	Reduction in Visual Quality	Low - Moderate	Low
Cultural Heritage Resources	Loss of Cultural Heritage Resources	Low	Low
Infrastructure	Loss of Infrastructure to Floods and Slides, Sea Level Rise and Interface Fires	Moderate - High	Moderate
Forest Carbon	Loss of Forest Carbon or Sequestration Capacity	Moderate - High	Moderate - High

Virtually all of the biophysical values under FLNR's mandate have monitoring programs in place that can be expected to capture negative outcomes to values as they arise (including impacts caused by climate change). However, these monitoring programs will rarely explain why the negative outcomes are occurring and do not provide a meaningful assessment of future risks that may arise from climate change. To proactively mitigate or manage these future risks, it is necessary to conduct assessments that forecast future outcomes from climate change on a given value. Reacting to changes as they occur remains an option, but will leave managers with fewer mitigation opportunities.

Assessments that forecast the future implications of climate change are occurring for several of FLNR's values but for others it is lacking or very limited in scope (e.g. access to timber, biodiversity, cultural heritage). For those values that do have detailed climate change assessments completed, there has generally been good follow through to develop mitigation programs. For example, most risks to timber, water, and air are well documented and have mitigation programs in place (or in development).

## Draft Workplan: Mandate #13

V02 Nov 7/2015

**Goal:** To undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing , and make recommendations to Cabinet on strategies to protect our natural resource values from the impacts of climate change.

**Approach:** A) Focus response on areas of high public interest: wildfire, water, forests (using mainly existing work).

B) Undertake new work to fill in gaps related to:

1. Fish & wildlife, Species and ecosystems at risk
2. First Nations
3. Cumulative effects

**A. Focus response on areas of high public interest: wildfire, water, forests.**

### A1. Response related to wildfire

Team: Ian Meier, Kelly Osbourne, Peter Hisch, Kathy Hopkins

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-Gather sub-team and establish desired outcome and approach	Ian Meier, Kelly Osbourne		staff time		Monthly Jan. 15, Feb. 15, March 15
Gather information, summarize what we have, and use it to make recommendations			collated spatial data and baseline maps covering the		

			province		
Identify strategies and come up with a 5-10 year plan for risk reduction, e.g. to mitigate risks, need a landscape level fire management plan at the TSA level. (gap: few have been done					

s.12,s.13

## A2. Response related to water

Proposed Team: Glen Davidson, Valerie Cameron, Tina Neale, Robin Pike, Dave Spittlehouse, Kathy Hopkins, Peter Tschaplinski, MOE staff from shops of Lynn Kriwoken (policy), Celine Davis (science), Dave Tesch (hydrometrics, inventory))

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group / advisers and establish desired outcome and approach					
gather information sources and do a gap analysis			MOE – water inventory, analysis, policy		
<b>Flooding, Drought and Water allocation</b>	Glen Davidson, Valerie Cameron		staff time		Monthly Jan. 15, Feb. 15, March 15
identify strategies: e.g. improved data, upgrading infrastructure, reduce flood impacts					

Fisheries sensitive watersheds and community watersheds					
Loss of snow and glacier cover					
Sea level rise, dams and dykes					
Water quality, quantity flow and timing					
s.12,s.13					

### A3. Response related to forests

			staff time		Monthly Jan. 15, Feb. 15, March 15
Set up sub-team and establish desired outcome and approach					
s.12,s.13					

Fill in Gaps:

## B1. Outcome 1: High level assessment of impacts of climate change on fish, wildlife, species and ecosystems at risk

Team: Kathy Hopkins, Lyle Gawalko, Dan Peterson, Helen Schwantje, Richard Thompson, Lars Reese-Hansen, Kathy Paige, others as needed.

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up work group	Kathy Hopkins	Nov 3, 2015	Mandate letter	scoping advice	
Information gathering for contract statement of work	KH	Nov. 3-15 2015	information from completed plans and studies	links to information resources	
set up contract	KH Helen S. Lyle Gawalko Helen  Lyle Lars R-H  Lyle Kathy Paige  Kathy P.	Dec 1, 2015	<ul style="list-style-type: none"> <li>• \$20 k</li> <li>• F&amp;W CAP</li> <li>• FFESC results</li> <li>• wildlife health workshop info</li> <li>• SAR recovery plans</li> <li>• CE &amp; monitoring for fish and aquatic ecosystems</li> <li>• Invasive alien species information</li> <li>• KB pilot on effectiveness monitoring of WHA/UWR</li> <li>• Threat assessment risk</li> </ul>	signed contract	
Contractor to define state of the art, gaps, recommendations: draft report		Feb 15, 2015	reports and plans above, advice from staff to be identified	draft report	
Contractor final report		March 15, 2016	incorporating comments from FLNR and MOE	final report	
s.12,s.13					

## B2 Outcome 2: Gap analysis of what's needed to examine impacts of climate change on natural resource values of importance to First Nations

Team: Dennis Paradine, Kathy Hopkins, Charles Hunter, Adele Parnell, Elysia Brunet, James Sandland (MARR), Ben Morton (MARR), Stephan Tack, Kimmy Gill ...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Gather team and solicit input from FNRB, MARR, JAG, MOE	Kathy Hopkins	Nov 3-15	Mandate 13 letter, workplan template	Draft workplan	
Gather information sources for contract	Adele		<ul style="list-style-type: none"> <li>• Agreements (timber, range)</li> <li>• Traditional Use Studies (map/database (MARR))</li> <li>• summary of case law decisions (JAG)</li> <li>• PCIC web portal</li> <li>• ClimateBC</li> <li>• Provincial Vulnerability Assessments</li> <li>• Sub-regional VA's</li> <li>• known FN assessments</li> </ul>	Statement of Work	
Identify natural resource values that may be impacted	Kathy		Forsite risk baseline results		
Tender and set up contract to gather materials in preparation for workshops	Kathy		\$5 to \$10k	Contract	
Contact FN relations Managers in regions	Stephan Tack / Kimmy Gill	weekly calls – Branch and Mgrs.			
Engage FNFC and Energy-	Charles Hunter			input into gap analysis	



Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Mining Forestry Council				clarification on whether our plans will address them, or any key pieces missing	
produce a package to send out in advance of workshops	Kathy/Contractor	First week in January	CAPs		
Gather input on impacts and gaps through three regional workshops (PG, Nanaimo, Kamloops or Kelowna)	Stephan Tack and Kimmy Gill	Late Jan-early Feb	Travel funding for F&W staff, BCTS, etc.		
Support FLNR staff to attend (e.g. F&W, BCTS, CAP leads etc.)	Dennis				
Draft report					
Final report					

s.12,s.13

### B3. Outcome 3: High level assessment of how climate change can be incorporated into the cumulative effects assessment framework

Team: Kathy Hopkins, Lars Reese-Hansen; Jennifer Psyllakis & Chris Ritchie (oversight) invite Doug Lewis

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish approach	Kathy H/Chris Ritchie?		\$20k		
Tie in with fish and wildlife piece					

s.12,s.13					

#### B.4. Outcome 4: Undertake further work on climate change effects on wildfire and strategies to reduce risks.

Team: Kelly Osbourne, Peter Hisch, Ian Meier, Kathy Hopkins...

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		
s.12,s.13					

#### Outcome 5: Recommendations based on information from current FLNR workplans

Team:

Activity	Lead	Timeframe	Inputs	Outputs	Progress Reporting
Set up sub-team and establish desired outcome and approach					
			staff time		

s.12,s.13					

DRAFT

## **Mandate 13: Resources: What We Know & Gaps**

DRAFT V01 Nov 7 2015

### **A1 Wildfire**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- WMB Climate Action Plan (CAP)
- Regional CAPS: sections on fire
- Threat maps: can do a quick analysis

### **A2 Water**

- Provincial Vulnerability Assessment
- Three regional/subregional vulnerability Assessments
- Water Management Branch CAP
- Regional CAPs – sections on Water
- Compendium of Watershed Hydrology Chapter 3 and 19
- Information n fisheries values
- Community watershed information, and water rights / title

Gaps:

Base water data: e.g. for groundwater monitoring

Human life and safety

### **A3 Forests**

- Provincial Vulnerability Assessment
- Three regional/sub regional vulnerability Assessments
- FSCAP
- Regional CAPs – sections on Forests

## **B1 Fish, Wildlife, & Species at Risk**

With thanks to Lyle Gawalko and Helen Schwantje

### **Species at Risk:**

Below is the link to recovery plans. I have been informed that since 2004 plans have included reference to climate change risks, prior to that they may or may not have had the reference. National recovery plans though do not have adequate reference or give enough emphasis on wildlife health threats with regards to climate change. There is simply so little in the way of tools or expertise on this. We still have a valid gap that needs addressing, both for species at risk as well as those not yet there.

Plans are to be updated every 5 years to a new format and that would include an assessment of climate change risks. Considerations of animal health are also included where appropriate. I think what we would need would be a provincial summary of those species expected to be at high risk to climate change impacts and a review of proposed actions to address impacts. On a broad level, probably the most important action would be to promote resiliency by removing stressors such as human induced disturbances, natural disturbances, habitat alterations etc. where possible. Where there are no CC threat assessments done, this would need to be noted as a knowledge gap for those that have not been assessed and for some species it may be a priority to have the CC threat identified before the 5 year period update.

[http://www.env.gov.bc.ca/wld/recoveryplans/recovery\\_doc\\_table.html](http://www.env.gov.bc.ca/wld/recoveryplans/recovery_doc_table.html)

### **Invasive Species:**

The invasive species strategy for BC (link below) does identify climate change as a factor influencing some invasive species. Also the invasive species council of BC has requested funding through the climate leadership application process for invasive spread modelling, early detection and management. Their work on this issue seems to be quite comprehensive.

<http://bcinvasives.ca/about/invasive-species-strategy-for-bc>

In addition there are some that believe that invasive spp considerations should include pathogens that are not known to be endemic within a region – so this could include a disease such as chronic wasting disease in cervids.

## Aquatics:

Ted Downs noted that modelling has been done to identify temperature sensitive streams in BC, however, climate change impacts was not part of the modelling. Lars may have more information on this. So work could be done to assess those streams/watersheds/aquatic habitats/species at highest risk to higher temperatures as a result of climate change and or other disturbances. Sensitivity of water courses to flow fluctuations has also been assessed, but more from the perspective of water allocation and not so much from the perspective of climate change impacts similar to water temperature, assessment could be done to determine CC impacts.

.....

From Alec Dale 2014-07-10 "[Protecting Vulnerable Species: A Five-Year Plan for Species at Risk in British Columbia](#)". Read the news release [here](#).

## B2 First Nations

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12. TIB consultations on assisted migration
13. Accommodations tracking tool (conceptual stage)
14. Case law results from JAG

## B3 Cumulative Effects

15. CEA website and pilots
- 16.

**From:** [Tesch, David ENV:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: Input requested: FLNR Mandate 13 draft workplan & resources  
**Date:** November 16, 2015 3:20:00 PM

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At this point, I'm only aware of a request made to Robin Pike.

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**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, November 16, 2015 3:19 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Input requested: FLNR Mandate 13 draft workplan & resources  
I will check Dave.

Do you know if they have reached out to any MOE staff? If so can you provide me with their name as well. Thank you

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, November 16, 2015 3:13 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: Input requested: FLNR Mandate 13 draft workplan & resources  
Hi Ward,

Has Kathy and Denis done a first cut on the more concise documents? I'm wondering if you and I can discuss them on Wednesday when we meet.

Regards,  
D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, November 9, 2015 7:23 PM  
**To:** Tesch, David ENV:EX  
**Subject:** Fw: Input requested: FLNR Mandate 13 draft workplan & resources  
Dave

Had a call with Dennis Kathy and Tom E today and I believe Wes and Tim have seen the BN and might feel the way it is described in note is broader than what was in the MM wording. I asked the group to draft an IN and concise WP that reflects MML wording and is focused on getting material through NRS board and ELUC by mid Feb.

I hope to see this within the week.

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Friday, November 6, 2015 3:43 PM  
**To:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX; Rudson, Alan FLNR:EX  
**Subject:** Input requested: FLNR Mandate 13 draft workplan & resources

Hi Dave and Ward,

Thanks for the chance to connect with you today regarding FLNR's Mandate 13. This mandate item seeks a comprehensive analysis of the impacts of climate change on natural resource values, and recommendations to Cabinet on strategies to address them. The attached Briefing Note describes how we are to address this in conjunction with partners in MOE. As Dennis mentioned, our final materials will include reference to glaciers and snowpack, however the final product will be much broader than that (to align with our mandate).

Also attached are the beginnings of a workplan and a preliminary list of resources to draw upon. We would very much appreciate the contributions of your staff to the relevant sections, as well as the

identification of team members who could assist with various components.

Please feel free to circulate these materials to the folks who have a vested interest in the outcome of this analysis and could help to build the package for March.

Thanks in advance for your help with this.

Kathy

**Kathy Hopkins RPF** Phone 250-387-2112 or 604-594-9568

**Technical Advisor, Climate Change**

**BC Ministry of Forests, Lands, and Natural Resource Operations**

**Competitiveness and Innovation Branch**

*Adapting BC's Natural Resource Management to Climate Change*

<http://www.for.gov.bc.ca/het/climate/index.htm>

---

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**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: UPDATE: Minister's Mandate Letter Commitment #5(ENV)/#13(FLNRO)  
**Date:** November 16, 2015 3:50:44 PM

---

Thanks Dave

Given this commitment is in our Ministers mandate letter it will be important for us to be engaged. I also see pieces of this that we don't own (back to roles and responsibilities) so important you keep engaging with Alec and Lynn etc. Also, when things get moved to exec can you please ask FLNRO to include me. Thx!

Kaaren

Sent from my iPhone

On Nov 16, 2015, at 3:11 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Here is an update on actions with respect to our Minister's Mandate Letter Commitment #5(ENV)/#13(FLNRO)

*"Working with the MFLNRO, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of BC and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change."*

Actions to date for MOE:

**2015-09-08** – Kaaren, Tom, Susanna, Ward and David had a conference call to discuss commitment. The group agreed that Ward and David would work together and manage the interaction of our 2 ministries on achieving this mandate letter goal.

FLNRO had checked with their minister's office and received clarification on the mandate resulting in a broader description:

*"undertake a comprehensive analysis of the impacts of climate change on the natural resource values that the ministry is responsible for managing, and make recommendations to Cabinet on strategies to protect our natural resource values from impacts of climate change"*

**2015-11-06** – Ward, David, Kathy and Denis had a conference call to discuss FLNRO activities to date on this project. Kathy shared some material (attached) that included a briefing note defining the scope of the FLNRO's approach and a draft work plan to outline activities, leads, timeframes, outputs and progress-to-date. Within these activities, there are opportunities for ENV staff to engage and support FLNRO. There is also opportunity to highlight other activities that are currently or might be worked on under in ENV. At this point, FLNRO has reached out to Robin Pike to participate, but hopefully, we can coordinate these requests in the future.

**2015-11-09** – David received an email from Ward. Tom, Denis, Kathy and Tom had met to discuss direction from Tim and Wes. The DM's felt the wording in the briefing note is broader than the wording in the mandate letters. Ward is asking FLNRO staff to draft another information note and a concise workplan focused on the mandate letter wording in order to get material through NRS board and ELUC by mid-Feb. I have not seen the new/concise documents, but I'm meeting with Ward on Wednesday to discuss.

Regards,  
D.

**From:** Hopkins, Kathy L FLNR:EX  
**To:** Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: MOE and MM#13 -- WP  
**Date:** November 17, 2015 8:58:14 AM

---

Hi Dave,

The staff who we've been talking with so far on the workplan for mandate 13 are:

**1. Response related to wildfire**

Team: Ian Meier, Kelly Osbourne, Peter Hisch, Kathy Hopkins

**2. Response related to water**

Proposed Team: Glen Davidson, Valerie Cameron, Tina Neale, Robin Pike, Dave Spittlehouse, Kathy Hopkins, Peter Tschaplinski,  
Yet to meet with MOE staff from shops of Lynn Kriwoken (policy), Celine Davis (science), Dave Tesch (hydrometrics, inventory)

**3. Response related to forests**

Proposed Team: Brian Barber, Albert Nussbaum; Jenifer Davis, Leslie McAuley, Kevin Astridge; Christine Fletcher, Michael Stoehr

**Gaps**

**a. Fish Wildlife and SAR:** Lyle Gawalko, Dan Peterson, Helen Schwantje, Richard Thompson, Lars Reese-Hansen, Kathy Paige,

**b. Gap analysis of what's needed to examine impacts of climate change on natural resource values of importance to First Nations**

Team: Dennis Paradine, Charles Hunter, Adele Parnell, Elysia Brunet, James Sandland (MARR), Ben Morton (MARR), Stephan Tack, Kimmy Gill ...

**c. High level assessment of how climate change can be incorporated into the cumulative effects assessment framework**

Spoke with Alan Lidstone. Meeting arranged with staff from MARR.

Met with: Lars Reese-Hansen; Jennifer Psyllakis & Chris Ritchie (oversight) Doug Lewis

Hope this is helpful.

Kathy

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, November 16, 2015 3:55 PM  
**To:** Hopkins, Kathy L FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: MOE and MM#13 -- WP  
Thanks Kathy.

Can you let Dave know who you have been working with on the WP. Thank you in advance,  
ward

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Monday, November 16, 2015 3:33 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: MOE and MM#13 -- WP  
Yes on the detailed WP.

No, on the one you and Dennis are working on.

k

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, November 16, 2015 3:31 PM  
**To:** Hopkins, Kathy L FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: MOE and MM#13 -- WP

Work plan

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Monday, November 16, 2015 3:31 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: MOE and MM#13 -- WP

Hi Ward,

Sorry – what is WP?

Kathy

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Monday, November 16, 2015 3:21 PM  
**To:** Paradine, Dennis FLNR:EX; Hopkins, Kathy L FLNR:EX; Tesch, David ENV:EX  
**Subject:** MOE and MM#13 -- WP

Hi Kathy and Dennis.

Can you let me know if you have reached out to staff in MOE on this WP piece. If so, can you tell us who and where you are at on the WP piece. Thank you.

Ward

**From:** Tesch, David ENV:EX  
**To:** Hopkins, Kathy L.FLNR:EX  
**Subject:** Accepted: Ministers Mandate 13

---

**From:** Tesch, David ENV:EX  
**To:** Hopkins, Kathy L.FLNR:EX  
**Subject:** Accepted: Ministers Mandate 13

---

**From:** Trotter, Ward FLNR:EX  
**To:** Paradine, Dennis FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX  
**Subject:** draft for MM13 timeline  
**Date:** November 18, 2015 11:35:06 AM  
**Attachments:** MM13 timeline (3).docx

---

Hi Dennis.

Based on the ADM call this am and then a check in with the DMO I have updated the draft timelines attachment. We can discuss on our call this afternoon. I am not sure about the MOE – FLNR linkage/management. We did not discuss this part with DP on the ADM call but I did with Tom in a de-brief and DMO.

Thanks

ward

Page 139

Withheld pursuant to/removed as

s.12;s.13



**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** Accepted: MM #13

---

**From:** Trotter, Ward FLNR:EX  
**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Subject:** BNI MM13 Progress and Workplan  
**Date:** November 18, 2015 1:26:32 PM  
**Attachments:** BNI MM13 Progress and Workplan.docx

---

Draft IN for our discussions at 2.

Thanks

ward

Page 142 to/à Page 143

Withheld pursuant to/removed as

s.12;s.13

Page 144

Withheld pursuant to/removed as

s.12

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Tesch, David ENV:EX](#); [Mason, Wenda FLNR:EX](#)  
**Cc:** [Hopkins, Kathy L FLNR:EX](#)  
**Subject:** RE: BNI MM13 Progress and Workplan  
**Date:** November 18, 2015 3:26:34 PM  
**Attachments:** [BNI MM13 Progress and Workplan dp.docx](#)

---

Hi Ward et al.,

Here is the updated BNI based on the phone call today.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 1:27 PM

**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX

**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

Page 146 to/à Page 149

Withheld pursuant to/removed as

s.12;s.13

**From:** [Llewellyn-Thomas, Marnie ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: MML #5/#13 and scheduling the ADMs for next week  
**Date:** November 18, 2015 4:40:38 PM

---

I'm on it.



~Marnie

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, November 18, 2015 4:40 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: MML #5/#13 and scheduling the ADMs for next week

Thanks Ward,

Marnie, could you please schedule a time for us (Ward, Dave P, Kaaren and myself) next week as we discussed. Ward will substitute for Tom.

Regards,

D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 4:34 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: MML #5/#13 and scheduling the ADMs for next week

I am comfortable with this and I feel I can represent Tom on this so let's proceed.

thanks

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, November 18, 2015 4:17 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** MML #5/#13 and scheduling the ADMs for next week  
**Importance:** High

Hi Ward,

We are having a little trouble scheduling Tom for the MML #5/#15 briefing note discussion we agreed to set up for next week. Brenda L is suggesting you sit in for Tom, but you will likely be there anyway. So do you think we can proceed with the meeting with Dave P, Kaaren, you and me next week (sometime after Monday)? I'm not sure we have much choice given the timeframes we are trying to hit.

I'm copying Marnie on this since she has access to Kaaren's and my schedule.

Regards,

D.

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Jacobsen, Peter W FLNR:EX](#); [Maedel, Dave FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#)  
**Subject:** draft BNI MM13/5 Progress and Workplan  
**Date:** November 18, 2015 8:04:59 PM  
**Attachments:** [BNI MM13 Progress and Workplan dp.docx](#)

---

Hi folks

Dave M. as we discussed with Peter late this afternoon, here is the draft IN with two attachments. I have made a few changes to the one Dennis sent at 327 today so please have a look at this one. Have a review and provide comments back to the group but Dennis is holding pen at this point as not is coming out of his branch.

Ward

---

**rom:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, November 18, 2015 3:27 PM  
**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** RE: BNI MM13 Progress and Workplan

Hi Ward et al.,

Here is the updated BNI based on the phone call today.

Dennis Paradine

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---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 1:27 PM  
**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward



Page 152 to/à Page 155

Withheld pursuant to/removed as

s.12;s.13

**From:** Maedel, Dave FLNR:EX  
**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan  
**Date:** November 19, 2015 2:38:00 PM

---

I am good with this. Per our discussion please include Bob at the ADM level.  
The interesting thing for me will be whether an opportunity develops to put some concrete recommendations forward.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 8:05 PM  
**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** draft BNI MM13/5 Progress and Workplan

Hi folks

Dave M. as we discussed with Peter late this afternoon, here is the draft IN with two attachments. I have made a few changes to the one Dennis sent at 327 today so please have a look at this one. Have a review and provide comments back to the group but Dennis is holding pen at this point as not is coming out of his branch.

Ward

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, November 18, 2015 3:27 PM  
**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** RE: BNI MM13 Progress and Workplan

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Dennis Paradine

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---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 1:27 PM  
**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Scheduling ADM's for MML BN Discussion.  
**Date:** November 19, 2015 2:52:19 PM

---

Yes, on my side I will need to include EDs: Peter and Dave as being ok with message. I can manage this piece.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 2:50 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: Scheduling ADM's for MML BN Discussion.

Essentially, Marnie was getting a fair bit of push back on finding a time next week for all the ADM's and others to get together. The earliest time that was shaping up was the second week of December. So I'm thinking a meeting is not the way to go.

How about this instead:

We prep the BN and material for Monday as planned. Then you and I send out a joint email to the ADM's (and ED's responsible) asking for folks to comment or endorse electronically by the end of the week. We can then include any comments that materialize and prepare the briefing material for DM's and minister's.

Does that sound like a reasonable alternative?

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Thursday, November 19, 2015 12:59 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Scheduling ADM's for MML BN Discussion.

My cell is s.22 .....I don't have a magic bullet for this Dave.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 11:57 AM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** Scheduling ADM's for MML BN Discussion.

Hey Ward,

We are having a bit of trouble scheduling the 3 FLNRO ADM's for this call next week. Do you have a moment this afternoon to chat quickly about the best way to approach this.

Regards,

D.

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Scheduling ADM's for MML BN Discussion.  
**Date:** November 19, 2015 2:56:34 PM

---

Ok wait. It might be better to go to Kaaren and Tom and have one of their offices (eg their Admin) send it out to the other ADMs

ward

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 2:50 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: Scheduling ADM's for MML BN Discussion.

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**Subject:** RE: Scheduling ADM's for MML BN Discussion.  
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---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 11:57 AM  
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Hey Ward,

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Regards,

D.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Rudson, Alan FLNR:EX](#)  
**Cc:** [Slydell, Caroline FLNR:EX](#); [Boyle, Naomi FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Maedel, Dave FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan  
**Date:** November 19, 2015 3:48:26 PM  
**Attachments:** [BNI MM13 Progress and Workplan.docx](#)

---

Hi All,

Here is the good version of the briefing note for entering into the approvals process. I cleaned up a couple of phone numbers, and, of note, put a caveat below the workplan regarding the need for potential Treasury Board review of the submission if financial asks are being made.

**Alan**, given that it is moving first in our chain of command, your approval is first needed. Ward and Peter have seen and commented on this note.

**Naomi/Caroline** – not sure which of you will be starting the CLIFF process, doing the detailed edit etc – this is a joint climate BN for both Peter and Ward to approve.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 8:05 PM

**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX

**Cc:** Paradine, Dennis FLNR:EX

**Subject:** draft BNI MM13/5 Progress and Workplan

Hi folks

Dave M. as we discussed with Peter late this afternoon, here is the draft IN with two attachments. I have made a few changes to the one Dennis sent at 327 today so please have a look at this one. Have a review and provide comments back to the group but Dennis is holding pen at this point as not is coming out of his branch.

Ward

---

**rom:** Paradine, Dennis FLNR:EX

**Sent:** Wednesday, November 18, 2015 3:27 PM

**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX

**Cc:** Hopkins, Kathy L FLNR:EX

**Subject:** RE: BNI MM13 Progress and Workplan

Hi Ward et al.,

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Dennis Paradine

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British Columbia Ministry of Forests, Lands and Natural Resource Operations

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---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 1:27 PM

**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX

**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

Page 161 to/à Page 164

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan  
**Date:** November 19, 2015 4:14:04 PM

---

I don't know, but will check.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 4:02 PM  
**To:** Paradine, Dennis FLNR:EX; Rudson, Alan FLNR:EX  
**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan

Thanks Dennis,

Not being an expert at CLIFF, is there an NRS version that would allow this note to advance in both the FLNRO and ENV streams without having to CLIFF it twice?

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, November 19, 2015 3:48 PM  
**To:** Rudson, Alan FLNR:EX  
**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan

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**Sent:** Wednesday, November 18, 2015 8:05 PM  
**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** draft BNI MM13/5 Progress and Workplan



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Ward

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**Sent:** Wednesday, November 18, 2015 3:27 PM

**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX

**Cc:** Hopkins, Kathy L FLNR:EX

**Subject:** RE: BNI MM13 Progress and Workplan

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---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 1:27 PM

**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX

**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

**From:** [Maedel, Dave FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Tesch, David ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#)  
**Subject:** Re: Mandate #13 ED Meeting: Concepts  
**Date:** November 19, 2015 4:36:02 PM

---

I am up for a meeting.

Dave Maedel

On Nov 19, 2015, at 4:02 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Ward et al.,

Today we had a very productive meeting with the Resource Stewardship (Forests) group to discuss potential avenues for the forests response to Minister's Mandate #13. To help ensure that the future Cabinet Submission – Decision lands, it was suggested that the ED group meet to discuss concepts for the responses for the three themes: forests, water and wildfire, and what concepts should be included in drafts of the submission.

For example, the 'forests' portion of the response could be arranged around any of the following, and the response to Cabinet would differ around which concept is chosen:

- <!--[if !supportLists]-->1.<!--[endif]-->Forests in the narrow forest timber / economic foundation sense: leading to a response on how to protect forests from the changing climate, genetic stock, climate based seed transfer, etc.
- <!--[if !supportLists]-->2.<!--[endif]-->Forests in the broader forests over the landscape sense: leading to a more integrated response considering other natural resource values
- <!--[if !supportLists]-->3.<!--[endif]-->A response could be aligned around next steps and implementation from the Future Forests Ecosystems Initiative, and include foundational science and data, as well as on the ground extension and decisions on implementation.

Similar choices on concepts for the response would be needed for water and wildfire, with the final choice likely dependent what will resonate with Cabinet, level of ambition and needs for the Ministry to alert decision makers to issues. Our ADMs or Deputies may want to help shape this.

Please let me know if I should schedule an ED level meeting.

Thanks,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Maedel, Dave FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Cc:** [Hopkins, Kathy L FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#)  
**Subject:** Re: Mandate #13 ED Meeting: Concepts  
**Date:** November 19, 2015 6:56:08 PM

---

I am good with an ED meeting as well. However you will also need to talk to Glen and Wenda for FLNR perspective (Dave T?) for the water so you should proceed with this as well

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, November 19, 2015 4:02 PM  
**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Cc:** Hopkins, Kathy L FLNR:EX; Davis, Jennifer C FLNR:EX  
**Subject:** Mandate #13 ED Meeting: Concepts

---

Hi Ward et al.,

Today we had a very productive meeting with the Resource Stewardship (Forests) group to discuss potential avenues for the forests response to Minister's Mandate #13. To help ensure that the future Cabinet Submission – Decision lands, it was suggested that the ED group meet to discuss concepts for the responses for the three themes: forests, water and wildfire, and what concepts should be included in drafts of the submission.

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1. Forests in the narrow forest timber / economic foundation sense: leading to a response on how to protect forests from the changing climate, genetic stock, climate based seed transfer, etc.
2. Forests in the broader forests over the landscape sense: leading to a more integrated response considering other natural resource values
3. A response could be aligned around next steps and implementation from the Future Forests Ecosystems Initiative, and include foundational science and data, as well as on the ground extension and decisions on implementation.

Similar choices on concepts for the response would be needed for water and wildfire, with the final choice likely dependent what will resonate with Cabinet, level of ambition and needs for the Ministry to alert decision makers to issues. Our ADMs or Deputies may want to help shape this.

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Dennis Paradine

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*Nature and commerce*

**From:** [Slydell, Caroline FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#); [Rudson, Alan FLNR:EX](#)  
**Cc:** [Boyle, Naomi FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Maedel, Dave FLNR:EX](#)  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan  
**Date:** November 20, 2015 10:12:47 AM

---

Hi David, yes I believe you are right, the NRS version will allow this note to advance in both the FLNR and ENV cliff system. I will ensure this gets done and advise what the cliff number is.

*Caroline Slydell*

Executive Administrative Assistant to  
Dave Peterson, Assistant Deputy Minister  
Tenures, Competitiveness & Innovation Division  
Ministry of Forests, Lands and Natural Resource Operations  
Phone: 250-387-1057  
Email: [Caroline.Slydell@gov.bc.ca](mailto:Caroline.Slydell@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 4:02 PM  
**To:** Paradine, Dennis FLNR:EX; Rudson, Alan FLNR:EX  
**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan

Thanks Dennis,

Not being an expert at CLIFF, is there an NRS version that would allow this note to advance in both the FLNRO and ENV streams without having to CLIFF it twice?

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, November 19, 2015 3:48 PM  
**To:** Rudson, Alan FLNR:EX  
**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: draft BNI MM13/5 Progress and Workplan

Hi All,

Here is the good version of the briefing note for entering into the approvals process. I cleaned up a couple of phone numbers, and, of note, put a caveat below the workplan regarding the need for potential Treasury Board review of the submission if financial asks are being made.

**Alan**, given that it is moving first in our chain of command, your approval is first needed. Ward and Peter have seen and commented on this note.

**Naomi/Caroline** – not sure which of you will be starting the CLIFF process, doing the detailed edit etc – this is a joint climate BN for both Peter and Ward to approve.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 8:05 PM  
**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** draft BNI MM13/5 Progress and Workplan

Hi folks

Dave M. as we discussed with Peter late this afternoon, here is the draft IN with two attachments. I have made a few changes to the one Dennis sent at 327 today so please have a look at this one. Have a review and provide comments back to the group but Dennis is holding pen at this point as not is coming out of his branch.

Ward

---

**rom:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, November 18, 2015 3:27 PM  
**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** RE: BNI MM13 Progress and Workplan

Hi Ward et al.,

Here is the updated BNI based on the phone call today.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 1:27 PM  
**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

**From:** Tesch, David ENV:EX  
**To:** Hopkins, Kathy L.FLNR:EX  
**Subject:** Accepted: Ministers Mandate 13 - meeting room & dial in

---

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Llewellyn-Thomas, Mamie ENV:EX](#)  
**Subject:** FW: draft BNI MM13/5 Progress and Workplan  
**Date:** November 23, 2015 12:22:38 PM  
**Attachments:** [BNI MM13 Progress and Workplan dp.docx](#)

---

My comments as promised. Happy to discuss –  
Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, November 19, 2015 11:19 AM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: draft BNI MM13/5 Progress and Workplan

Hi Kaaren,

As per your other email, here is the most recent version of the briefing note for MML #5/13. This version has had one additional round of edits from the hardcopy I left you.

Regards,  
D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, November 18, 2015 8:05 PM  
**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** draft BNI MM13/5 Progress and Workplan

Hi folks

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British Columbia Ministry of Forests, Lands and Natural Resource Operations

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**Sent:** Wednesday, November 18, 2015 1:27 PM  
**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward



Page 174 to/à Page 177

Withheld pursuant to/removed as

s.12;s.13

**From:** Paradine, Dennis FLNR:EX  
**To:** Hopkins, Kathy L FLNR:EX; Trotter, Ward FLNR:EX; Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Neale, Tina ENV:EX; Pike, Robin G ENV:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Fraser, Jenny D ENV:EX  
**Cc:** Havana-Hegg, Brooklyn ENV:EX; Cameron, Valerie Z FLNR:EX; Spittlehouse, Dave FLNR:EX; Tschaplinski, Peter J ENV:EX  
**Subject:** RE: Mandate 13: Water: Follow up from today's meeting  
**Date:** November 24, 2015 3:41:24 PM  
**Attachments:** NRS BNI 105.docx  
NRS BNI 105 Attachment 2.docx

---

Thanks Kathy,

For item #1, the meeting with ED's is arranged – I believe that the action item was for Ward to arrange a meeting of the ADM's. The current draft of the BN is attached for all.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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*Nature and commerce*

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Tuesday, November 24, 2015 2:48 PM  
**To:** Trotter, Ward FLNR:EX; Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Neale, Tina ENV:EX; Pike, Robin G ENV:EX; Paradine, Dennis FLNR:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Fraser, Jenny D ENV:EX  
**Cc:** Havana-Hegg, Brooklyn ENV:EX; Cameron, Valerie Z FLNR:EX; Spittlehouse, Dave FLNR:EX; Tschaplinski, Peter J ENV:EX  
**Subject:** Mandate 13: Water: Follow up from today's meeting

Hi all,

Thanks for the chance to get together with you today to start shaping the water response to Mandate #13 (FLNR)/ #5 (MOE)

The action items I noted were:

- 1) Ward to arrange a meeting with ED's
- 2) David to arrange a meeting for the group of four (Lynn, Glen, et al)
- 3) Dennis to initiate a structure for the response and solicit input.

I wasn't able to find a copy of the second briefing note: Ward or Dennis I wonder if you might have it to circulate.

Kathy

**Kathy Hopkins RPF** Phone 250-387-2112 or 604-594-9568

**Technical Advisor, Climate Change**

**BC Ministry of Forests, Lands, and Natural Resource Operations**

**Competitiveness and Innovation Branch**

*Adapting BC's Natural Resource Management to Climate Change*

<http://www.for.gov.bc.ca/het/climate/index.htm>

---

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NATURE AND COMMERCE"

Page 179 to/à Page 183

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX  
**To:** Hopkins, Kathy L FLNR:EX; Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Neale, Tina FLNR:EX; Pike, Robin G ENV:EX; Paradine, Dennis FLNR:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Fraser, Jenny D ENV:EX  
**Cc:** Havana-Hegg, Brooklyn ENV:EX; Cameron, Valerie Z FLNR:EX; Spittlehouse, Dave FLNR:EX; Tschaplinski, Peter J ENV:EX  
**Subject:** Re: Mandate 13: Water: Follow up from today's meeting  
**Date:** November 24, 2015 4:25:25 PM

---

Thanks Kathy for sending this

For #1. I was to book ADM meeting in early Jan. The ED meeting was already booked for Nov 4

For #3 Dennis was to circulate draft by Dec 8 (or10?)

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Tuesday, November 24, 2015 2:47 PM  
**To:** Trotter, Ward FLNR:EX; Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Neale, Tina ENV:EX; Pike, Robin G ENV:EX; Paradine, Dennis FLNR:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Fraser, Jenny D ENV:EX  
**Cc:** Havana-Hegg, Brooklyn ENV:EX; Cameron, Valerie Z FLNR:EX; Spittlehouse, Dave FLNR:EX; Tschaplinski, Peter J ENV:EX  
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---

"MULTIDISCIPLINED

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NATURE AND COMMERCE"

**From:** Tesch, David ENV:EX  
**To:** Davis, Celine ENV:EX; Davidson, Glen W FLNR:EX; Kriwoken, Lynn ENV:EX  
**Subject:** RE: Mandate 13: Water: Follow up from today's meeting  
**Date:** November 24, 2015 4:55:00 PM

---

Since we will all be at the Drought Debrief Workshop tomorrow and possibly Thursday, I'm wondering if we can't steal away for an hour and discuss the what we want to say for the Water part of the MML #5/#13.

Glen and I were thinking perhaps first thing on Thursday morning?

Regards,

D.

---

**From:** Hopkins, Kathy L FLNR:EX  
**Sent:** Tuesday, November 24, 2015 2:48 PM  
**To:** Trotter, Ward FLNR:EX; Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Neale, Tina ENV:EX; Pike, Robin G ENV:EX; Paradine, Dennis FLNR:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Fraser, Jenny D ENV:EX  
**Cc:** Havana-Hegg, Brooklyn ENV:EX; Cameron, Valerie Z FLNR:EX; Spittlehouse, Dave FLNR:EX; Tschaplinski, Peter J ENV:EX  
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---

"MULTIDISCIPLINED

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**From:** Trotter, Ward FLNR:EX  
**To:** Paradine, Dennis FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** FW: NR Board and ELUC dates for Mandate #13  
**Date:** December 1, 2015 1:37:36 PM  
**Attachments:** image001.png

---

Hello

Fyi – dates are confirmed as per emails below.

ward

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Tuesday, December 1, 2015 1:01 PM  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX  
**Cc:** Di Georgio, Alexis FLNR:EX  
**Subject:** RE: NR Board and ELUC dates for Mandate #13  
Good catch, Brenda!

NR Board has been moved to Feb. 10. You are confirmed on Feb. 10 NRB and March 3 ELUC. Material for NRB will be due on Feb. 5 and Gordon will be sending out detailed due dates for ELUC materials when he returns on Monday.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Tuesday, December 1, 2015 11:43 AM  
**To:** Trotter, Ward FLNR:EX; Rousselle, Jillian FLNR:EX  
**Cc:** Di Georgio, Alexis FLNR:EX  
**Subject:** RE: NR Board and ELUC dates for Mandate #13  
Just to advise but February 8<sup>th</sup> is family day ☺  
According to Google.

**BC Family Day**  
Second Monday in February

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, December 1, 2015 11:16 AM  
**To:** Rousselle, Jillian FLNR:EX  
**Cc:** Larkin, Brenda FLNR:EX; Di Georgio, Alexis FLNR:EX  
**Subject:** NR Board and ELUC dates for Mandate #13  
Hi Jillian

As we discussed a week or so ago on the phone, I am requesting that we get a marker in for these dates for a 10 to 15 min presentation to both the NRS-BOARD (February 8) and then to ELUC (March 3).

The purpose is for FLNR to present update and outcome of our work on MM letter #13 (which is linked to MOE – MM Letter#5):

FLNR and MOE Ministers' Mandate Letters (#13 and #5) state: *"Working with the MOE (FLNR), undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change".*

Please let me know if you require anything further.

Thanks

Ward

# BC Family Day

Second Monday in February 1871 of 461

**From:** [Barillaro, Scott W ENV:EX](#)  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Kriwoken, Lynn ENV:EX](#)  
**Subject:** Re: NR Board and ELUC dates for Mandate #13 (#5)  
**Date:** December 1, 2015 5:35:48 PM  
**Attachments:** [image001.png](#)  
[image001.png](#)

---

Thanks. I will put it on the forward agenda so we don't lose it in the shuffle.

WSB

On Dec 1, 2015, at 5:31 PM, Lewis, Kaaren ENV:EX <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)> wrote:

Hi Scott – please see the email trail.

This is a FLNRO lead, but we should get this into our calendar/forecast as ENV is support and is actively engaged.

Thanks

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, December 1, 2015 3:11 PM  
**To:** Lewis, Kaaren ENV:EX; Kriwoken, Lynn ENV:EX  
**Subject:** FW: NR Board and ELUC dates for Mandate #13 (#5)  
We have our NRB and ELUC dates scheduled.  
Regards,  
D.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, December 1, 2015 1:38 PM  
**To:** Paradine, Dennis FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** FW: NR Board and ELUC dates for Mandate #13  
Hello  
Fyi – dates are confirmed as per emails below.  
ward

---

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**Sent:** Tuesday, December 1, 2015 1:01 PM  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX  
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**Subject:** RE: NR Board and ELUC dates for Mandate #13  
Good catch, Brenda!  
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**From:** Larkin, Brenda FLNR:EX  
**Sent:** Tuesday, December 1, 2015 11:43 AM  
**To:** Trotter, Ward FLNR:EX; Rousselle, Jillian FLNR:EX  
**Cc:** Di Giorgio, Alexis FLNR:EX  
**Subject:** RE: NR Board and ELUC dates for Mandate #13



Just to advise but February 8<sup>th</sup> is family day ☺  
According to Google.

## BC Family Day

Second Monday in February

---

**From:** Trotter, Ward FLNR:EX

**Sent:** Tuesday, December 1, 2015 11:16 AM

**To:** Roussele, Jillian FLNR:EX

**Cc:** Larkin, Brenda FLNR:EX; Di Georgio, Alexis FLNR:EX

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FLNR and MOE Ministers' Mandate Letters (#13 and #5) state: *"Working with the MOE (FLNR), undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change".*

Please let me know if you require anything further.

Thanks

Ward

# BC Family Day

Second Monday in February 1990 of 461

# BC Family Day

Second Monday in February 1991 of 461

**From:** Paradine, Dennis FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Updated climate change indicators published to EnvReportBC  
**Date:** December 1, 2015 8:04:22 PM  
**Attachments:** image002.png

---

Most excellent. Thanks Dave.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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*Nature and commerce*

---

**From:** Tesch, David ENV:EX

**Sent:** Tuesday, December 1, 2015 3:09 PM

**To:** Trotter, Ward FLNR:EX; Davidson, Glen W FLNR:EX; Kriwoken, Lynn ENV:EX; Davis, Celine ENV:EX

**Cc:** Hopkins, Kathy L FLNR:EX; Paradine, Dennis FLNR:EX

**Subject:** FW: Updated climate change indicators published to EnvReportBC

I had mentioned these were in draft at the MML Water meeting. They are approved now and Environmental Reporting has just released these 3 climate change indicators. The first 2 indicators may be of use in our MML preparations.

Regards,

D.

---

**From:** Hazlitt, Stephanie L ENV:EX

**Sent:** Tuesday, December 1, 2015 1:42 PM

**To:** White, Thomas ENV:EX; Maxwell, Jennifer A ENV:EX; 'Faron Anslow'; Spence, Suzanne ENV:EX; Tesch, David ENV:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Hudson, Kimberley GCPE:EX; Barillaro, Scott W ENV:EX

**Cc:** Teucher, Andy ENV:EX; O'Keefe, Sarah ENV:EX; Wang, Jane ENV:EX; Mount, Craig A ENV:EX; Milne, Jillian GCPE:EX

**Subject:** FYI: Updated climate change indicators published to EnvReportBC  
FYI

Environmental Reporting BC and the Climate Action Secretariat have updated 3 on-line climate change indicators for British Columbia:

<http://www.env.gov.bc.ca/soe/indicators/climate-change/>

Updated December 2015:

Change in Size of B.C. Glaciers (1985-2005)

Long-term Change in Heat Energy Available for Plant Growth in B.C.

Long-term Change in Energy Requirements for Heating & Cooling Buildings in B.C.

These indicators are based on analyses conducted by the Pacific Climate Impacts Consortium and published by the Climate Action Secretariat in 'Indicators of Climate Change for British Columbia (2015 Update)'. Two additional on-line climate change indicators – Long-term Change in Precipitation and Long-term Change in Air Temperature – were published with the report in July 2015. The results data supporting these updated climate change indicators are available through the BC Data Catalogue under the Open Government License - BC.

Cheers, Stephanie

-----

Stephanie Hazlitt, PhD

Unit Head, State of Environment Reporting  
BC Ministry of Environment  
Telephone: (250) 387-2031



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194 of 461

**From:** Tesch, David ENV:EX  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** Accepted: Fw: Minister"s Mandate #13 - Flow and Concepts for Response

---

**From:** Hopkins, Kathy L FLNR:EX  
**To:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX; Davis, Celine ENV:EX; Davidson, Glen W FLNR:EX; Kriwoken, Lynn ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX  
**Subject:** RE: Summary of Water Theme Discussion for MML#5/#13  
**Date:** December 4, 2015 9:02:07 AM

---

Thanks for sharing this, Ward. For the 'Impacts' section of the water response, we may want to highlight such things as:

- Drought effects on communities, industry, fish and wildlife, forest productivity, etc.
  - Implications for both surface water and ground water;
- Flood risk from increased frequency and intensity of extreme events (rivers, landslides, dams etc.);
  - Implications for public safety, etc.
- Sea level rise implications for values & resources within the joint mandate of MOE & FLNR;
- Temperature effects on streams, with implications for fish and the species that rely upon them (e.g. bears – with cascading consequences for hunting and viewing);
- Glacier melt consequences for stream flow quantity and timing: implications for hydro generation, communities, fish, etc.

Many of these risks fall into the categories of too little, too much, wrong kind, and inconvenient timing.

A description of the impacts could provide a rationale and frame for all the great work we're doing. It could also help to make a compelling case to improve the hydrometric network, a fundamentally important source of data to support water allocation decisions. Here is a link to the report we did on this a few months ago on [Data and models to support water allocation decisions in a changing climate](#).

A changing climate and increased variability (more extremes) have real and expensive consequences for BC infrastructure, communities, and industries.

In my view, Mandate 13 presents a singular opportunity to make a case to Cabinet for the things the Province needs to minimize these consequences.

The view from my window,  
Kathy

**Kathy Hopkins RPF** Phone 250-387-2112 or 604-594-9568

**Technical Advisor, Climate Change**

**BC Ministry of Forests, Lands, and Natural Resource Operations**

**Competitiveness and Innovation Branch**

[Adapting BC's Natural Resource Management to Climate Change](#)

<http://www.for.gov.bc.ca/het/climate/index.htm>

---

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NATURE AND COMMERCE"

---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, December 2, 2015 8:23 AM

**To:** Tesch, David ENV:EX; Davis, Celine ENV:EX; Davidson, Glen W FLNR:EX; Kriwoken, Lynn ENV:EX; Paradine, Dennis FLNR:EX; Hopkins, Kathy L FLNR:EX; Mason, Wenda FLNR:EX

**Subject:** RE: Summary of Water Theme Discussion for MML#5/#13

Thanks for sharing this and thank you everyone who pulled this together. As we theme and pull this



together we might want to discuss if we have a list of 'top' thinks that are not being done or we could enhance and do better ( estimate what is needed to do this). This might not make it into Sub itself but might be good info for the DM/Ministers.

ward

---

**From:** Tesch, David ENV:EX

**Sent:** Tuesday, December 1, 2015 10:48 AM

**To:** Davis, Celine ENV:EX; Davidson, Glen W FLNR:EX; Kriwoken, Lynn ENV:EX; Trotter, Ward FLNR:EX; Paradine, Dennis FLNR:EX; Hopkins, Kathy L FLNR:EX

**Subject:** Summary of Water Theme Discussion for MML#5/#13

On November 26<sup>th</sup>, Celine, Glen and myself met to discuss the water theme for the MML #5/#13. The purpose was to frame out some ideas for what would get put into the cab sub for the water theme. Here is a summary of my notes from that.

Regards,

D.

---

**Status:**

Initiatives are underway under the WSA

Climate Actions plans in FLNRO and ENV developed and currently being implemented

**Activities currently underway in FLNRO and ENV:**

WSA regulations being developed to address use and management actions during scarcity

Climate Leadership proposal developed

Water/Snow/Glacier indicators and trends analysis developed under CAS and Environmental Reporting

Development of Environmental Flows

Sea level Rise analysis (Fraser River) – updated impacts of Sea level rise is being worked on

GW Obs Well network real time reporting of aquifer status – to be used to help manage water resources in times of scarcity and changing climate

**Things still being worked on in FLNRO and ENV:**

Water Allocation Guidelines and Policy

Review of existing policy and guidelines and procedures to be amended to include climate change. (Allocation, dam safety)

With new tools under WSA already addressing water allocation during times of scarcity with an eye to changing climate.

Inventory and science

**Other comments:**

We had a brief discussion about categories for framing up the response: Policy; Science and Information; Inventory and Monitoring.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Hopkins, Kathy L FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Cc:** [Davis, Jennifer C FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Tesch, David ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Subject:** RE: Minister's Mandate #13 - First Draft Cabinet Submission  
**Date:** December 4, 2015 2:50:33 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision.docx](#)

---

Hi All,

Here is a very rough first draft of the MM13 Cabinet Submission for discussion today. Sending only to those who I think will be in attendance as I expect it will change substantially over the next few days. Some sections are filled in, some are not.

Note that the CabSub instructions are contained in the yellow highlighted comments.

Today's meeting / call is to gain direction on the flow and concepts for the submission, so the focus will be on what the options should be and then how to build the background / context and other sections around the options.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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*Nature and commerce*

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

**From:** Paradine, Dennis FLNR:EX

**Sent:** Monday, November 23, 2015 4:14 PM

**To:** Paradine, Dennis FLNR:EX; Maedel, Dave FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Davidson, Glen W FLNR:EX; Nicholls, Diane R FLNR:EX; Hopkins, Kathy L FLNR:EX; Sandland, James FLNR:EX

**Cc:** Davis, Jennifer C FLNR:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX; Turner, Robert FLNR:EX

**Subject:** Minister's Mandate #13 - Flow and Concepts for Response

**When:** Friday, December 4, 2015 3:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** FLNR R Victoria 1520 Blanshard 3rd Fl RM 324 (seats 14) FLNR:EX

**Conference Call Information:**

**1-877-353-9184**

s.15

Hi Everyone,

Scheduling an hour to start the discussion on the flow and concepts for the Minister's Mandate Letter #13 cabinet submission. The goal for this meeting is to come to an understanding of:

- What the ask(s) might be from the submission
- What the focus areas might be for each of water, wildfire and forests (i.e., what may resonate at cabinet level)
- What climate change impacts content needs to be included

Once we understand the narrative for the submission (a 5-page decision note + powerpoint deck), we can float it up for signals as to whether we are hitting the target – hopefully making drafting of specifics and approvals a lot easier.

Jennifer and Val – including both of you on the invite as it appears that both Glen and Diane are away next week.

Thanks!

Dennis

Page 200 to/à Page 206

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX  
**To:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Jacobsen, Peter W FLNR:EX; Hopkins, Kathy I FLNR:EX; Tesch, David ENV:EX; Davidson, Glen W FLNR:EX; Mason, Wenda FLNR:EX; Cameron, Valerie Z FLNR:EX; Davis, Jennifer C FLNR:EX; Barber, Brian FLNR:EX; Bronstein, Nancy FLNR:EX; Kriwoken, Lynn ENV:EX  
**Subject:** FW: Our Changing Climate - Evidence in B.C.  
**Date:** December 7, 2015 8:07:02 AM

---

Looks like some great work here. Please check out the links. I apologize in advance if you already received this information.

ward

---

**From:** O'Keefe, Sarah ENV:EX  
**Sent:** Wednesday, December 2, 2015 4:02 PM  
**To:** ENV Climate Action Secretariat; ENV Interagency Adaptation Committee  
**Subject:** Our Changing Climate - Evidence in B.C.

Greetings! We are happy to announce the launch of a new set of climate indicators for British Columbia

Future changes projected by models may be uncertain, but significant observed impacts are already here.

As part of our efforts to collect evidence of a changing climate the Climate Action Secretariat and Environmental Reporting B.C. have been working with the Pacific Climate Impacts Consortium to identify trends in our own climate. This work relies on the consistent and widespread climate monitoring done by our partners and ministries.

In the fall we updated changes to precipitation and temperature. Yesterday we posted changes to the size of glaciers, energy heating and cooling requirements and the energy available for plant growth.

We are now working to update observed changes in snow depth, snow free days, sea levels, sea surface temperature and the timing and volume of streamflow.

Please enjoy the interactive graphics and share widely!

**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** Tentative: FW: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

---


I'm tentative on this date as I will be travelling to Ottawa for the National Hydrometric Administrators meeting, just don't know what time I'm leaving.

**From:** Larkin, Brenda FLNR:EX on behalf of Trotter, Ward FLNR:EX  
**To:** Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX  
**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

---

Dial in info:

1-877-353-9184

Participant ID: e 15 

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Barillaro, Scott W JTT:EX](#)  
**Cc:** [Shoemaker, Wes AGRI:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** Re: NR Board and ELUC dates for Mandate #13  
**Date:** December 14, 2015 3:31:44 PM

---

Correct. Thanks Scott.

Sent from my iPhone

On Dec 14, 2015, at 2:47 PM, Barillaro, Scott W ENV:EX <[Scott.Barillaro@gov.bc.ca](mailto:Scott.Barillaro@gov.bc.ca)> wrote:

On behalf of Kaaren, I can confirm that we are aware and David Tesch's group is working on it. Kaaren flagged it for me. I will come out on my quarterly forecast before I leave this week.

WSB

---

**From:** Shoemaker, Wes ENV:EX  
**Sent:** Monday, December 14, 2015 2:38 PM  
**To:** Laaksonen-Craig, Susanna ENV:EX; Lewis, Kaaren ENV:EX  
**Cc:** Barillaro, Scott W ENV:EX  
**Subject:** FW: NR Board and ELUC dates for Mandate #13

Gang,

This item came up in the review of the forward ELUC agenda. Kaaren, is this your item to lead for ENV? Have you had any discussions with FLNR staff?

**Wes**

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Monday, December 14, 2015 2:32 PM  
**To:** Shoemaker, Wes ENV:EX  
**Subject:** FW: NR Board and ELUC dates for Mandate #13  
This is the joint item on March 3 ELUC.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, December 1, 2015 11:16 AM  
**To:** Rousselle, Jillian FLNR:EX  
**Cc:** Larkin, Brenda FLNR:EX; Di Georgio, Alexis FLNR:EX  
**Subject:** NR Board and ELUC dates for Mandate #13

Hi Jillian

As we discussed a week or so ago on the phone, I am requesting that we get a marker in for these dates for a 10 to 15 min presentation to both the NRS-BOARD (February 8) and then to ELUC (March 3).

The purpose is for FLNR to present update and outcome of our work on MM letter #13 (which is linked to MOE – MM Letter#5):

FLNR and MOE Ministers' Mandate Letters (#13 and #5) state: "*Working with the MOE (FLNR), undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forest of BC and make recommendations to Cabinet on strategies to protect our forests from any impacts of climate change*".



Please let me know if you require anything further.

Thanks

Ward

**From:** Tesch, David ENV:EX  
**To:** Trotter, Ward FLNR:EX  
**Subject:** Accepted: discussion on climate change and MML assignments for FLNR/MOE

---

**From:** Trotter, Ward FLNR:EX  
**To:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Nickel, Ken AGRI:EX; Romero, Jenny AGRI:EX; Tesch, David ENV:EX  
**Subject:** discussion on climate change and MML assignments for FLNR/MOE

---

Yesterday at the NR Board, Derek Sturko mentioned to our DM that AGRI needs to be tied into our work on Minister Mandate letter #13 (FLNR) #5 (MOE) so there is a coordinated approach to similar mandate commitments. So I thought I would set up a short call to have a discussion.

ward

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Next Draft of MM13 Cabinet Submission  
**Date:** January 6, 2016 12:07:58 PM  
**Attachments:** MM13 MM05 Cabinet Request for Decision Jan 5.docx

---

Hi Dave,

Please see the attached for the current draft of the MM13 submission. We'll be presenting this version, or a slightly altered one, to ADMs on Monday.

I'll give you a call later today or tomorrow to discuss.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, January 4, 2016 4:34 PM  
**To:** Cameron, Valerie Z FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX; Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX  
**Subject:** RE: Next Draft of MM13 Cabinet Submission

Thanks Valerie.

On the options – a very good catch - once conversations at executive level and with ADMs occur this week and next we'll recraft the options based on the direction given (there are a couple of different levels of ambition being discussed which may or may not mean substantive changes).

Attached is a consolidated version of the MM13 draft with all input received to date. Where comments have not yet been addressed, these are noted.

Best,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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---

**From:** Cameron, Valerie Z FLNR:EX  
**Sent:** Wednesday, December 30, 2015 10:09 AM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX; Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX  
**Subject:** FW: Next Draft of MM13 Cabinet Submission

Hi Dennis,

I have reviewed the draft and I think you are on the right track. I have inserted a few small edits in the document in track changes, feel free to use whatever you require.

I do have one comment I would like you to consider. I had to read and re-read the options several times to determine the nuances between the 3 options. They all say that we will be proceeding on some elements of climate change adaptation, either with cabinet endorsement or without, either with additional resourcing or without. You may wish to try to clearly highlight the differences between the options to make it easier for Cabinet to distinguish them. My interpretation is that it is not exactly clear what we are requesting a Cabinet decision for.

I will not be able to brief my ED Ward on this until we both get back from holidays on Jan. 11.

Thanks for the opportunity to provide comment.

Valerie

**Valerie Z Cameron, P. Geo.**

Water Stewardship Manager  
Water Management Branch  
BC Ministry of Forests, Lands and Natural Resource Operations  
PO Box 9340 Stn Prov Govt Victoria BC V8W 9M1  
Phone (250) 387 5506  
Fax (250) 356 0605  
Email [valerie.cameron@gov.bc.ca](mailto:valerie.cameron@gov.bc.ca)

*Water for BC: Safe, Sustainable and Valued By All*

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, December 18, 2015 3:34 PM

**To:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX

**Cc:** Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX

**Subject:** Next Draft of MM13 Cabinet Submission

Hi All,

Thanks in large part to your input, please find attached the next draft of the MM13 cabinet submission. Given the space considerations for the submission (5 pages for the core piece), I've done my best to consolidate the various actions into grouped strategies, while keeping the integrity of the material provided in appendices. Please take a read through what I have done and provide suggested edits, additional text required (there is a piece in Appendix 2 needed for wildfire), etc without focussing too much on detailed text and formatting issues. Once we know that the general content and options are working we can fine tune the materials.

**James** – this is ready for your read through, discussions with Ward and strategic direction.

**Valerie, Ian and Christine** – please let me know if you want to meet next week to discuss, and also if / when you have had a chance to brief your ED(s).

Best,

Dennis

Dennis Paradine

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British Columbia Ministry of Forests, Lands and Natural Resource Operations

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Page 216 to/à Page 231

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Next Draft of MM13 Cabinet Submission  
**Date:** January 6, 2016 2:59:35 PM

---

Sure thing Dave – I'll schedule a time.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Wednesday, January 6, 2016 2:19 PM  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Subject:** RE: Next Draft of MM13 Cabinet Submission  
Thanks Dennis.

I'm quite booked up today. A conversation tomorrow would be better, perhaps at 11:00am or sometime after 2:00pm.

Regards,

D.

---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Wednesday, January 6, 2016 12:08 PM  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Next Draft of MM13 Cabinet Submission

Hi Dave,

Please see the attached for the current draft of the MM13 submission. We'll be presenting this version, or a slightly altered one, to ADMs on Monday.

I'll give you a call later today or tomorrow to discuss.

---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Monday, January 4, 2016 4:34 PM  
**To:** [Cameron, Valerie Z FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Spittlehouse, Dave FLNR:EX](#)  
**Subject:** RE: Next Draft of MM13 Cabinet Submission  
Thanks Valerie.

On the options – a very good catch - once conversations at executive level and with ADMs occur this week and next we'll recraft the options based on the direction given (there are a couple of different levels of ambition being discussed which may or may not mean substantive changes).

Attached is a consolidated version of the MM13 draft with all input received to date. Where comments have not yet been addressed, these are noted.

Best,

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---

**From:** Cameron, Valerie Z FLNR:EX

**Sent:** Wednesday, December 30, 2015 10:09 AM

**To:** Paradine, Dennis FLNR:EX

**Cc:** Sandland, James FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX; Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX

**Subject:** FW: Next Draft of MM13 Cabinet Submission

Hi Dennis,

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I do have one comment I would like you to consider. I had to read and re-read the options several times to determine the nuances between the 3 options. They all say that we will be proceeding on some elements of climate change adaptation, either with cabinet endorsement or without, either with additional resourcing or without. You may wish to try to clearly highlight the differences between the options to make it easier for Cabinet to distinguish them. My interpretation is that it is not exactly clear what we are requesting a Cabinet decision for.

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Thanks for the opportunity to provide comment.

Valerie

**Valerie Z Cameron, P. Geo.**

Water Stewardship Manager

Water Management Branch

BC Ministry of Forests, Lands and Natural Resource Operations

PO Box 9340 Stn Prov Govt Victoria BC V8W 9M1

Phone (250) 387 5506

Fax (250) 356 0605

Email [valerie.cameron@gov.bc.ca](mailto:valerie.cameron@gov.bc.ca)

*Water for BC: Safe, Sustainable and Valued By All*

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, December 18, 2015 3:34 PM

**To:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX

**Cc:** Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX

**Subject:** Next Draft of MM13 Cabinet Submission

Hi All,

Thanks in large part to your input, please find attached the next draft of the MM13 cabinet submission. Given the space considerations for the submission (5 pages for the core piece), I've done my best to consolidate the various actions into grouped strategies, while keeping the integrity of the material provided in appendices. Please take a read through what I have done and provide suggested edits, additional text required (there is a piece in Appendix 2 needed for wildfire), etc without focussing too much on detailed text and formatting issues. Once we know that the general content and options are working we can fine tune the materials.

**James** – this is ready for your read through, discussions with Ward and strategic direction.

**Valerie, Ian and Christine** – please let me know if you want to meet next week to discuss, and also if / when you have had a chance to brief your ED(s).

Best,

Dennis

Dennis Paradine



Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Turner, Robert FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Williams, Duncan FLNR:EX](#); [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** RE: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change  
**Date:** January 8, 2016 12:21:51 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 8 clean.docx](#)  
[CLP-Adaptation-Proposals-Dec4-2015.docx](#)

---

Hello All,

Attached is the draft Cab Sub for discussion during the Jan 11 Minister's Mandate #13/5 briefing. Also attached are the December drafts of the FLNR materials for Appendix 5 of the sub.

Best,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, December 9, 2015 12:12 PM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX

**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX

**Subject:** Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

**When:** Monday, January 11, 2016 2:00 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call

Dial in info:

**1-877-353-9184**

**Participant ID:** s.15

Page 236 to/à Page 268

Withheld pursuant to/removed as

s.12;s.13

**From:** [Kriwoken, Lynn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Davis, Celine ENV:EX](#)  
**Subject:** RE: Next Draft of MM13 Cabinet Submission  
**Date:** January 8, 2016 12:51:56 PM

---

David, I've given the draft a quick read. The document could use a strong rewrite with more clarity on the request, a tighter background/context, clear and distinct options and details pushed to appendix. Unfortunately I don't have my notes from our meeting, but I don't recall a budget lift request...and if there has been a change in thinking on this, the language in the cab sub needs work. I'm not recalling the path to how we've gotten here but given these commitments are from Ministers letters, Cabinet by default already supports them. So what exactly is the request or do we even need to go to ELUC?

For the ADMs briefing on Monday, I'd be inclined to present a 4-5 page deck on the issue, options, implications – rather than a draft sub. Get direction from ADMs then write the sub. Happy to weigh in more to help with tightening up the sub.

Thanks,

Lynn

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Thursday, January 7, 2016 2:47 PM  
**To:** [Kriwoken, Lynn ENV:EX](#); [Davis, Celine ENV:EX](#)  
**Subject:** FW: Next Draft of MM13 Cabinet Submission  
Hi Lynn and Celine,

I've received the 1<sup>st</sup> draft of the MML #13/#5 cabinet submission that FLNRO has been working on. I spoke to Dennis about it today, and he indicated that he had not sent it to you so I wanted to get it to you so you could have a look.

I believe it is consistent with the direction we had discussed at the meeting in November and has been incorporating some of the material we had provided. Val has also provided additional input and wording to Dennis, who has done most of the drafting so far.

I'm at home sick today, but I'll hopefully be around tomorrow to discuss if you have any questions.

Editorial comments if you have them, can go straight to Dennis and please cc me, just so I know.

I'll be updating Kaaren tomorrow on the project status and ADM's (Kaaren, Tom and others) will be briefed on the cab-sub next Monday afternoon. More editing will likely come out of that briefing.

Regards,

D.

---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Wednesday, January 6, 2016 12:08 PM  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Next Draft of MM13 Cabinet Submission  
Hi Dave,

Please see the attached for the current draft of the MM13 submission. We'll be presenting this version, or a slightly altered one, to ADMs on Monday.

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---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Monday, January 4, 2016 4:34 PM  
**To:** [Cameron, Valerie Z FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Spittlehouse, Dave FLNR:EX](#)  
**Subject:** RE: Next Draft of MM13 Cabinet Submission

Thanks Valerie.

On the options – a very good catch - once conversations at executive level and with ADMs occur this week and next we'll recraft the options based on the direction given (there are a couple of different levels of ambition being discussed which may or may not mean substantive changes).

Attached is a consolidated version of the MM13 draft with all input received to date. Where comments have not yet been addressed, these are noted.

Best,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Cameron, Valerie Z FLNR:EX

**Sent:** Wednesday, December 30, 2015 10:09 AM

**To:** Paradine, Dennis FLNR:EX

**Cc:** Sandland, James FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX; Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX

**Subject:** FW: Next Draft of MM13 Cabinet Submission

Hi Dennis,

I have reviewed the draft and I think you are on the right track. I have inserted a few small edits in the document in track changes, feel free to use whatever you require.

I do have one comment I would like you to consider. I had to read and re-read the options several times to determine the nuances between the 3 options. They all say that we will be proceeding on some elements of climate change adaptation, either with cabinet endorsement or without, either with additional resourcing or without. You may wish to try to clearly highlight the differences between the options to make it easier for Cabinet to distinguish them. My interpretation is that it is not exactly clear what we are requesting a Cabinet decision for.

I will not be able to brief my ED Ward on this until we both get back from holidays on Jan. 11.

Thanks for the opportunity to provide comment.

Valerie

**Valerie Z Cameron, P. Geo.**

Water Stewardship Manager

Water Management Branch

BC Ministry of Forests, Lands and Natural Resource Operations

PO Box 9340 Stn Prov Govt Victoria BC V8W 9M1

Phone (250) 387 5506

Fax (250) 356 0605

Email [valerie.cameron@gov.bc.ca](mailto:valerie.cameron@gov.bc.ca)

*Water for BC: Safe, Sustainable and Valued By All*

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, December 18, 2015 3:34 PM

**To:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX

**Cc:** Hopkins, Kathy L FLNR:EX; Spittlehouse, Dave FLNR:EX

**Subject:** Next Draft of MM13 Cabinet Submission

Hi All,

Thanks in large part to your input, please find attached the next draft of the MM13 cabinet submission. Given the space considerations for the submission (5 pages for the core piece), I've done my best to consolidate the various actions into grouped strategies, while keeping the integrity of the material provided in appendices. Please take a read through what I have done and provide suggested edits, additional text required (there is a piece in Appendix 2 needed for wildfire), etc without focussing too much on detailed text and formatting issues. Once we know that the general content and options are working we can fine tune the materials.

**James** – this is ready for your read through, discussions with Ward and strategic direction.

**Valerie, Ian and Christine** – please let me know if you want to meet next week to discuss, and also if / when you have had a chance to brief your ED(s).

Best,

Dennis

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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**From:** [Hopkins, Kathy L FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Bronstein, Nancy FLNR:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** RE: The impact of climate change on the glaciers of the Canadian Rocky Mountain Report  
**Date:** January 12, 2016 8:49:16 AM

---

Hi Dave,

This study, while dated, shows trends and may be of interest in responding to MM13.

Thanks to Nancy for this.

Kathy

---

**From:** Bronstein, Nancy FLNR:EX  
**Sent:** Monday, January 11, 2016 2:17 PM  
**To:** Paradine, Dennis FLNR:EX; Hopkins, Kathy L FLNR:EX  
**Subject:** The impact of climate change on the glaciers of the Canadian Rocky Mountain Report

Hello Dennis and Kathy,

Here is a interesting paper I found regarding climate change and the Canadian Rocky Mountain glaciers as a supplement to Mandate #13.

**The impact of climate change on the glaciers of the Canadian Rocky Mountain eastern slopes and implications for water resource-related adaptation in the Canadian prairies**

**"Phase I" - Headwaters of the North Saskatchewan River Basin**

[http://www.parc.ca/pdf/research\\_publications/water1.pdf](http://www.parc.ca/pdf/research_publications/water1.pdf)

Sincerely,

*Nancy Labenek Bronstein*

Nancy Labenek Bronstein, A. Ag., B.A. Geography, DBA, PMC

Policy Analyst

Competitiveness and Innovation Branch

Ministry of Forests, Lands and Natural Resources Operations

P.O Box 9514 Stn Prov Govt

2<sup>nd</sup> Fl, 1520 Blanshard Street

Victoria, B.C. V8W 9C2

Phone: 250-387-0157

Email: [Nancy.bronstein@gov.bc.ca](mailto:Nancy.bronstein@gov.bc.ca)

**From:** [Hopkins, Kathy L FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Shared from Twitter: Troubled waters ahead for shrinking Bridge Glacier in southwestern B.C. - The Globe and Mail  
**Date:** January 12, 2016 3:39:48 PM

---

Hi Dave,  
FYI in case you haven't seen this.  
kathy

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, January 4, 2016 5:12 PM  
**To:** Sandland, James FLNR:EX; Hopkins, Kathy L FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** Shared from Twitter: Troubled waters ahead for shrinking Bridge Glacier in southwestern B.C. - The Globe and Mail  
[Troubled waters ahead for shrinking Bridge Glacier in southwestern B.C. - The Globe and Mail](#)

[Download](#) the Twitter app

Dennis Paradine  
250-356-6230



**From:** [Hudson, Kimberley GCPE:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Maxwell, Jennifer A ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** RE: REQUEST - Mandate item status check - ASAP  
**Date:** January 13, 2016 10:48:47 AM

---

Awesome – thanks David!!

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, January 13, 2016 10:44 AM  
**To:** Hudson, Kimberley GCPE:EX  
**Cc:** Maxwell, Jennifer A ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: REQUEST - Mandate item status check - ASAP

Thanks Kim,

I can send you something in about an hour or so. I'm in Ottawa at the moment and will respond after this presentation is done.

Regards,  
D.

On Jan 13, 2016, at 1:35 PM, Hudson, Kimberley GCPE:EX <[Kimberley.Hudson@gov.bc.ca](mailto:Kimberley.Hudson@gov.bc.ca)> wrote:

Hi folks,

We have been asked to update one of our planning/tracking documents by GCPE HQ which contains the status of the Minister's mandate items.

Can any of you please provide a brief update to what was done last to the glacier/snowpack item? Even if it's just that the ministries continue to meet/discuss...any update would be greatly appreciated.

**5. Working with the Ministry of Forests, Lands and Natural Resource Operation, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on a wildfire access corridor in southeast British Columbia.**

**Status of mandate item – FLNRO and MOE staff meeting mid-September to discuss possible actions and the connections to CLP activities.** Ministries will work together to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC., and to make recommendations on strategies to protect values at risk.

Apologies for the tight turnaround but I need something by the end of the day (that's why I threw you on here, Dennis ☺). And I hope I'm sending this to the right people...).

Thank you!

Kim

**Kim Hudson**

Government Communications & Public Engagement

Ministry of Environment

**Tel:** 250 953.3698 | **Mobile:** 250 886.0830

**From:** Paradine, Dennis FLNR:EX  
**To:** Hudson, Kimberley GCPE:EX; Maxwell, Jennifer A ENV:EX; Tesch, David ENV:EX  
**Subject:** RE: REQUEST - Mandate item status check - ASAP  
**Date:** January 13, 2016 10:50:07 AM

---

Updated status: FLNRO and MOE ADMs met January 11 to provide direction to team on draft cabinet submission. Staff are reworking submission for delivery to deputies Jan 22. NRS Board date set for Feb. 10.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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---

**From:** Hudson, Kimberley GCPE:EX  
**Sent:** Wednesday, January 13, 2016 10:36 AM  
**To:** Maxwell, Jennifer A ENV:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** REQUEST - Mandate item status check - ASAP  
**Importance:** High

Hi folks,

We have been asked to update one of our planning/tracking documents by GCPE HQ which contains the status of the Minister's mandate items.

Can any of you please provide a brief update to what was done last to the glacier/snowpack item? Even if it's just that the ministries continue to meet/discuss...any update would be greatly appreciated.

5. Working with the Ministry of Forests, Lands and Natural Resource Operation, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on a wildfire access corridor in southeast British Columbia.

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Apologies for the tight turnaround but I need something by the end of the day (that's why I threw you on here, Dennis ☺). And I hope I'm sending this to the right people...).

Thank you!

Kim

**Kim Hudson**

Government Communications & Public Engagement

Ministry of Environment

**Tel:** 250.953.3698 | **Mobile:** 250.886.0830

**From:** [Hudson, Kimberley GCPE:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Maxwell, Jennifer A ENV:EX](#)  
**Subject:** RE: REQUEST - Mandate item status check - ASAP  
**Date:** January 13, 2016 12:50:38 PM

---

Awesome – thanks everyone! I really appreciate it ☺

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, January 13, 2016 12:47 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Hudson, Kimberley GCPE:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** Re: REQUEST - Mandate item status check - ASAP

Thanks Dennis.

Kim, here what I would say:

FLNRO and MOE are summarizing our various actions and activities with respect to the mandate letter commitment, climate change and alignment with our climate leadership plan. We have a preliminary draft of the cabinet submission that was presented to ADM's on January 11 for comment. Staff are reworking the submission for delivery to deputies by January 22. An NRS Board date is set for February 10 and an ELUC date is scheduled for March.

Regards,  
D.

On Jan 13, 2016, at 1:50 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Updated status: FLNRO and MOE ADMs met January 11 to provide direction to team on draft cabinet submission.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

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---

**From:** Hudson, Kimberley GCPE:EX  
**Sent:** Wednesday, January 13, 2016 10:36 AM  
**To:** Maxwell, Jennifer A ENV:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** REQUEST - Mandate item status check - ASAP  
**Importance:** High

Hi folks,

We have been asked to update one of our planning/tracking documents by GCPE HQ which contains the status of the Minister's mandate items.

Can any of you please provide a brief update to what was done last to the glacier/snowpack item?

Even if it's just that the ministries continue to meet/discuss...any update would be greatly appreciated.

5. Working with the Ministry of Forests, Lands and Natural Resource Operation, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on a wildfire access corridor in southeast British Columbia.

---

Status of mandate item – FLNRO and MOE staff meeting mid-September to discuss possible actions and the connections to CLP activities. Ministries will work together to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC., and to make recommendations on strategies to protect values at risk.

Apologies for the tight turnaround but I need something by the end of the day (that's why I threw you on here, Dennis 😊. And I hope I'm sending this to the right people...).

Thank you!

Kim

**Kim Hudson**

Government Communications & Public Engagement

Ministry of Environment

**Tel:** 250 953.3698 | **Mobile:** 250 886.0830

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Meier, Ian R FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Tesch, David ENV:EX](#); [Fletcher, Christine E FLNR:EX](#)  
**Cc:** [White, Thomas ENV:EX](#)  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Date:** January 18, 2016 9:25:12 AM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 17 2016.docx](#)  
[Yesterday's call.msg](#)  
**Importance:** High

---

Hi All,

During the ADM call last Monday, I was asked to modify the cabinet submission per Ward's notes in the attached e-mail. The main requests were to summarize strategies and actions in a table, and make the recommended option one where we return to cabinet with further asks. The actual strategies and actions have not changed save for wording. My next cut at the submission is attached - it will be reviewed by Dave Peterson and Tom Ethier tomorrow.

Thanks for all of your help on this, and apologies that I didn't have the time to have you to review prior to sending forward the next iteration. Please take a look through and let me know if you have any suggested changes.

Thanks,

Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Sunday, January 17, 2016 10:55 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Subject:** FOR REVIEW; MM13 CAB SUB  
**Importance:** High

Ward, James, Peter,

Attached is an updated version of the MM13 submission for your review prior to Tuesday's Dave/Tom meeting. As requested I have (i) moved some text on impacts to the appendices, (ii) added a table (thanks to Kathy) to show strategies and actions without redundancy); (iii) revised the options to reflect Tom's request for a more specific ask / relationship to CLP and other asks.

A few other areas where we discussed possible changes (e.g. more background on strategic alignment) I have not yet made changes due to length and flow considerations.

I have not yet had review from Ian, Valerie and Christine.

Also, I am in a mandatory OHS training course Tues/Wed and may not be able to slip out to make the call - the instructor has previously been very tight on people missing any time at all.

Dennis

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** January-12-16 8:57 AM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Subject:** Yesterday's call

Highlights-actions

Good discussion on content; options and alignment with CLP  
+Major comment was bring more clarity in sub and to option.  
+Understanding sub was focused on adaptation  
+Need to Identify 3 or 5 major recommendations

(eg water monitoring)

+ suggestion to add table to help clarify ask-recommendation

+ suggestion to remove discussion on the what is going on to make more room. This could move to appendix. Some felt this should stay in body of sub.

+ACTION. Dennis to work with staff to build table and update-review sub and get to James-Ward by Friday

+This proct needs to go to ADM by Jan 18 for call on 19

+We expect to confirm direction next Tuesday and then we can complete drafting of sub so it is to the 2 DM by Jan 22

+ ACTION. Dennis to reach out to staff he is working with to provide update this week.

If you have corrections change from what you heard on call please cc all of us.

Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

Page 280 to/à Page 296

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX []  
**To:** Paradine, Dennis FLNR:EX [Dennis.Paradine@gov.bc.ca]; Sandland, James FLNR:EX [James.Sandland@gov.bc.ca]; Jacobsen, Peter W FLNR:EX [Peter.Jacobsen@gov.bc.ca]  
**Subject:** Yesterday's call  
**Date:** Tuesday, January 12, 2016 08:57:33

---

## Highlights-actions

Good discussion on content; options and alignment with CLP

- +Major comment was bring more clarity in sub and to option.
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- +Need to Identify 3 or 5 major recommendations  
(eg water monitoring)
- + sugction to add table to help clarify ask-recommendation
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- + ACTION. Dennis to reach out to staff he is working with to provide update this week.

If you have corrections change from what you heard on call please cc all of us.

Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.



**From:** Trotter, Ward FLNR:EX  
**To:** Kriwoken, Lynn ENV:EX; Tesch, David ENV:EX  
**Subject:** RE: FOR REVIEW; MM13 CAB SUB  
**Date:** January 19, 2016 12:38:58 PM

---

Thanks for the email Lynn. At this point Dave and tom have not seen this draft of the cab sub. Not sure about writer in CG shop. Good idea though. I think some of our discussion today's call at 1 will be around the linkage and timing of this work to CLP.

---

**From:** Kriwoken, Lynn ENV:EX  
**Sent:** Tuesday, January 19, 2016 12:01 PM  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: FOR REVIEW; MM13 CAB SUB

Ward, I just spoke with Dave and given him some detailed editorial and content comments. This draft an improvement however still needs a good scrub on terminology, grammar etc and needs to be elevated to a Cabinet audience as it currently reads like an internal note to ADM. Options and implications – still need work.

I am willing to do a final scrub but have no staff available at the moment to take it to the next step. Can a good writer in Christine G's shop help?

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, January 18, 2016 9:30 AM  
**To:** Kriwoken, Lynn ENV:EX  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Importance:** High

Hi Lynn,

Just keeping you in the loop on this. Here is the revised version coming out of the meeting with ADM's last week.

As noted by Marnie last week, ADMs will be looking at the revisions tomorrow.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, January 18, 2016 9:25 AM  
**To:** Meier, Ian R FLNR:EX; Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX; Fletcher, Christine E FLNR:EX  
**Cc:** White, Thomas ENV:EX  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Importance:** High

Hi All,

During the ADM call last Monday, I was asked to modify the cabinet submission per Ward's notes in the attached e-mail. The main requests were to summarize strategies and actions in a table, and make the recommended option one where we return to cabinet with further asks. The actual strategies and actions have not changed save for wording. My next cut at the submission is attached - it will be reviewed by Dave Peterson and Tom Ethier tomorrow.

Thanks for all of your help on this, and apologies that I didn't have the time to have you to review prior to sending forward the next iteration. Please take a look through and let me know if you have any suggested changes.

Thanks,

Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Sunday, January 17, 2016 10:55 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** FOR REVIEW; MM13 CAB SUB

**Importance:** High

Ward, James, Peter,

Attached is an updated version of the MM13 submission for your review prior to Tuesday's Dave/Tom meeting. As requested I have (i) moved some text on impacts to the appendices, (ii) added a table (thanks to Kathy) to show strategies and actions without redundancy); (iii) revised the options to reflect Tom's request for a more specific ask / relationship to CLP and other asks.

A few other areas where we discussed possible changes (e.g. more background on strategic alignment) I have not yet made changes due to length and flow considerations.

I have not yet had review from Ian, Valerie and Christine.

Also, I am in a mandatory OHS training course Tues/Wed and may not be able to slip out to make the call - the instructor has previously been very tight on people missing any time at all.

Dennis

---

**From:** Trotter, Ward FLNR:EX

**Sent:** January-12-16 8:57 AM

**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** Yesterday's call

Highlights-actions

Good discussion on content; options and alignment with CLP

+Major comment was bring more clarity in sub and to option.

+Understanding sub was focused on adaptation

+Need to Identify 3 or 5 major recommendations

(eg water monitoring)

+ suggestion to add table to help clarify ask-recommendation

+ suggestion to remove discussion on the what is going on to make more room. This could move to appendix. Some felt this should stay in body of sub.

+ACTION. Dennis to work with staff to build table and update-review sub and get to James-Ward by Friday

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+ ACTION. Dennis to reach out to staff he is working with to provide update this week.

If you have corrections change from what you heard on call please cc all of us.

Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: FOR REVIEW & APPROVAL -- NRS BNI 105 Minister's Mandate #13/#5 Progress and Workplan  
**Date:** January 19, 2016 1:30:57 PM  
**Attachments:** NRS BNI 105.docx  
NRS BNI 105 Attachment 2.docx

---

fyi

---

**From:** Slydell, Caroline FLNR:EX  
**Sent:** Friday, November 20, 2015 1:59 PM  
**To:** Rosche, Kimberly FLNR:EX  
**Cc:** Jacobsen, Peter W FLNR:EX; Trotter, Ward FLNR:EX; Rudson, Alan FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** FOR REVIEW & APPROVAL -- NRS BNI 105 Minister's Mandate #13/#5 Progress and Workplan  
Hi Kim, the attached NRS BNI 105 and attachment have been approved by Peter Jacobsen and Duncan Williams. Now for Deputy review and approval. Thanks.  
Caroline

---

**From:** Williams, Duncan FLNR:EX  
**Sent:** Friday, November 20, 2015 1:33 PM  
**To:** Slydell, Caroline FLNR:EX  
**Subject:** Re: FOR REVIEW & APPROVAL -- REVISED & FINAL NRS BNI 105 MM13/5 Progress and Workplan  
Approved  
Sent from my iPhone

---

**From:** Slydell, Caroline FLNR:EX  
**Sent:** Friday, November 20, 2015 1:22 PM  
**To:** Williams, Duncan FLNR:EX  
**Cc:** Slydell, Caroline FLNR:EX  
**Subject:** FOR REVIEW & APPROVAL -- REVISED & FINAL NRS BNI 105 MM13/5 Progress and Workplan  
Hi Duncan, further to Peter's email below, I have made the changes, now for your review and approval. Thanks Duncan.

---

**From:** Jacobsen, Peter W FLNR:EX  
**Sent:** Friday, November 20, 2015 12:34 PM  
**To:** Slydell, Caroline FLNR:EX  
**Cc:** Rudson, Alan FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Boyle, Naomi FLNR:EX  
**Subject:** RE: FOR REVIEW & APPROVAL -- REVISED & FINAL NRS BNI 105 MM13/5 Progress and Workplan  
Caroline

The BNI references 2 attachments 1 and 2 but there titles are A and B. Can we change the documents to be consistent, so either A and B or 1 and 2.  
Once that change is made I approve the document.

Thanks  
Peter Jacobsen  
Executive Director, Forest Sector Strategies  
Ministry of Forests, Lands and Natural Resource Operations  
Tel 250 387 - 8643

---

**From:** Slydell, Caroline FLNR:EX  
**Sent:** Friday, November 20, 2015 11:26 AM  
**To:** Jacobsen, Peter W FLNR:EX  
**Cc:** Rudson, Alan FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Slydell, Caroline

FLNR:EX; Boyle, Naomi FLNR:EX

**Subject:** FOR REVIEW & APPROVAL -- REVISED & FINAL NRS BNI 105 MM13/5 Progress and Workplan  
Hi Peter, further to the emails below, I have finalized the BN and cliffed it in our NRS System, so MOE will be able to access it once all of our approvals (up to the deputy minister) are in place. For your review and approval.

Thanks Peter.

Caroline ☺

---

**From:** Rudson, Alan FLNR:EX

**Sent:** Friday, November 20, 2015 10:04 AM

**To:** Paradine, Dennis FLNR:EX

**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** RE: draft BNI MM13/5 Progress and Workplan

I have signed off on the BN although there are a few acronym and capitalization issues to be addressed. Thanks.

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Thursday, November 19, 2015 3:48 PM

**To:** Rudson, Alan FLNR:EX

**Cc:** Slydell, Caroline FLNR:EX; Boyle, Naomi FLNR:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX

**Subject:** RE: draft BNI MM13/5 Progress and Workplan

Hi All,

Here is the good version of the briefing note for entering into the approvals process. I cleaned up a couple of phone numbers, and, of note, put a caveat below the workplan regarding the need for potential Treasury Board review of the submission if financial asks are being made.

**Alan**, given that it is moving first in our chain of command, your approval is first needed. Ward and Peter have seen and commented on this note.

**Naomi/Caroline** – not sure which of you will be starting the CLIFF process, doing the detailed edit etc – this is a joint climate BN for both Peter and Ward to approve.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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*We explore the interplay*

*Nature and commerce*

---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 8:05 PM

**To:** Jacobsen, Peter W FLNR:EX; Maedel, Dave FLNR:EX; Tesch, David ENV:EX

**Cc:** Paradine, Dennis FLNR:EX

**Subject:** draft BNI MM13/5 Progress and Workplan

Hi folks

Dave M. as we discussed with Peter late this afternoon, here is the draft IN with two attachments. I have made a few changes to the one Dennis sent at 327 today so please have a look at this one.

Have a review and provide comments back to the group but Dennis is holding pen at this point as not is coming out of his branch.

Ward

---

**rom:** Paradine, Dennis FLNR:EX

**Sent:** Wednesday, November 18, 2015 3:27 PM

**To:** Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Mason, Wenda FLNR:EX  
**Cc:** Hopkins, Kathy L FLNR:EX  
**Subject:** RE: BNI MM13 Progress and Workplan

Hi Ward et al.,

Here is the updated BNI based on the phone call today.

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, November 18, 2015 1:27 PM

**To:** Jacobsen, Peter W FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Mason, Wenda FLNR:EX

**Subject:** BNI MM13 Progress and Workplan

Draft IN for our discussions at 2.

Thanks

ward

Page 303 to/à Page 307

Withheld pursuant to/removed as

s.12;s.13

**From:** [White, Thomas ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: FOR REVIEW; MM13 CAB SUB  
**Date:** January 19, 2016 3:01:17 PM

---

Ok, I'll send some initial edits today. I agree it needs an overall edit.

**Thomas White**

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, January 19, 2016 2:13 PM  
**To:** White, Thomas ENV:EX  
**Subject:** Re: FOR REVIEW; MM13 CAB SUB

That would be great. If you can, send me and Lynn K your edits with track changes. We (Lynn and myself) have quite a few edits and Lynn in particular thinks it needs a good overall edit. We are proposing to ward that we (ENV) take the pen for these edits. I'm in Cranbrook at the moment so it's best to reach me by email or text s.22

Regards,  
D.

On Jan 19, 2016, at 2:59 PM, White, Thomas ENV:EX <[Thomas.White@gov.bc.ca](mailto:Thomas.White@gov.bc.ca)> wrote:

Hi Dave,  
Should we coordinate our feedback to FLNRO?  
Cheers,

**Thomas White**

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, January 18, 2016 9:25 AM  
**To:** Meier, Ian R FLNR:EX; Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX; Fletcher, Christine E FLNR:EX  
**Cc:** White, Thomas ENV:EX  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Importance:** High

Hi All,

During the ADM call last Monday, I was asked to modify the cabinet submission per Ward's notes in the attached e-mail. The main requests were to summarize strategies and actions in a table, and make the recommended option one where we return to cabinet with further asks. The actual strategies and actions have not changed save for wording. My next cut at the submission is attached - it will be reviewed by Dave Peterson and Tom Ethier tomorrow.

Thanks for all of your help on this, and apologies that I didn't have the time to have you to review prior to sending forward the next iteration. Please take a look through and let me know if you have any suggested changes.

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Dennis

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**Subject:** FOR REVIEW; MM13 CAB SUB  
**Importance:** High

Ward, James, Peter,

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Dave/Tom meeting. As requested I have (i) moved some text on impacts to the appendices, (ii) added a table (thanks to Kathy) to show strategies and actions without redundancy); (iii) revised the options to reflect Tom's request for a more specific ask / relationship to CLP and other asks.

A few other areas where we discussed possible changes (e.g. more background on strategic alignment) I have not yet made changes due to length and flow considerations.

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Dennis

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**From:** Trotter, Ward FLNR:EX

**Sent:** January-12-16 8:57 AM

**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** Yesterday's call

Highlights-actions

Good discussion on content; options and alignment with CLP

+Major comment was bring more clarity in sub and to option.

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(eg water monitoring)

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If you have corrections change from what you heard on call please cc all of us.

Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.



**From:** [White, Thomas ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Kriwoken, Lynn ENV:EX](#)  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Date:** January 19, 2016 3:13:25 PM  
**Attachments:** MM13 MM05 Cabinet Request for Decision Jan 17 2016.docx  
**Importance:** High

---

David, Lynn,

David and I discussed coordinating our MoE edits to the draft FLNRO cab sub on the mandate letter commitments. Here are my first round edits – I made it as far as the “options section”. Happy to meet to discuss further.

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Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

Page 312 to/à Page 329

Withheld pursuant to/removed as

s.12;s.13

**From:** [Kriwoken, Lynn ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
**Date:** January 19, 2016 5:06:36 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 17 2016 \(3\) LK.docx](#)  
**Importance:** High

---

Thanks Thomas for weighing in with a heavy hand, great improvements. I have some additional edits in track, building on your document.

Didn't get much further than you. Dave, you had some fact checks on the Appendices.

What was the upshot of today's call? Timing? I like the sound of the new options. Simple.

Lynn

---

**From:** White, Thomas ENV:EX  
**Sent:** Tuesday, January 19, 2016 3:13 PM  
**To:** [Tesch, David ENV:EX](#); [Kriwoken, Lynn ENV:EX](#)  
**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
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**Subject:** FW: FOR REVIEW; MM13 CAB SUB  
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Thanks,

Dennis

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**To:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#)  
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Dennis

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Ward

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Page 332 to/à Page 349

Withheld pursuant to/removed as

s.12;s.13

**From:** Kriwoken, Lynn ENV:EX  
**To:** Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX  
**Subject:** RE: Possible Minister's Roundtable Item - MML#5  
**Date:** January 20, 2016 11:09:03 AM

---

Thomas and I have provided written comments in the latest draft and sent to Dave yesterday. We three we going to get together to discuss.

The options discussed at ADMs yesterday sound much clearer and simpler.

From past experience, I would think that any budget uplift request associated with the options would be to TB, this cab sub request would simply say "Direct Ministries to present implementation costs and a proposal for managing those costs to TB" ...or something to that effect.

The Water initiatives in Table 1 are vague and need work. Thomas raised some good points on the table overall..

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Wednesday, January 20, 2016 10:48 AM  
**To:** Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Kriwoken, Lynn ENV:EX  
**Subject:** RE: Possible Minister's Roundtable Item - MML#5

Thanks Dave

Susanna - Look forward to seeing your comments Susanna on the below...

Lynn – anything from you to add?

Dave - One point of clarity. In the second bullet is says we will focus on 3 key areas of "forests" – and then references forest, wildlife and water. Did you mean forest, wildfire and water, or was there a change here?

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, January 19, 2016 5:27 PM  
**To:** Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX  
**Cc:** Kriwoken, Lynn ENV:EX  
**Subject:** Possible Minister's Roundtable Item - MML#5  
**Importance:** High

Hi Kaaren,

It came up on the minister mandate letter call today about possibly sounding MMP on some of the questions around this mandate letter commitment. I've provided a very brief set of bullets for you and Susanna that I believe captures 2 key questions: is she comfortable with the approach, and is she comfortable with the timing, especially with respect to CLP. It was noted that MST had a preference for the current timing, so if there is a timing change, we would have to discuss with FLNRO.

s.12,s.13

Susanna, thanks for your comments today. They were very helpful. Do you see other questions that you think you and Kaaren might raise with MMP?

Regards,

D.

**Analysis of the impact of lower snowpacks and retreating glaciers on the forests of BC (Mandate Letter Commitment #5)**

- FLNRO and ENV are preparing a cabinet submission summarizing our priority climate change activities within our ministries and their alignment with government's Climate Leadership Plan.

s.12,s.13

- Draft to NRB February 10.
- Draft to ELUC March 3.



**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Laaksonen-Craig, Susanna ENV:EX](#)  
**Subject:** RE: Possible Minister's Roundtable Item - MML#5  
**Date:** January 20, 2016 12:12:38 PM

---

great

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, January 20, 2016 11:21 AM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Laaksonen-Craig, Susanna ENV:EX  
**Subject:** RE: Possible Minister's Roundtable Item - MML#5

This is coming up in the comments that Lynn, Thomas and I are crafting. The connection is there but weak. We are working on building it up.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Wednesday, January 20, 2016 11:10 AM  
**To:** Tesch, David ENV:EX  
**Cc:** Laaksonen-Craig, Susanna ENV:EX  
**Subject:** RE: Possible Minister's Roundtable Item - MML#5

Thanks

Another thought - Not sure what else was discussed yesterday re; the cab sub, but I think it will be important in the sub to identify the climate monitoring network as a key vulnerability (given current funding pressure and multi-sector demand for more stations etc). This vulnerability came up the DM meeting on drought response, and through the climate adaptation work, so I think it needs to be raised here as a foundational element to any adaptation efforts/activities moving forward on forests, wildfire and water.

K

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, January 20, 2016 11:00 AM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** Re: Possible Minister's Roundtable Item - MML#5

Sorry. Autocorrect. Yes wildfire not wildlife.

Regards,  
D.

On Jan 20, 2016, at 11:48 AM, Lewis, Kaaren ENV:EX <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)> wrote:

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s.12,s.13

- Draft to NRB February 10.
- Draft to ELUC March 3.

**From:** Paradine, Dennis FLNR:EX  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Are you available at 3:30 to discuss MML edits?  
**Date:** January 22, 2016 1:58:11 PM

---

Sure –that works for me



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined*  
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---

**From:** Tesch, David ENV:EX  
**Sent:** Friday, January 22, 2016 1:58 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Are you available at 3:30 to discuss MML edits?  
I'm in Exec until 3:00. It could run long, but I'll call you as soon as I'm done.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 22, 2016 1:57 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Are you available at 3:30 to discuss MML edits?  
My 3:00 has been cancelled, would prefer to do then...

---



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**Sent:** Friday, January 22, 2016 1:50 PM  
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**From:** [Kriwoken, Lynn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [White, Thomas FLNR:EX](#)  
**Subject:** Re: FOR REVIEW; MM13 CAB SUB  
**Date:** January 26, 2016 5:11:30 PM

---

Dave, can you advise next steps so that we can coordinate comments? Or do you have the next revised draft?

Thanks  
Lynn

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**To:** [Cameron, Valerie Z FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#)  
**Cc:** [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** MM13 - revised table for review  
**Date:** January 26, 2016 5:16:32 PM  
**Attachments:** Table 1.docx

---

Hi All,

Based on our conversation from yesterday and various edits made to the document previously ,attached is the revised MM13 table for your review. While I've put the costs (approximate in some cases, placeholders in others) and required comments in footnotes, I'm not sure that this is the best approach to use and I'm open to comments.

James is reviewing the broader document at this time for consistency with the direction given last week and new developments since then.

Best,



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Page 358

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**From:** White, Thomas ENV:EX  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX; Cameron, Valerie Z FLNR:EX  
**Subject:** RE: MM13 - revised table for review  
**Date:** January 27, 2016 11:05:06 AM  
**Attachments:** Table 1.docx

---

Hi Dennis,

My thoughts:

- ♦ I think the footnotes add too much detail and should be removed.
- ♦ I don't think it is necessary to list budget or FTE requirements individually, especially for small items (where the decision to proceed rests within the ministry and wouldn't require cabinet level approval). To the extent we need to list budget, I would roll up the incremental ask for the yellow and grey items by ministry and present the total ask.
- ♦ I would avoid language like "Partner to improve reservoir infrastructure" when, according to the footnote, we think we are at a preliminary stage of assessing needs rather than implementing. We shouldn't give the impression that we are ready to implement something if more investigation is needed to assess the need and build a business case.
- ♦ Similarly I am not convinced that we have done enough background work to recommend "development of floodplain management regulations under the Environmental Management Act." If we are proposing new policy I think we will need to provide the information justifying the need. Otherwise I would make this statement more generic, like "review floodplain governance".

Thanks for the opportunity to comment.

Cheers,

**Thomas White**

---

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**Subject:** MM13 - revised table for review

Hi All,

Based on our conversation from yesterday and various edits made to the document previously, attached is the revised MM13 table for your review. While I've put the costs (approximate in some cases, placeholders in others) and required comments in footnotes, I'm not sure that this is the best approach to use and I'm open to comments.

James is reviewing the broader document at this time for consistency with the direction given last week and new developments since then.

Best,



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined  
We explore the interplay  
Nature and commerce*



Page 360

Withheld pursuant to/removed as

s.12;s.13

**From:** Cameron, Valerie Z FLNR:EX  
**To:** White, Thomas ENV:EX; Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM13 - revised table for review  
**Date:** January 27, 2016 11:36:44 AM

---

My comments inserted in red below. Assume I agree with Thomas' comments unless I've stated otherwise.

This condensed version of our actions doesn't provide much latitude for us to include the broad suite of actions in our CAPs. It appears that we've cherry picked our highest priority actions, but they're really just part of a package. Not to throw things off track, but should we consider describing higher level objectives instead of specific actions? I.e. Form partnerships with agencies and organizations (or take the provincial lead) to support drought and flood resiliency, review and update policies and planning to reflect changing climate, secure resourcing for adequate monitoring and reporting, etc. The Forest column appears to be higher level and less detailed, but the Wildfire and Water columns have a mix of objectives and actions. Just a thought.

Valerie

---

**From:** White, Thomas ENV:EX  
**Sent:** Wednesday, January 27, 2016 11:05 AM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX; Cameron, Valerie Z FLNR:EX  
**Subject:** RE: MM13 - revised table for review

Hi Dennis,

My thoughts:

- I think the footnotes add too much detail and should be removed.
- I don't think it is necessary to list budget or FTE requirements individually, especially for small items (where the decision to proceed rests within the ministry and wouldn't require cabinet level approval). To the extent we need to list budget, I would roll up the incremental ask for the yellow and grey items by ministry and present the total ask.
- I would avoid language like "Partner to improve reservoir infrastructure" when, according to the footnote, we think we are at a preliminary stage of assessing needs rather than implementing. We shouldn't give the impression that we are ready to implement something if more investigation is needed to assess the need and build a business case. How about "undertake assessments" or "explore" for improved reservoir infrastructure?
- Similarly I am not convinced that we have done enough background work to recommend "development of floodplain management regulations under the Environmental Management Act." If we are proposing new policy I think we will need to provide the information justifying the need. Otherwise I would make this statement more generic, like "review floodplain governance". How about "explore policy changes to improve floodplain management and governance"?

Thanks for the opportunity to comment.

Cheers,

**Thomas White**

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, January 26, 2016 5:17 PM  
**To:** Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX  
**Cc:** White, Thomas ENV:EX; Tesch, David ENV:EX  
**Subject:** MM13 - revised table for review

Hi All,

Based on our conversation from yesterday and various edits made to the document previously, attached is the revised MM13 table for your review. While I've put the costs (approximate in some cases, placeholders in others) and required comments in footnotes, I'm not sure that this is the best approach to use and I'm open to comments.

James is reviewing the broader document at this time for consistency with the direction given last week and new developments since then.

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*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

**From:** Sandland, James FLNR:EX  
**To:** Boyle, Naomi FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; White, Thomas ENV:EX; Romero, Jenny AGRI:EX; Easton, Joan E AGRI:EX  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Date:** January 27, 2016 4:04:20 PM  
**Attachments:** FLNR CLT recs policy matrix - 26 Jan2016 (16 and 17).xlsx  
FLNR-BN-for-Information - CLT 17 Fibre utilization.docx  
FLNR-BN-for-Information - CLT Rec 16 - forest policy and protected areas - Jan 26, 2016.docx

---

Hi All,

Thanks for the time today, short but productive call. Few items attached as per our discussion:

- CLT Recommendations table – with FLNR input for #16 and #17
- Companion Info notes on #16 and #17

Will set up a follow-up call for couple weeks' time and share FLNR Mandate #13 submission and AGRI deck when ready.

Cheers,

James

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Cameron, Valerie Z FLNR:EX](#); [White, Thomas ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** RE: MM13 - revised table for review  
**Date:** January 28, 2016 3:07:27 PM

---

Thanks all,

My comments / current status **below. Valerie** – one specific question for you in the last bullet point.

Dennis

---

**From:** Cameron, Valerie Z FLNR:EX  
**Sent:** Wednesday, January 27, 2016 11:37 AM  
**To:** White, Thomas ENV:EX; Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM13 - revised table for review

My comments inserted in red below. Assume I agree with Thomas' comments unless I've stated otherwise.

This condensed version of our actions doesn't provide much latitude for us to include the broad suite of actions in our CAPs. It appears that we've cherry picked our highest priority actions, but they're really just part of a package. Not to throw things off track, but should we consider describing higher level objectives instead of specific actions? **I understand where you are coming from on this, however ADMs asked us to include specific actions for each area. Yes, the higher level objectives and strategies are needed. I'll see how to make sure that this are incorporated.** I.e. Form partnerships with agencies and organizations (or take the provincial lead) to support drought and flood resiliency, review and update policies and planning to reflect changing climate, secure resourcing for adequate monitoring and reporting, etc. The Forest column appears to be higher level and less detailed, but the Wildfire and Water columns have a mix of objectives and actions. **The forest column does have specific actions, just phrased a bit generally (e.g. stand level investment is actually a program that is being brought for approval 'Building Economic Pathways for Stand Level Investments', focussing on increasing density and species diversity in planting after harvest')** Just a thought.

Valerie

---

**From:** White, Thomas ENV:EX  
**Sent:** Wednesday, January 27, 2016 11:05 AM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX; Cameron, Valerie Z FLNR:EX  
**Subject:** RE: MM13 - revised table for review

Hi Dennis,

My thoughts:

- I think the footnotes add too much detail and should be removed. **I've left as is for today, and will explore how to keep this information present, perhaps in an appendix instead. Some of the context is essential (e.g. FEP being part of a separate ask), while other pieces can be modified...**
- I don't think it is necessary to list budget or FTE requirements individually, especially for small items (where the decision to proceed rests within the ministry and wouldn't require cabinet level approval). To the extent we need to list budget, I would roll up the incremental ask for the yellow and grey items by ministry and present the total ask. **I'm rolling this up as much as possible.**
- I would avoid language like "Partner to improve reservoir infrastructure" when, according to the

footnote, we think we are at a preliminary stage of assessing needs rather than implementing. We shouldn't give the impression that we are ready to implement something if more investigation is needed to assess the need and build a business case. How about "undertake assessments" or "explore" for improved reservoir infrastructure? Done.

- ♦ Similarly I am not convinced that we have done enough background work to recommend "development of floodplain management regulations under the Environmental Management Act." If we are proposing new policy I think we will need to provide the information justifying the need. Otherwise I would make this statement more generic, like "review floodplain governance". How about "explore policy changes to improve floodplain management and governance"? Does

this work: <sup>[1]</sup> e.g., coastal amendment to Flood Hazard Area Land Use Guidelines, explore policy changes to improve floodplain management and guidance under the Environmental Management Act

Thanks for the opportunity to comment.

Cheers,

**Thomas White**

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Tuesday, January 26, 2016 5:17 PM

**To:** Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Fletcher, Christine E FLNR:EX

**Cc:** White, Thomas ENV:EX; Tesch, David ENV:EX

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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Lewis, Kaaren ENV:EX](#); [Tesch, David ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [White, Thomas ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#)  
**Subject:** MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Date:** January 28, 2016 3:11:19 PM  
**Attachments:** [MM13 Jan 28 Options and Table.docx](#)  
**Importance:** High

---

Hi All,

During today's meeting we'll work to come to consensus on the options to bring forward to deputies next week in the MM13 cabinet submission. Attached are the current options, and the table to which the options refer.

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX  
**Sent:** Thursday, January 21, 2016 8:52 AM  
**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX  
**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Conference Call Participant ID: [s.15](#)

Dial in info:

1-877-353-9184

Participant ID: [s.15](#)

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 367 to/à Page 368

Withheld pursuant to/removed as

s.12;s.13



**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Date:** January 28, 2016 4:48:25 PM

---

That is my understanding exactly, with the addition that the team will make an effort to provide more detail (or examples) of the kind of actions/activities and outcomes under each of the key initiatives/strategies identified in Table 1. This is primarily to help cabinet ministers understand what is being done and being accomplished.

Kaaren

---

**From:** White, Thomas ENV:EX  
**Sent:** Thursday, January 28, 2016 4:39 PM  
**To:** Laaksonen-Craig, Susanna ENV:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

Hi Susanna,

Here is what I heard on the call:

Simplify to 2 options – status quo and one that foreshadows asks that may come forward through CLP and other processes;

Focus is on highlighting work done to date, existing (funded) initiatives, where this gets us

Sub will identify areas where we think more effort is required, but will not ask for a decision on these – that would occur through other processes.

FLNRO will provide a new version for comment by close of business tomorrow.

Dave and Kaaren were also on the call and can hopefully confirm my understanding or correct me if I am mistaken.

Regards,

***Thomas White***

---

**From:** Laaksonen-Craig, Susanna ENV:EX  
**Sent:** Thursday, January 28, 2016 4:00 PM  
**To:** Lewis, Kaaren ENV:EX; White, Thomas ENV:EX  
**Subject:** Fwd: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
In Ottawa and won't be able to join the call.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Date:** January 28, 2016 4:56:05 PM  
**Attachments:** MM13 MM05 Cabinet Request for Decision Jan 17 2016 (JS - January 22) dbp.docx

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**From:** [Tesch, David ENV:EX](#)  
**Sent:** Thursday, January 28, 2016 4:55 PM  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

Hey Dennis. Any chance I can get a copy of the full sub and appendices in its current state. I want to sit down with Lynn and go through our water activities.

Thanks,

D.

---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Thursday, January 28, 2016 3:11 PM  
**To:** [Trotter, Ward FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Lewis, Kaaren ENV:EX](#); [Tesch, David ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [White, Thomas ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#)  
**Subject:** MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Importance:** High

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Best,

Dennis

<< File: MM13 Jan 28 Options and Table.docx >>

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**From:** [Trotter, Ward FLNR:EX](#)  
**Sent:** Thursday, January 21, 2016 8:52 AM  
**To:** [Trotter, Ward FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Lewis, Kaaren ENV:EX](#); [Tesch, David ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [White, Thomas ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#)  
**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s 15

Dial in info:

1-877-353-9184

Participant ID: s 15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 372 to/à Page 389

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Date:** January 28, 2016 4:57:47 PM

---

Lucky I hadn't left for the day ☺ Was just stepping out

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, January 28, 2016 4:57 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

Awesomeness. Thanks!

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, January 28, 2016 4:56 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

<< File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_17\_2016 (JS - January 22)  
dbp.docx >>

---

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**Sent:** Thursday, January 28, 2016 4:55 PM  
**To:** Paradine, Dennis FLNR:EX  
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**Cc:** Sandland, James FLNR:EX  
**Subject:** MATERIALS FOR 4:00 p.m. DISCUSSION: Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**Importance:** High

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**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s.15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

**From:** Sandland, James FLNR:EX  
**To:** Easton, Joan E AGRI:EX  
**Cc:** Boyle, Naomi FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; White, Thomas FLNR:EX; Romero, Jenny AGRI:EX  
**Subject:** Re: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Date:** January 28, 2016 6:19:02 PM

---

Thanks Joan.

I think we're coordinating on #24 as well so can share/ chat on our next call.

Cheers,

*James Sandland*  
Director, Competitiveness & Innovation Branch

On Jan 28, 2016, at 5:48 PM, Easton, Joan E AGRI:EX <[Joan.Easton@gov.bc.ca](mailto:Joan.Easton@gov.bc.ca)> wrote:

Hello everyone

Please find attached Agriculture's CLT recommendations table for #16 and #18.

Really appreciate you sharing James and for 16 I think that the two components mesh.

Regards

Joan

Joan Easton

Executive Director, Innovation and Adaptation Services Branch

3<sup>rd</sup> Floor, 808 Douglas Street

Ministry of Agriculture

Phone: (250) 356 7057

Fax: (250) 356 0358

---

**From:** Sandland, James FLNR:EX

**Sent:** Wednesday, January 27, 2016 4:04 PM

**To:** Boyle, Naomi FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; White, Thomas ENV:EX; Romero, Jenny AGRI:EX; Easton, Joan E AGRI:EX

**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

Hi All,

Thanks for the time today, short but productive call. Few items attached as per our discussion:

- CLT Recommendations table – with FLNR input for #16 and #17
- Companion Info notes on #16 and #17

Will set up a follow-up call for couple weeks' time and share FLNR Mandate #13 submission and AGRI deck when ready.

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James

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*Nature and commerce*



**From:** Paradine, Dennis FLNR:EX  
**To:** Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX  
**Subject:** MM13 - Water request  
**Date:** January 29, 2016 1:04:32 PM  
**Attachments:** MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx  
**Importance:** High

---

Hi Valerie and Dave,

During the ADM call yesterday, I was directed to place descriptions of the current and proposed initiatives as well as resource (FTE/\$) requirements in an appendix. Below is the existing language that I had for the water initiatives/strategies. For each of the items below, could you please provide 1-2 examples of what they would mean on the ground as well as confirm / modify the resource requirements? I committed to get a revised version of the submission back to ADMs at end of day today – if the details in this appendix are firmed up by then, great, if not then I can add on Monday or Tuesday (at latest – this needs to be send to deputies on Tuesday).

The current draft of the submission is attached for context (the main changes are bringing the options down to 2 and improving the table for clear understanding)

---

Water

s.12,s.13

---

Thanks!

Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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Page 396 to/à Page 414

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Davis, Celine ENV:EX](#); [Kriwoken, Lynn ENV:EX](#)  
**Cc:** [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** FW: MM13 - Water request  
**Date:** January 29, 2016 1:29:00 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)  
**Importance:** High

---

Adding each of you to the distribution / request this per Dave's ask

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 29, 2016 1:04 PM  
**To:** Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX  
**Subject:** MM13 - Water request  
**Importance:** High

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Page 417 to/à Page 435

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s.12;s.13

**From:** [Cameron, Valerie Z FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** FW: MM13 - Water request  
**Date:** January 29, 2016 2:19:29 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)  
**Importance:** High

---

My comments inserted below. Unfortunately I have no more time to work on this as I am trying to meet my own time sensitive deliverable and I will not be available for most of next week.

VZC

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 29, 2016 1:05 PM  
**To:** Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX  
**Subject:** MM13 - Water request  
**Importance:** High

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Water

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Page 438 to/à Page 456

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s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Lewis, Kaaren ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Kriwoken, Lynn ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Davis, Celine ENV:EX](#); [Meier, Ian R FLNR:EX](#); [Osbourne, Kelly FLNR:EX](#); [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#)  
**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** January 29, 2016 4:45:18 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)  
[AD-002.003.007.006 ALL FLNR Climate Resilient Natural Resource Values Policy Proposal +C..pdf](#)

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Best,

Dennis

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**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: [s.15](#)

Dial in info:

1-877-353-9184

Participant ID: [s.15](#)

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 458 to/à Page 461

Withheld pursuant to/removed as

s.12;s.13

Page 001 to/à Page 035

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Kriwoken, Lynn ENV:EX](#); [Davis, Celine ENV:EX](#)  
**Subject:** FW: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** January 30, 2016 5:47:20 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)  
[AD-002,003, 007,006 ALL FLNR Climate Resilient Natural Resource Values Policy Proposal +C..pdf](#)

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Dave, Lynn and Celine,

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Kaaren

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**Sent:** Friday, January 29, 2016 4:45 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX  
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**Cc:** Sandland, James FLNR:EX

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Participant ID: s.15

Moderator: Ward Trotter

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Page 038 to/à Page 076

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Kriwoken, Lynn ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Davis, Celine ENV:EX](#)  
**Subject:** Re: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 8:17:38 AM

---

Thx

Sent from my iPhone

On Feb 1, 2016, at 7:54 AM, Kriwoken, Lynn ENV:EX <[Lynn.Kriwoken@gov.bc.ca](mailto:Lynn.Kriwoken@gov.bc.ca)> wrote:

Kaaren, am at the EFN workshop in Vcr. Celine and I will connect and do best to get back to you by 1:00.

Lynn

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Saturday, January 30, 2016 5:47 PM  
**To:** [Tesch, David ENV:EX](#); [Kriwoken, Lynn ENV:EX](#); [Davis, Celine ENV:EX](#)  
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Proposal +C..pdf >>

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**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 8:17:46 AM

---

Thx

Sent from my iPhone

On Feb 1, 2016, at 7:07 AM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Thanks Kaaren,

I'll aim for 1:00pm.

Regards,  
D.

On Jan 30, 2016, at 5:47 PM, Lewis, Kaaren ENV:EX  
<[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)> wrote:

Dave, Lynn and Celine,

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**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

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**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Subject:** FW: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change  
**Date:** February 1, 2016 10:14:00 AM  
**Attachments:** [CLP-Adaptation-Proposals-Dec4-2015.docx](#)  
[MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)

---

Dennis sent this out on Friday and Kaaren has had a few comments over the weekend. She has asked me to pull together today any additional comments from us and I realized this morning you were not on Dennis distribution list. Apologies for that.

Let me know if you have any additional comments or editing ideas. I'm in my office this morning (250-387-5831) working on this if you want to discuss.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 8, 2016 12:22 PM  
**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX  
**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX  
**Subject:** RE: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

Hello All,

Attached is the draft Cab Sub for discussion during the Jan 11 Minister's Mandate #13/5 briefing. Also attached are the December drafts of the FLNR materials for Appendix 5 of the sub.

Best,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, December 9, 2015 12:12 PM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX

**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX

**Subject:** Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

**When:** Monday, January 11, 2016 2:00 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call

Dial in info:

**1-877-353-9184**

**Participant ID:** s.15

Page 083 to/à Page 120

Withheld pursuant to/removed as

s.12;s.13

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Subject:** RE: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change  
**Date:** February 1, 2016 10:17:00 AM

---

Ok. That will be fine.

I'm on the 3<sup>rd</sup> floor of Jutland near the north side elevators.

---

**From:** White, Thomas ENV:EX  
**Sent:** Monday, February 1, 2016 10:17 AM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

Can I drop by around 11? I still have concerns....

*Thomas White*

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 1, 2016 10:15 AM  
**To:** White, Thomas ENV:EX  
**Subject:** FW: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

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Dial in info:

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**Participant ID:** s.15. ....



**From:** [Davis, Celine ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 10:25:49 AM

---

Hi David,

Yes, free by 10:35.

Call me when you are free.

Celine

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 1, 2016 10:10 AM  
**To:** Davis, Celine ENV:EX  
**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi Celine,

Do you have some time this morning to discuss edits to this cab sub.

Regards,

D.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Saturday, January 30, 2016 5:47 PM  
**To:** Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX; Davis, Celine ENV:EX  
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Dennis

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**To:** [Paradine, Dennis FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Lewis, Kaaren ENV:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Turner, Robert FLNR:EX](#)  
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**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 10:28:38 AM

---

Generally a good package, but I am still struggling a bit on how we portray the potential additional asks in the Appendixes. I have a few specific suggested edits and comments as below:

I would change item 4 under Impacts and Considerations on page 1 as follows:

s.12,s.13

There are currently 2 Appendix 3's.

First Appendix 3:

Last bullet under Forests: change to

s.12,s.13

Second Appendix 3:

Section on Fire – needs to include the Forest Enhancement program

*J D Peterson*

Dave Peterson, RPF

Assistant Deputy Minister

Tenures, Competitiveness and Innovation

Forest, Lands and Natural Resource Operations

250-387-1057

---

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**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Kriwoken, Lynn ENV:EX](#)  
**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 11:22:21 AM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Jan 29 2016 CD.docx](#)

---

Hi David,

As we discussed, I included my comments in tracked changes.

I am available over lunch to review the revised document you are working on with Thomas.

Thanks

Celine

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 1, 2016 10:10 AM  
**To:** Davis, Celine ENV:EX  
**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi Celine,

Do you have some time this morning to discuss edits to this cab sub.

Regards,

D.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Saturday, January 30, 2016 5:47 PM  
**To:** Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX; Davis, Celine ENV:EX  
**Subject:** FW: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Dave, Lynn and Celine,

I think this submission is vastly improved so am much more comfortable. As you will see by my comments, one of my consistent concerns is how FLNR-centric much of the submission reads. I have tried to suggest ways to improve this with small tweaks.

I am hoping that we can consolidate our comments on this one version, and that I can send it back to FLNR ---- this may (???) have more impact than each of us forwarding. To the degree you can address my comments that'd be great.

Perhaps Dave can coordinate input from each of you and Thomas and then get back to me by mid day Monday. Sound doable?

Kaaren

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 29, 2016 4:45 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi ADMs,

Attached is the updated draft MM13 (FLNR) / MM05 (ENV) cabinet submission for your review prior to sending to deputies on Tuesday.

Based on the direction received on Thursday, Option 2 has been removed and Table 1 has been simplified into two categories – in progress and planned. A new Appendix 4 has also been added with initiative descriptions and resource requirements. In a few cases we are firming up /reconciling estimates – these are noted in yellow. The pdf file attached is appendix 5.

<< File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_29\_2016.docx >> << File: AD-002,003, 007,006 ALL \_FLNR\_Climate Resilient Natural Resource Values\_Policy Proposal +C..pdf >>

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX  
**Sent:** Thursday, January 21, 2016 8:52 AM  
**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX  
**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change  
**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Conference Call Participant ID: 8.15

Dial in info:

1-877-353-9184



Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 132 to/à Page 153

Withheld pursuant to/removed as

s.12;s.13

**From:** [Kriwoken, Lynn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Davis, Celine ENV:EX](#)  
**Subject:** Re: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 11:52:08 AM

---

Thanks both. I won't be able to free my time to join you.

Kaaren will be looking for additions from us in her comment areas.

Thanks  
Lynn

On Feb 1, 2016, at 11:22 AM, Davis, Celine ENV:EX <[Celine.Davis@gov.bc.ca](mailto:Celine.Davis@gov.bc.ca)> wrote:

Hi David,  
As we discussed, I included my comments in tracked changes.  
I am available over lunch to review the revised document you are working on with Thomas.  
Thanks

Celine

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**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 1, 2016 10:10 AM  
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Regards,  
D.

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**Sent:** Saturday, January 30, 2016 5:47 PM  
**To:** Tesch, David ENV:EX; Kriwoken, Lynn ENV:EX; Davis, Celine ENV:EX  
**Subject:** FW: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

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Kaaren

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 29, 2016 4:45 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-

Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi ADMs,

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<< File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_29\_2016.docx >> << File: AD-002,003, 007,006 ALL \_FLNR\_Climate Resilient Natural Resource Values\_Policy Proposal +C..pdf >>

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s.15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

**From:** [Llewellyn-Thomas, Marnie ENV:EX](#) on behalf of [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** David to come see you re: Cab Sub & Mandate letter  
**Start:** February 1, 2016 2:30:00 PM  
**End:** February 1, 2016 3:00:00 PM  
**Location:** Kaaren's Office, 5th Floor 2975 Jutland

---

**From:** [White, Thomas ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change  
**Date:** February 1, 2016 1:14:36 PM  
**Attachments:** [CLP-Adaptation-Proposals-Dec4-2015.docx](#)  
[MM13 MM05 Cabinet Request for Decision Jan 29 2016.docx](#)

---

My comments attached. At this point my biggest concern is the inclusion of resource requirements in appendix 4 related to the CLP asks, as this is still in progress. I fear that the cab sub is getting ahead of the CLP.

*Thomas White*

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 1, 2016 10:15 AM  
**To:** White, Thomas ENV:EX  
**Subject:** FW: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

Dennis sent this out on Friday and Kaaren has had a few comments over the weekend. She has asked me to pull together today any additional comments from us and I realized this morning you were not on Dennis distribution list. Apologies for that.

Let me know if you have any additional comments or editing ideas. I'm in my office this morning (250-387-5831) working on this if you want to discuss.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 8, 2016 12:22 PM  
**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX  
**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX  
**Subject:** RE: Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

Hello All,

Attached is the draft Cab Sub for discussion during the Jan 11 Minister's Mandate #13/5 briefing. Also attached are the December drafts of the FLNR materials for Appendix 5 of the sub.

Best,

Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, December 9, 2015 12:12 PM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Turner, Robert FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX

**Cc:** Williams, Duncan FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX

**Subject:** Briefing on Minister Mandate letter #13 (FLNR) & #5 (MOE) on climate change

**When:** Monday, January 11, 2016 2:00 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call

Dial in info:

**1-877-353-9184**

**Participant ID:** s.15 \_ \_ \_ \_

Page 159 to/à Page 196

Withheld pursuant to/removed as

s.12;s.13



**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Fwd: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 5:45:44 PM

---

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Laaksonen-Craig, Susanna ENV:EX"  
<[Susanna.LaaksonenCraig@gov.bc.ca](mailto:Susanna.LaaksonenCraig@gov.bc.ca)>  
**Date:** February 1, 2016 at 5:08:34 PM PST  
**To:** "White, Thomas ENV:EX" <[Thomas.White@gov.bc.ca](mailto:Thomas.White@gov.bc.ca)>  
**Cc:** "Lewis, Kaaren ENV:EX" <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)>  
**Subject: Re: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change**

Thanks, Thomas! Agreed, those two pagers we created for a completely different purpose and haven't to the best of my knowledge been by approved by anyone (unless FLNR has had some internal process for items that involve nobody except themselves).

Susanna

Sent from my iPad

On Feb 1, 2016, at 4:53 PM, White, Thomas ENV:EX  
<[Thomas.White@gov.bc.ca](mailto:Thomas.White@gov.bc.ca)> wrote:

Hi Susanna,

I have provided my comments to Dave Tesch who will collate comments from other managers and EDs and discuss with Karen, who I expect will loop you in. My biggest concern at this point is that one of the appendices includes the internal CLP working group submissions with budget details, including proposed activities led by ENV. I think there is potential for confusion here – it gives the appearance that CLP items are being brought forward in this cab sub.

Regards,

*Thomas White*

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, January 29, 2016 4:45 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn

ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
Hi ADMs,

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<< File:

MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_29\_2016.docx >> <<

File: AD-002,003, 007,006 ALL \_FLNR\_Climate Resilient Natural Resource Values\_Policy Proposal +C..pdf >>

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s.15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: Follow up on the MML #13/#5 Last Appendix  
**Date:** February 1, 2016 5:46:19 PM

---

Got it. Thx

Sent from my iPhone

On Feb 1, 2016, at 5:28 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Kaaren,

I took a second, deeper look in the last appendix that included all the CLP policy pieces. I was mistaken earlier when we talked, it does in fact contain policy pieces from many ministries, not just FLNRO. However, Thomas' point is still valid in that do we want this policy piece to go forward, even just as background information, before the CLP has followed through its prescribed process. That is the discussion point I left in my email transmittal to you and the group.

Regards,

D.

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Kriwoken, Lynn ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Davis, Celine ENV:EX](#); [Meier, Ian R FLNR:EX](#); [Osbourne, Kelly FLNR:EX](#); [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 1, 2016 6:07:52 PM  
**Attachments:** [\\$13 MM05 Cabinet Request for Decision feb 1 2016-ENV-comments.docx](#)

---

Dear Dennis et al,

Here is the document with the consolidated edits from ENV, including input/review from water, CAS and knowledge management program areas. The edits are in most cases in track changes to make it easy for you to adopt into the next version. We would like these changes reflected in the version going forward to DMs.

s.12,s.13

Sincerely,

Kaaren

Kaaren Lewis

Assistant Deputy Minister

Ministry of Environment

Environmental Sustainability and Strategic Policy Division

5<sup>th</sup> Floor, 2975 Jutland Road Victoria

Tel 250 387-9997; Fax 250 953-3414

Email: Kaaren.Lewis@gov.bc.ca

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, January 29, 2016 4:45 PM

**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

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Best,

Dennis

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**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s 15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 203 to/à Page 228

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Lewis, Kaaren ENV:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Turner, Robert FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Kriwoken, Lynn ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Davis, Celine ENV:EX](#); [Meier, Ian R FLNR:EX](#); [Osbourne, Kelly FLNR:EX](#); [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Jacobsen, Peter W FLNR:EX](#)  
**Subject:** VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 2, 2016 4:33:20 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Feb 2 to deputies.docx](#)

---

Thanks Kaaren, Dave P, Dave T, Valerie and Thomas for your comments.

I have incorporated all (save a few noted below) in this version of the submission which Ward will distribute to Deputies now.

**Notes:**

s.12,s.13

Best,

Dennis

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Monday, February 1, 2016 6:08 PM  
**To:** [Paradine, Dennis FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Laaksonen-Craig, Susanna ENV:EX](#); [Turner, Robert FLNR:EX](#)  
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reflected in the version going forward to DMs.

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Kaaren

Kaaren Lewis

Assistant Deputy Minister

Ministry of Environment

Environmental Sustainability and Strategic Policy Division

5<sup>th</sup> Floor, 2975 Jutland Road Victoria

Tel 250 387-9997; Fax 250 953-3414

Email: Kaaren.Lewis@gov.bc.ca

\_\_\_\_ << File: \$13\_MM05\_Cabinet\_Request\_for\_Decision\_feb\_1\_2016-ENV-  
comments.docx >> \_\_\_\_\_

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, January 29, 2016 4:45 PM

**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W

FLNR:EX

**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

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Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s.15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 232 to/à Page 253

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 2, 2016 4:52:24 PM  
**Attachments:** [MM13 MM05 Cabinet Request DEPUTY NOTE.docx](#)

---

Do you understand what the brown in the table is? I don't know how to explain the ENV proposed...

---

**From:** Peterson, Dave FLNR:EX  
**Sent:** Tuesday, February 2, 2016 4:51 PM  
**To:** Lewis, Kaaren ENV:EX; Ethier, Tom FLNR:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Subject:** RE: VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Given there are a number of us involved tomorrow, for the purpose of tomorrow's meeting, in the attached I have gone through the text of the submission and highlighted in yellow what points I would propose we flag to Wes and Tim. I suggest we also raise the questions in Dennis's email below, and would not suggest we go through the Appendices unless Wes or Tim have questions.

*J D Peterson*

Dave Peterson, RPF

Assistant Deputy Minister

Tenures, Competitiveness and Innovation

Forest, Lands and Natural Resource Operations

250-387-1057

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, February 2, 2016 4:33 PM  
**To:** Lewis, Kaaren ENV:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX  
**Subject:** VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Thanks Kaaren, Dave P, Dave T, Valerie and Thomas for your comments.

I have incorporated all (save a few noted below) in this version of the submission which Ward will distribute to Deputies now.

**Notes:**

s.12,s.13

Best, << File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Feb\_2\_to\_deputies.docx >>

Dennis

---

**From:** Lewis, Kaaren ENV:EX

**Sent:** Monday, February 1, 2016 6:08 PM

**To:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Lewis, Kaaren ENV:EX

**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Dear Dennis et al,

Here is the document with the consolidated edits from ENV, including input/review from water, CAS and knowledge management program areas. The edits are in most cases in track changes to make it easy for you to adopt into the next version. We would like these changes reflected in the version going forward to DMs.

s.12,s.13

Sincerely,

Kaaren

Kaaren Lewis

Assistant Deputy Minister

Ministry of Environment

Environmental Sustainability and Strategic Policy Division

5<sup>th</sup> Floor, 2975 Jutland Road Victoria

Tel 250 387-9997; Fax 250 953-3414

Email: [Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)

\_\_\_\_ << File: \$13\_MM05\_Cabinet\_Request\_for\_Decision\_feb\_1\_2016-ENV-comments.docx >> \_\_\_\_\_

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, January 29, 2016 4:45 PM

**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi ADMs,

Attached is the updated draft MM13 (FLNR) / MM05 (ENV) cabinet submission for your review prior to sending to deputies on Tuesday.

Based on the direction received on Thursday, Option 2 has been removed and Table 1 has

been simplified into two categories – in progress and planned. A new Appendix 4 has also been added with initiative descriptions and resource requirements. In a few cases we are firming up /reconciling estimates – these are noted in yellow. The pdf file attached is appendix 5.

<< File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_29\_2016.docx >> << File: AD-002,003, 007,006 ALL \_FLNR\_Climate Resilient Natural Resource Values\_Policy Proposal +C..pdf >>

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s.15

Dial in info:

1-877-353-9184

Participant ID: s.15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

Page 258 to/à Page 279

Withheld pursuant to/removed as

s.12;s.13



**From:** Paradine, Dennis FLNR:EX  
**To:** Cameron, Valerie Z FLNR:EX; Tesch, David ENV:EX  
**Cc:** Trotter, Ward FLNR:EX; White, Thomas ENV:EX  
**Subject:** Quick MM13/MM05 Question  
**Date:** February 3, 2016 10:01:33 AM

---

Hi Valerie and David,

A quick question for the MM13/MM056 submission for you:

For the two bullets below, which Ministry(s) would be responsible for delivering

- Flood[TWF1] hazard policies, guidelines and regulations will be updated to include consideration of climate change, including sea level rise.
- Drought planning and response capacity will be increased to recognize increasing severity of future drought scenarios.

Thanks,  
Dennis



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

---

[TWF1]Who ENV?

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
**Date:** February 3, 2016 10:13:58 AM

---

OK thanks – can you remind me of the original wording.

Thanks

K

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 3, 2016 10:09 AM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** Re: VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
Just as an aside to this. I don't think this is a hill to die on. It might be useful bargaining chip to agree to the original wording as a concession for getting something else we want elsewhere in the document.

Regards,  
D.

On Feb 2, 2016, at 4:56 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Thomas suggested some alternate wording. He thought the 'assessing infrastructure' sounded too much like engineering assessments. So he proposed the 'water storage' language. I believe it is on brown for you and the DM's to pick which version you want to accept.

Regards,  
D.

On Feb 2, 2016, at 4:52 PM, Lewis, Kaaren ENV:EX <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)> wrote:

Do you understand what the brown in the table is? I don't know how to explain the ENV proposed...

---

**From:** Peterson, Dave FLNR:EX  
**Sent:** Tuesday, February 2, 2016 4:51 PM  
**To:** Lewis, Kaaren ENV:EX; Ethier, Tom FLNR:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX  
**Subject:** RE: VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change  
Given there are a number of us involved tomorrow, for the purpose of tomorrow's meeting, in the attached I have gone through the text of the submission and highlighted in yellow what points I would propose we flag to Wes and Tim. I suggest we also raise the questions in Dennis's email below, and would not suggest we go through the Appendices unless Wes or Tim have questions.

***D Peterson***

Dave Peterson, RPF  
Assistant Deputy Minister  
Tenures, Competitiveness and Innovation  
Forest, Lands and Natural Resource Operations  
250-387-1057

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, February 2, 2016 4:33 PM  
**To:** Lewis, Kaaren ENV:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Laaksonen-Craig, Susanna

ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** VERSION FOR DEPUTIES: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Thanks Kaaren, Dave P, Dave T, Valerie and Thomas for your comments.

I have incorporated all (save a few noted below) in this version of the submission which Ward will distribute to Deputies now.

**Notes:**

s.12,s.13

Best, << File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Feb\_2\_to\_deputies.docx >>

Dennis

---

**From:** Lewis, Kaaren ENV:EX

**Sent:** Monday, February 1, 2016 6:08 PM

**To:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Laaksonen-Craig, Susanna ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX; Lewis, Kaaren ENV:EX

**Subject:** RE: FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Dear Dennis et al,

Here is the document with the consolidated edits from ENV, including input/review from water, CAS and knowledge management program areas. The edits are in most cases in track changes to make it easy for you to adopt into the next version. We would like these changes reflected in the version going forward to DMs.

s.12,s.13

s.12,s

Sincerely,

Kaaren

Kaaren Lewis

Assistant Deputy Minister

Ministry of Environment

Environmental Sustainability and Strategic Policy Division

5<sup>th</sup> Floor, 2975 Jutland Road Victoria

Tel 250 387-9997; Fax 250 953-3414

Email: [Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)

<< File: \$13\_MM05\_Cabinet\_Request\_for\_Decision\_feb\_1\_2016-ENV-comments.docx >>

**From:** Paradine, Dennis FLNR:EX

**Sent:** Friday, January 29, 2016 4:45 PM

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**Cc:** Sandland, James FLNR:EX; Cameron, Valerie Z FLNR:EX; Kriwoken, Lynn ENV:EX; Hopkins, Kathy L FLNR:EX; Fletcher, Christine E FLNR:EX; Davis, Celine ENV:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; White, Thomas ENV:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Jacobsen, Peter W FLNR:EX

**Subject:** FOR REVIEW: DRAFT MM13/ MM05 SUBMISSION - Climate Change

Hi ADMs,

Attached is the updated draft MM13 (FLNR) / MM05 (ENV) cabinet submission for your review prior to sending to deputies on Tuesday.

Based on the direction received on Thursday, Option 2 has been removed and Table 1 has been simplified into two categories – in progress and planned. A new Appendix 4 has also been added with initiative descriptions and resource requirements. In a few cases we are firming up /reconciling estimates – these are noted in yellow. The pdf file attached is appendix 5.

<< File: MM13\_MM05\_Cabinet\_Request\_for\_Decision\_Jan\_29\_2016.docx >> << File: AD-002,003, 007,006 ALL \_FLNR\_Climate Resilient Natural Resource Values\_Policy Proposal +C..pdf >>

Best,

Dennis

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

**From:** Trotter, Ward FLNR:EX

**Sent:** Thursday, January 21, 2016 8:52 AM

**To:** Trotter, Ward FLNR:EX; Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Jacobsen, Peter W FLNR:EX; Paradine, Dennis FLNR:EX; Lewis, Kaaren ENV:EX; Tesch, David ENV:EX; Laaksonen-Craig, Susanna ENV:EX; White, Thomas ENV:EX; Turner, Robert FLNR:EX

**Cc:** Sandland, James FLNR:EX

**Subject:** Mtg re Minister Mandate Ltr #13 --- #5- Climate Change

**When:** Thursday, January 28, 2016 4:00 PM-4:30 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call Participant ID: s 15

Dial in info:

1-877-353-9184

Participant ID: s 15

Moderator: Ward Trotter

Purpose of call is to discuss draft Sub and prepare for briefing the FLNR/MOE DMs on Feb 3; so we can submit the Sub for the Feb 10 NR Board Meeting

**From:** [Cameron, Valerie Z FLNR:EX](#)  
**To:** [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: Quick MM13/MM05 Question  
**Date:** February 3, 2016 10:29:23 AM

---

ENV – Lynn Kriwoken’s group – does all water policy work. FLNRO does the technical and operational work. So FLNR identifies the need for regulations, policies, guidelines and provides the technical content, and ENV does the policy work to support it. We work in partnership.

---

**From:** White, Thomas ENV:EX  
**Sent:** Wednesday, February 3, 2016 10:14 AM  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Cc:** Cameron, Valerie Z FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Quick MM13/MM05 Question

My understanding is that Lynn’s group is working on the sea level rise guidelines; and that new regulations are proposed for consideration in an FLNRO CAP. Those regulations would fall under EMA.

*Thomas White*

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 3, 2016 10:06 AM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Cameron, Valerie Z FLNR:EX; Trotter, Ward FLNR:EX; White, Thomas ENV:EX  
**Subject:** Re: Quick MM13/MM05 Question

I think FLNRO leads both. ENV is very involved with the second bullet. And I believe Lynn's group is involved with the first, but I don't know to what extent.

Regards,  
D.

On Feb 3, 2016, at 10:01 AM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Valerie and David,

A quick question for the MM13/MM056 submission for you:

For the two bullets below, which Ministry(s) would be responsible for delivering

- Flood[TWF1] hazard policies, guidelines and regulations will be updated to include consideration of climate change, including sea level rise.
- Drought planning and response capacity will be increased to recognize increasing severity of future drought scenarios.

Thanks,  
Dennis

Dennis Paradine  
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British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

Who ENV?

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** RE: MM13 Deck  
**Date:** February 3, 2016 4:05:02 PM

---

Good to know. I'll keep you in the loop as I get the first draft developed.

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 3, 2016 4:03 PM  
**To:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
**Subject:** RE: MM13 Deck

Thanks Dennis,

Kaaren has asked me to touch base with Ward and the group about the presentation and whether she would be co-presenting some of the material with Tom. Or whether Ward and I would be speaking to the bulk of the slides, with opening and closing remarks from Tom and Kaaren.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, February 3, 2016 4:00 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** MM13 Deck

Hi Ward, James and David

Had a conversation with Tom Ethier on CLP stuff which wound its way to MM13. He asked that I develop a powerpoint deck for him (for Friday), with the following:

- 1) MM05/13 request of Ministries
- 2) Impacts of climate change
- 3) How the Ministries are working on adapting for along time, many actions already taken
- 4) What needs to be done (i.e. Table)
- 5) Conclude with recommended option

I'll draft it up tomorrow.



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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 3:38:15 PM  
**Attachments:** [MM13\\_05.pptx](#)  
**Importance:** High

---

Hi Ward, David and James,

Attached is a concept deck for MM13 and MM05 for your review. My notes from a conversation with Tom Ethier formed the foundation for the deck (see below).

Please provide comments back to me by tomorrow first thing so I can turn around a final version for Tom by noon. As a reminder, materials for NRB need to be submitted by COB tomorrow.

No need to worry about formatting, etc at this time – lets get the flow and content right and then we can fine tune.

Thanks,  
Dennis

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Page 288 to/à Page 295

Withheld pursuant to/removed as

s.12;s.13

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 6:32:12 PM

---

We were all at WSA training this AM so we did a hallway brief for Wes

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 4, 2016 6:31 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK

---

Thanks Ward,

I didn't get an update from Kaaren on the DM briefing so out of the loop on that one.

D.

On Feb 4, 2016, at 6:27 PM, Trotter, Ward FLNR:EX <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)> wrote:

The ELUC comment is related to what the 2 DMS are thinking about. That is timing of this with CLP and which committee

I think the idea is that Wes and Tim are going to check on these points. And plan is to take this final draft of sub and ppt to nrsboard next week. Unless the DMS decide on another course of action.

I did meet with Wes and Kaaren this AM on the file and we discussed what I have written above.

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 4, 2016 6:20 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK

---

Thanks Dennis,

I'm playing catchup on all the messages flying around.

I have a few comments to send you as soon as I can get home and to a computer. It will be

tonight sometime.

I'm a bit confused about the ELUC question. I thought we were going there: it has been scheduled and we have a date. Maybe that thread of the conversation will make more sense when I see all the slides in front of me and I can go through the comments.

Regards,  
D.

On Feb 4, 2016, at 6:10 PM, Trotter, Ward FLNR:EX <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)> wrote:

Agree I looked at the deck. Move it along with. Cc to James and me. Thank you Dennis

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Thursday, February 4, 2016 6:04 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK

---

We're good on the deck if you've made those tweaks as per email thread. So ya direct to ADMs

*James Sandland*  
Director, Competitiveness & Innovation Branch

On Feb 4, 2016, at 5:55 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

I can turn this around this evening s.22

To confirm, you want me to send the deck directly to the three ADMs, without going through yourselves first?

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Thursday, February 4, 2016 5:52 PM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK

Thanks It seems like we agree ELUC is where to go.

Dennis if possible can you finalize draft sub and this deck and send it to ADMS (Tom Dave and Kaaren) asap and inform them this needs to get to DMO by end of day Friday.

Question do we ask ADMS for feedback and set by noon Friday? Thoughts.

I am in Vanc Friday and on 2PM ferry back to Vict.

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Thursday, February 4, 2016 5:18 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: FOR REVIEW: MM13 MM05 DECK  
s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Thursday, February 4, 2016 5:15 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK  
Ya probably. There is some crossover between who's on ELUC and CC group.  
s.12,s.13

*James Sandland*  
Director, Competitiveness & Innovation Branch

On Feb 4, 2016, at 5:04 PM, Trotter, Ward FLNR:EX <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)> wrote:

Agree with James. Great draft and I agree with James suggestion.  
Suggests  
s.12,s.13

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Thursday, February 4, 2016 4:16 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK  
Looks pretty good Dennis, thanks for this.  
I'd keep pretty tight as you have, only thing I would add is bit more on a

Other than that I think it's a great first cut DP

*James Sandland*

Director, Competitiveness & Innovation Branch

On Feb 4, 2016, at 3:38 PM, Paradine, Dennis FLNR:EX

<[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Ward, David and James,

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Dennis

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Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

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*We explore the interplay*

*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#)  
**Subject:** RE: FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 7:08:36 PM

---

Thanks David – I'll hold on sending to ADMs awaiting your comments – but will need to send by around 10 tonight.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 4, 2016 6:20 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK

Thanks Dennis,

I'm playing catchup on all the messages flying around.

I have a few comments to send you as soon as I can get home and to a computer. It will be tonight sometime.

I'm a bit confused about the ELUC question. I thought we were going there: it has been scheduled and we have a date. Maybe that thread of the conversation will make more sense when I see all the slides in front of me and I can go through the comments.

Regards,  
D.

On Feb 4, 2016, at 6:10 PM, Trotter, Ward FLNR:EX <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)> wrote:

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Director, Competitiveness & Innovation Branch

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(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
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**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** RE: FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 7:40:44 PM  
**Attachments:** [MM13\\_05.pptx](#)

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Page 309 to/à Page 317

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 8:23:39 PM

---

This is where there was the one point of unreconciled differences between what ENV and FLNR proposed. We hoped to clear that up on the DM call, but it didn't get addressed

Dennis Paradine  
250-356-6230

On Feb 4, 2016, at 8:00 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Dennis,

Can you explain the orange cells in the table on slide 8.

Regards,  
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On Feb 4, 2016, at 7:40 PM, Paradine, Dennis FLNR:EX  
<[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

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**s.12,s.13**

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**From:** [David Tesch](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Fwd: Fwd: FOR REVIEW: MM13 MM05 DECK  
**Date:** February 4, 2016 8:53:39 PM

---

Thanks Dennis for your work on this in such a short time. The slides are good.

Here are my comments:

s.12,s.13

----- Forwarded Message -----

Subject: Fwd: FOR REVIEW: MM13 MM05 DECK Date: Fri, 5 Feb 2016 03:54:12 +0000 From: Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> To: David Tesch <[david.tesch@telus.net](mailto:david.tesch@telus.net)>

Begin forwarded message:

From: "Paradine, Dennis FLNR:EX" <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)<<mailto:Dennis.Paradine@gov.bc.ca>>>  
Date: February 4, 2016 at 7:40:41 PM PST  
To: "Trotter, Ward FLNR:EX" <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)<<mailto:Ward.Trotter@gov.bc.ca>>>, "Sandland, James FLNR:EX" <[James.Sandland@gov.bc.ca](mailto:James.Sandland@gov.bc.ca)<<mailto:James.Sandland@gov.bc.ca>>>  
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<image001.jpg>

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<MM13\_05.pptx>

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** MM13 / MM05 Deck for Review  
**Date:** February 4, 2016 10:55:09 PM  
**Attachments:** [MM13\\_05.pptx](#)

---

Hi Kaaren, Tom and Dave,

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David Tesch, James Sandland and Ward Trotter have all provided comments and are in agreement with the remainder of the content.

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Page 327 to/à Page 335

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: MML #13/#5  
**Date:** February 4, 2016 11:03:51 PM

---

It went fine but Wes couldn't make it. Ward and I briefed him this am. We should chat in the morning.

K

Sent from my iPhone

On Feb 4, 2016, at 3:58 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Kaaren,

How did the DM briefing go on MML #13/#5? Did you collectively decide on how to deal with the elements coloured orange in the actions table?

Regards,

D.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Ethier, Tom FLNR:EX](#); [Peterson, Dave FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: MM13 / MM05 Deck for Review  
**Date:** February 5, 2016 10:04:53 AM

---

FYI that the cab sub will also be ready to transmit by the end of day today.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 4, 2016 10:54 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Lewis, Kaaren ENV:EX  
**Cc:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Larkin, Brenda FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Date:** February 5, 2016 12:02:16 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Feb 5.docx](#)  
[MM13 05.pptx](#)  
**Importance:** High

---

Hi Brenda,

Here are the final versions of the PowerPoint deck and cabinet submission for your go-through and then transmission to NRB.

I did not receive any input on the deck from ADMs today, so it should be good to go.

s.12,s.13

Best,  
Dennis

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Friday, February 5, 2016 10:37 AM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: reminder: NRB materials due today

Brenda

We are on this. I expect we can get to you just after lunch. Dennis any chance of sending the sub earlier so she can go through it.

Brenda - we will be moving it through Tom and Kaaren's office at same time. If terms of process can you manage this. That is you send it over. I had discussed this with DMO and both Wes and Tim will require same doc and ppt.

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Friday, February 5, 2016 10:25 AM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** FW: reminder: NRB materials due today

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Friday, February 5, 2016 9:15 AM  
**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX  
**Subject:** reminder: NRB materials due today



Jillian Rousselle

Director, Executive Operations

Deputy Minister's Office

Ministry of Forests, Lands and Natural Resource Operations

(250) 356-2700

Page 339 to/à Page 372

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Date:** February 5, 2016 1:19:26 PM

---

Thanks David – I just couldn't get to this.

The deck content is fine, but the presentation is poor (too late I know).

I will need some further briefing to understand the "ENV proposed" wording (and subtle implications) vs the FNLN proposal. We can deal with this on Tues am I guess, unless you have the energy to write to me to better explain the issue/concern.

Thanks

K

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Friday, February 5, 2016 1:10 PM  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Subject:** FW: reminder: NRB materials due today  
**Importance:** High

FLNRO has sent the final versions of the material up to the NRB Secretariat for distribution to the board members. Here are copies of what went up.

Regards,

D.

---

**From:** [Paradine, Dennis FLNR:EX](#)  
**Sent:** Friday, February 5, 2016 12:02 PM  
**To:** [Larkin, Brenda FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Importance:** High

Hi Brenda,

Here are the final versions of the PowerPoint deck and cabinet submission for your go-through and then transmission to NRB.

I did not receive any input on the deck from ADMs today, so it should be good to go.

s.12,s.13

Best,

Dennis

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**From:** [Trotter, Ward FLNR:EX](#)  
**Sent:** Friday, February 5, 2016 10:37 AM  
**To:** [Larkin, Brenda FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** Re: reminder: NRB materials due today

Brenda

We are on this. I expect we can get to you just after lunch. Dennis any chance of sending the sub earlier so she can go through it.

Brenda - we will be moving it through Tom and Kaaren's office at same time. If terms of

process can you manage this. That is you send it over. I had discussed this with DMO and both Wes and Tim will require same doc and ppt.

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Friday, February 5, 2016 10:25 AM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** FW: reminder: NRB materials due today

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Friday, February 5, 2016 9:15 AM  
**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX  
**Subject:** reminder: NRB materials due today



**Jillian Rousselle**  
**Director, Executive Operations**  
**Deputy Minister's Office**  
**Ministry of Forests, Lands and Natural Resource Operations**  
**(250) 356-2700**

**From:** Trotter, Ward FLNR:EX  
**To:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Larkin, Brenda FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** Re: reminder: NRB materials due today  
**Date:** February 5, 2016 1:39:26 PM

---

Sounds good James. I can be available as well

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Friday, February 5, 2016 1:23 PM  
**To:** Paradine, Dennis FLNR:EX; Larkin, Brenda FLNR:EX  
**Cc:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today

---

No worries Dennis, forgot about that. I can cover

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, February 5, 2016 1:22 PM  
**To:** Sandland, James FLNR:EX; Larkin, Brenda FLNR:EX  
**Cc:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today

Kaaren may well be attending as well – not sure if she or David T. was going to be point for ENV.  
I hadn't planned on attending – and am booked for Vancouver then.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Friday, February 5, 2016 1:21 PM  
**To:** Larkin, Brenda FLNR:EX; Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today

Dennis and myself will accompany Tom for support/ questions. Can't speak for Ward but I believe he was planning on attending too.

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Friday, February 5, 2016 1:20 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today

Thank you Dennis, I will take a quick peek at the document to double check for spelling errors.  
Can you please confirm, if you know, who will be attending NR Board.  
Thank you

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, February 5, 2016 12:02 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today

**Importance:** High

Hi Brenda,

Here are the final versions of the PowerPoint deck and cabinet submission for your go-through and then transmission to NRB.



I did not receive any input on the deck from ADMs today, so it should be good to go.  
s.12,s.13

Best,  
Dennis

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**From:** Trotter, Ward FLNR:EX  
**Sent:** Friday, February 5, 2016 10:37 AM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: reminder: NRB materials due today

Brenda

We are on this. I expect we can get to you just after lunch. Dennis any chance of sending the sub earlier so she can go through it.

Brenda - we will be moving it through Tom and Kaaren's office at same time. If terms of process can you manage this. That is you send it over. I had discussed this with DMO and both Wes and Tim will require same doc and ppt.

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**From:** Larkin, Brenda FLNR:EX  
**Sent:** Friday, February 5, 2016 10:25 AM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** FW: reminder: NRB materials due today

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**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Friday, February 5, 2016 9:15 AM  
**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX  
**Subject:** reminder: NRB materials due today



**Jillian Rousselle**  
**Director, Executive Operations**  
**Deputy Minister's Office**  
**Ministry of Forests, Lands and Natural Resource Operations**  
**(250) 356-2700**

**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Date:** February 5, 2016 1:47:57 PM

---

Hi, just read the document and I have a quick question if someone could give me a call. Thank you

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, February 5, 2016 12:02 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today  
**Importance:** High

Hi Brenda,

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s.12,s.13

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Dennis

---

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**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: reminder: NRB materials due today

Brenda

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**Sent:** Friday, February 5, 2016 9:15 AM  
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**Subject:** reminder: NRB materials due today



Jillian Rousselle  
Director, Executive Operations

**Deputy Minister's Office**  
**Ministry of Forests, Lands and Natural Resource Operations**  
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**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Date:** February 5, 2016 2:04:06 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Feb 5.docx](#)  
[NRB Presentation MM13 05 \(Feb 10\).pptx](#)

---

As mentioned I made some very minor changes. I've used track changes in the word document but couldn't on the powerpoint.

I will be removing the track changes and sending in a clean version to Jillian.

Brenda

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, February 5, 2016 12:02 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: reminder: NRB materials due today  
**Importance:** High

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s.12,s.13

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Dennis

---

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**Sent:** Friday, February 5, 2016 10:37 AM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Re: reminder: NRB materials due today

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**From:** Larkin, Brenda FLNR:EX  
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**To:** Trotter, Ward FLNR:EX  
**Subject:** FW: reminder: NRB materials due today

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**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX

**Subject:** reminder: NRB materials due today



**Jillian Rousselle**

**Director, Executive Operations**

**Deputy Minister's Office**

**Ministry of Forests, Lands and Natural Resource Operations**

**(250) 356-2700**

Page 381 to/à Page 414

Withheld pursuant to/removed as

s.12;s.13

**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Rousselle, Jillian FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#); [Boyce, Melanie FLNR:EX](#)  
**Subject:** reminder: NRB materials due today  
**Date:** February 5, 2016 2:17:03 PM  
**Attachments:** [NRB Presentation MM13\\_05 \(Feb 10\).pptx](#)  
[MM13 MM05 Cabinet Request for Decision Feb 5.docx](#)

---

Jillian,  
Attached you will find the material for the MM#13 & #5.  
As I understand it the following individuals are attending:  
FLNR: Tom Ethier, Dave Peterson, Ward Trotter, James Sandland.  
ENV: Kaaren Lewis and David Tesch  
Any questions, please let me know.  
Brenda

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Friday, February 5, 2016 9:15 AM  
**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX  
**Subject:** reminder: NRB materials due today



Jillian Rousselle  
Director, Executive Operations  
Deputy Minister's Office  
Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-2700

Page 416 to/à Page 449

Withheld pursuant to/removed as

s.12;s.13



**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Rousselle, Jillian FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#); [Boyce, Melanie FLNR:EX](#)  
**Subject:** RE: reminder: NRB materials due today  
**Date:** February 5, 2016 2:24:17 PM  
**Attachments:** [NRB Presentation MM13\\_05 \(Feb 10\).pptx](#)

---

Sorry Jillian. I just noticed a spelling error on slide 3... please use this version.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Friday, February 5, 2016 2:17 PM  
**To:** Rousselle, Jillian FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Boyce, Melanie FLNR:EX  
**Subject:** reminder: NRB materials due today  
Jillian,  
Attached you will find the material for the MM#13 & #5.  
As I understand it the following individuals are attending:  
FLNR: Tom Ethier, Dave Peterson, Ward Trotter, James Sandland.  
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Any questions, please let me know.  
Brenda

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Friday, February 5, 2016 9:15 AM  
**To:** French, Shawna ABR:EX; Morales, Stefan AGRI:EX; Barillaro, Scott W ENV:EX; Larkin, Brenda FLNR:EX; De Champlain, Rhonda MEM:EX  
**Subject:** reminder: NRB materials due today



Jillian Rousselle  
Director, Executive Operations  
Deputy Minister's Office  
Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-2700

Page 451 to/à Page 459

Withheld pursuant to/removed as

s.12;s.13

Page 460 to/à Page 477

Withheld pursuant to/removed as

s.12;s.14;s.13

Page 001 to/à Page 020

Withheld pursuant to/removed as

s.12;s.14;s.13

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: NR Board Presentation Tomorrow  
**Date:** February 9, 2016 9:44:27 AM

---

I can drop down around 11 that work?

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, February 9, 2016 9:42 AM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** NR Board Presentation Tomorrow

Hi Ward,

Can we make some time today to go over the NR Board Presentation on MML#5/#13? Kaaren would like to know how it will be presented and have some speaking notes prepared.

Regards,

D.

**From:** [Sandland, James FLNR:EX](#)  
**To:** [Ethier, Tom FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#); [Larkin, Brenda FLNR:EX](#)  
**Subject:** Follow-up: Mandate #13 & #5 NRB Presentation  
**Date:** February 9, 2016 3:14:40 PM  
**Attachments:** [MM13 speaking points v2.docx](#)

---

Hi Tom, Kaaren

Dave, Warren, Dennis and I had a quick discussion this morning to try and confirm things for tmrw's NRB meeting. We landed on Tom presenting the deck to NRB and having both of you make some introductory remarks.

Attached are some draft speaking points for the deck. Please add/ edit as you like. I aimed to have Dave and Ward have a look before firing over to you but I was pulled into a couple meetings with my Deputy so didn't get a chance to do that. So in consideration of time, here are the draft bullets. If there is feedback and additions from folks I'm happy to take those, revise the document and send out tomorrow morning. I will also insert these into the notes pages of the deck.

Cheers,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

*Multidisciplined*

*We explore the interplay*

*Nature and commerce*

Page 023 to/à Page 026

Withheld pursuant to/removed as

s.12;s.13

Page 027 to/à Page 028

Withheld pursuant to/removed as

s.12;s.14;s.13



**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Subject:** NRB Materials  
**Date:** February 10, 2016 10:00:00 AM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Feb 5.docx](#)  
[NRB Presentation MM13\\_05 \(Feb 10\).pptx](#)  
[MM13 speaking points v2.docx](#)

---

Hi Thomas,

Here are the materials being discussed at NRB today (Cab Sub and Slide Deck). I've also included the ADM's speaking notes which were completed yesterday afternoon.

Regards,

D.

Page 030 to/à Page 067

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Follow-up: Mandate #13 & #5 NRB Presentation  
**Date:** February 10, 2016 11:33:02 AM

---

thx

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 10, 2016 11:26 AM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** RE: Follow-up: Mandate #13 & #5 NRB Presentation

I think some of these are touched on in the notes but maybe not specifically on the first slide.

s.12,s.13

Regards,  
D.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Wednesday, February 10, 2016 10:15 AM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Follow-up: Mandate #13 & #5 NRB Presentation

Thanks – I will

Any high level points that you think I should make in introduction from an ENV perspective?

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 10, 2016 8:26 AM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Follow-up: Mandate #13 & #5 NRB Presentation

Hi Kaaren,

With respect to the introduction part for you and Tom, if you are acknowledging contributing ENV staff, the principle participant were:

Susanne Laaksonen-Craig and Thomas White from CAS; and,

Lynn Kriwoken, Celine Davis and myself from ESSPD.

Regards,  
D.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Tuesday, February 9, 2016 3:15 PM  
**To:** Ethier, Tom FLNR:EX; Lewis, Kaaren ENV:EX  
**Cc:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; Larkin, Brenda FLNR:EX  
**Subject:** Follow-up: Mandate #13 & #5 NRB Presentation

Hi Tom, Kaaren

Dave, Warren, Dennis and I had a quick discussion this morning to try and confirm things for tmrw's NRB meeting. We landed on Tom presenting the deck to NRB and having both of you make some introductory remarks.

Attached are some draft speaking points for the deck. Please add/ edit as you like. I aimed to have Dave and Ward have a look before firing over to you but I was pulled into a couple meetings with my

Deputy so didn't get a chance to do that. So in consideration of time, here are the draft bullets. If there is feedback and additions from folks I'm happy to take those, revise the document and send out tomorrow morning. I will also insert these into the notes pages of the deck.

Cheers,

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Office: 250-953-3988

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*Multidisciplined*

*We explore the interplay*

*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Sandland, James FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** Re: How did NRB go?  
**Date:** February 10, 2016 5:52:23 PM

---

Thanks James - streamflow graphic was from PCIC, so I'll request an update

Dennis Paradine  
250-356-6230

> On Feb 10, 2016, at 4:42 PM, Sandland, James FLNR:EX <[James.Sandland@gov.bc.ca](mailto:James.Sandland@gov.bc.ca)> wrote:  
>  
> Decent, can chat tomorrow. Got confirmation on ELUC for next step.  
>  
> s.12,s.13

n,

>  
>  
> -----Original Message-----  
> From: Paradine, Dennis FLNR:EX  
> Sent: Wednesday, February 10, 2016 4:30 PM  
> To: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
> Subject: How did NRB go?  
>  
>  
>  
> Dennis Paradine  
> 250-356-6230  
>

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** RE: MM13 Streamflow Slide  
**Date:** February 11, 2016 12:18:56 PM

---

I agree with James email.

I believe Dave offered to take care of the slide change. Dave? The idea was easier to read and  
s.12,s.13

ward

---

**From:** Sandland, James FLNR:EX  
**Sent:** Thursday, February 11, 2016 12:04 PM  
**To:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM13 Streamflow Slide

I had thought that was the case, but honestly couldn't tell yesterday at the meeting. We only had printed copies so that was the biggest challenge – couldn't see.

s.12,s.13

s.12,s.13 Maybe reach out to Glen with Dave and see if there's something he has that works a bit better too though.

JS

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 11, 2016 12:01 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** MM13 Streamflow Slide

James,

Following up on your note. s.12,s.13

s.12,s.13

Dennis

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

From: Sandland, James FLNR:EX

Sent: Wednesday, February 10, 2016 4:43 PM

To: Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX

Subject: RE: How did NRB go?

Decent, can chat tomorrow. Got confirmation on ELUC for next step.  
s.12,s.13

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

From: Paradine, Dennis FLNR:EX

Sent: Wednesday, February 10, 2016 4:30 PM

To: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX

Subject: How did NRB go?

Dennis Paradine

250-356-6230

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Cameron, Valerie Z FLNR:EX](#); [Kriwoken, Lynn ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [White, Thomas ENV:EX](#); [Osbourne, Kelly FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Davis, Celine ENV:EX](#); [Jacobsen, Peter W FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** MM13/MM05 Update  
**Date:** February 12, 2016 9:56:12 AM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
[MM13 MM05 Cabinet Request for Decision Feb 5.docx](#)

---

Hi All,

A quick update on the status and next steps for the MM13 (FLNR)/ MM05 (ENV) submission. The Feb. 10 presentation to NRB went well and we are scheduled for ELUC in early March.  
**s.12,s.13**

To ensure that you have the most recent versions of the files, attached are the live drafts of the presentation and submission. Note that the presentation is actively being edited, so there are a few placeholders, etc. in it.

Best,

Dennis



Page 074 to/à Page 109

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Page 110 to/à Page 112

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s.12;s.14;s.13

Page 113 to/à Page 136

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Page 137 to/à Page 139

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Page 140

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s.12;s.13



- The purpose of this document is to better focus Cabinet discussion on the issue at hand and, through the “Proposed Minute” section, both more clearly articulate the requested outcome and allow for faster turn-around of Cabinet Minutes.
- This must be attached to all new Cabinet Submissions.
- **Maximum length:** 1 page.

**DELETE THE ABOVE BEFORE SENDING**

## **Cabinet Decision Summary Sheet**

**Ministry:**

**Date:** DD/MM/YYYY

<b>Title:</b>	<b>Submission Title</b>
---------------	-------------------------

**Issue:** (1 – 2 Sentence Max)

*Why is this submission important for Cabinet to discuss?*

*What is the core issue or question that should focus Cabinet’s discussion?*

**Recommendation/Request:** (1 succinctly worded paragraph - use bullets if appropriate)

*Please include the full recommended option or request.*

**Proposed Minute:** (2 -3 succinctly worded paragraphs – max )

*Questions to consider if appropriate:*

*What specific direction do you need from Cabinet (include decisions)?*

*What will be different and by when?*

*What performance measures will be used to assess success?*

*Do you anticipate this item returning to Cabinet? If so when?*

*What should Cabinet’ anticipate or expect from a returning submission?*

<b>Contact:</b> First Name Last Name, Title (250) XXX-XXXX	<hr/> Honourable First Name Last Name  <hr/> Date Signed
---	--

## **Speaking Notes**

**“TITLE”**

- 

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Page 143 to/à Page 144

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Page 145 to/à Page 180

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- The purpose of this document is to better focus Cabinet discussion on the issue at hand and, through the “Proposed Minute” section, both more clearly articulate the requested outcome and allow for faster turn-around of Cabinet Minutes.
- This must be attached to all new Cabinet Submissions.
- **Maximum length:** 1 page.

**DELETE THE ABOVE BEFORE SENDING**

## **Cabinet Decision Summary Sheet**

**Ministry:**

**Date:** DD/MM/YYYY

<b>Title:</b>	<b>Submission Title</b>
---------------	-------------------------

**Issue:** (1 – 2 Sentence Max)

*Why is this submission important for Cabinet to discuss?*

*What is the core issue or question that should focus Cabinet’s discussion?*

**Recommendation/Request:** (1 succinctly worded paragraph - use bullets if appropriate)

*Please include the full recommended option or request.*

**Proposed Minute:** (2 -3 succinctly worded paragraphs – max )

*Questions to consider if appropriate:*

*What specific direction do you need from Cabinet (include decisions)?*

*What will be different and by when?*

*What performance measures will be used to assess success?*

*Do you anticipate this item returning to Cabinet? If so when?*

*What should Cabinet’ anticipate or expect from a returning submission?*

<b>Contact:</b> First Name Last Name, Title (250) XXX-XXXX	<hr/> Honourable First Name Last Name  <hr/> Date Signed
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Page 182 to/à Page 233

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Page 234 to/à Page 237

Withheld pursuant to/removed as

s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Larkin, Brenda FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Cc:** [Fletcher, Christine E FLNR:EX](#); [Kriwoken, Lynn ENV:EX](#); [Cameron, Valerie Z FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Osbourne, Kelly FLNR:EX](#); [Maley, Madeline L FLNR:EX](#)  
**Subject:** Final Version of MM13 Cab Sub for transmission  
**Date:** February 16, 2016 3:05:02 PM  
**Attachments:** [MM13 MM05 Cabinet Request for Decision Feb 16.docx](#)  
[MM13 MM05 Summary Sheet Feb 16.docx](#)  
**Importance:** High

---

Hi Brenda,

Attached is the final version of the MM13/MM05 Cab Sub and Summary sheet for your final review and transmission. In the submission, Table 1 has been edited to add the status and timelines information requested during this morning's ADM call.

Christine, Lynn, Valerie, Dave, Ian and Kelly – thanks for your help today. I'll be sending around a more detailed table next week to make sure that all the details on program and proposal status are in one place for deputies when they present to ELUC.

Best,

Dennis



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
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*We explore the interplay*  
*Nature and commerce*

Page 239 to/à Page 265

Withheld pursuant to/removed as

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**From:** Paradine, Dennis FLNR:EX  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Final Version of MM13 Cab Sub for transmission  
**Date:** February 16, 2016 3:43:49 PM  
**Attachments:** RE FOR REVIEW MM13MM05 Draft ELUC Materials.msg  
RE FOR REVIEW MM13MM05 Draft ELUC Materials.msg  
RE FOR REVIEW MM13MM05 Draft ELUC Materials.msg  
RE FOR REVIEW MM13MM05 Draft ELUC Materials.msg

---

Yes to all reviews. See attached.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Tuesday, February 16, 2016 3:37 PM  
**To:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Final Version of MM13 Cab Sub for transmission  
Gordon is asking if this sub has been run by TBS, Murray Jacobs, Geraldine Hutchins and Legislation.  
Also please note that I have forwarded it to Marnie as apparently Kaaren hadn't seen this yet.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, February 16, 2016 3:05 PM  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Cc:** Fletcher, Christine E FLNR:EX; Kriwoken, Lynn ENV:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; Maley, Madeline L FLNR:EX  
**Subject:** Final Version of MM13 Cab Sub for transmission  
**Importance:** High

Hi Brenda,

Attached is the final version of the MM13/MM05 Cab Sub and Summary sheet for your final review and transmission. In the submission, Table 1 has been edited to add the status and timelines information requested during this morning's ADM call.

Christine, Lynn, Valerie, Dave, Ian and Kelly – thanks for your help today. I'll be sending around a more detailed table next week to make sure that all the details on program and proposal status are in one place for deputies when they present to ELUC.

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Page 267 to/à Page 269

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Page 271 to/à Page 297

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Page 299 to/à Page 300

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Page 302 to/à Page 303

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s.12;s.14;s.13



Page 305

Withheld pursuant to/removed as

s.12;s.14;s.13



**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: Final Version of MM13 Cab Sub for transmission  
**Date:** February 16, 2016 3:46:07 PM

---

Thank you

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, February 16, 2016 3:44 PM  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Final Version of MM13 Cab Sub for transmission  
Yes to all reviews. See attached.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Tuesday, February 16, 2016 3:37 PM  
**To:** Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Final Version of MM13 Cab Sub for transmission  
Gordon is asking if this sub has been run by TBS, Murray Jacobs, Geraldine Hutchins and Legislation.  
Also please note that I have forwarded it to Marnie as apparently Kaaren hadn't seen this yet.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, February 16, 2016 3:05 PM  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Cc:** Fletcher, Christine E FLNR:EX; Kriwoken, Lynn ENV:EX; Cameron, Valerie Z FLNR:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; Maley, Madeline L FLNR:EX  
**Subject:** Final Version of MM13 Cab Sub for transmission  
**Importance:** High

Hi Brenda,

Attached is the final version of the MM13/MM05 Cab Sub and Summary sheet for your final review and transmission. In the submission, Table 1 has been edited to add the status and timelines information requested during this morning's ADM call.

Christine, Lynn, Valerie, Dave, Ian and Kelly – thanks for your help today. I'll be sending around a more detailed table next week to make sure that all the details on program and proposal status are in one place for deputies when they present to ELUC.

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Dennis



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*Nature and commerce*

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Fw: Agri climate change deck  
**Date:** February 16, 2016 8:10:54 PM

---

Dave fyi  
See below  
I will set up a call with you Joan et al.

Ward  
Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, February 16, 2016 8:10 PM  
**To:** Ethier, Tom FLNR:EX; Peterson, Dave FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Subject:** Agri climate change deck

---

Tom and Dave

Magri staff (Joan Easton) has informed us that their climate change deck will go to ELUC rather than DMCSE. The date the have is Mar 17th ELUC. They suggested that this likely means that it will also be reviewed at the March 3 DCMCL meeting (dates have moved up from our perspective).

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

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Best,  
Dennis



Dennis Paradine  
Manager, Climate Solutions  
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Page 310 to/à Page 338

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**From:** Easton, Joan E AGRI:EX

**Sent:** Wednesday, February 10, 2016 9:28 AM

**To:** Boyle, Naomi FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; White, Thomas ENV:EX; Romero, Jenny AGRI:EX

**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

Good morning everyone

For this morning's call, please find attached the current version of Agriculture's climate change deck. This is not for further distribution.

<< File: Agri climate change draft deck feb 2.pptx >>

Also please find attached AGRI's CLT recommendation 16 and 18 responses

<< File: AGRI CLT responses 16 and 18.docx >>

Regards

Joan

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

**From:** Boyle, Naomi FLNR:EX

**Sent:** Wednesday, January 27, 2016 4:11 PM

**To:** Boyle, Naomi FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; White, Thomas ENV:EX; Romero, Jenny AGRI:EX; Easton, Joan E AGRI:EX

**Subject:** Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

**When:** Wednesday, February 10, 2016 10:30 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Conference Call

In light of distance and time please note this will be a conference call meeting.

**Dial-in Phone Numbers:**

<< File: FLNR-BN-for-Information - CLT Rec 16 - forest policy and protected areas - Jan 26, 2016.docx >> **1-877-353-9184 Toll Free - North America**

<< File: FLNR-BN-for-Information - CLT 17 Fibre utilization.docx >> **604-681-0260 Vancouver local**

<< File: FLNR CLT recs policy matrix - 26 Jan2016 (16 and 17).xlsx >> **Participant Conference ID: 615 151 1511**

James Sandland will be Moderator

Hi All,

Thanks for the time today, short but productive call. Few items attached as per our discussion:

- CLT Recommendations table – with FLNR input for #16 and #17
- Companion Info notes on #16 and #17

Will set up a follow-up call for couple weeks' time and share FLNR Mandate #13 submission and AGRI deck when ready.

<< OLE Object: Picture (Device Independent Bitmap) >>

<< OLE Object: Picture (Device Independent Bitmap) >>

<< OLE Object: Picture (Device Independent Bitmap) >>

Cheers,

James

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*We explore the interplay*

*Nature and commerce*

Page 340 to/à Page 362

Withheld pursuant to/removed as

s.12;s.13





**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Easton, Joan E AGRI:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** Re: AGRI Climate Change deck  
**Date:** February 17, 2016 6:55:50 AM

---

Thanks Joan. I am looping in our team Dave Tesch in MOE and James . Out draft sub went to Cab Ops yesterday. We need to finalize it signed by both Ministers and include the summary sheet and speaking points by next Tuesday noon.

It is important we coordinate and keep each other informed and then let our ADMS and DMS know about this.

Thanks  
Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Tuesday, February 16, 2016 8:11 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: AGRI Climate Change deck

---

Dennis Paradine had contacted us about some bullets/sentences for your (FLNR/ENV's) ELUC deck and submission – he has been patient with me and I got them off tonight.

Ward, in case you need them too here are the two emails.

Regards  
Joan

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Tuesday, February 16, 2016 8:05 PM  
**To:** Easton, Joan E AGRI:EX  
**Subject:** Re: AGRI Climate Change deck

Thanks Joan

We will be sharing out material for ELUC with you and then we should have a call. We should include MOE. Dave Tesch is our contact on the MML file.

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Tuesday, February 16, 2016 6:42 PM  
**To:** Trotter, Ward FLNR:EX  
**Subject:** RE: AGRI Climate Change deck

Hi Ward – FYI, we have been told today that the climate change deck will go to ELUC rather than DMCSE. The date we have is Mar 17th ELUC. This likely means that it will also be reviewed at the March 3 DCMCL meeting (dates have moved up from our perspective).

Let me know if you have any change suggestions or comments (beyond the cover page of course 😊)

Regards  
Joan

---

**From:** Easton, Joan E AGRI:EX

**Sent:** Wednesday, February 3, 2016 10:23 PM

**To:** Trotter, Ward FLNR:EX

**Subject:** AGRI Climate Change deck

Ward

Attached is this ministry's climate change deck. The destination is Cabinet Committee Secure Economy in March and like your submission this is intended to obtain direction.

This draft dates from this afternoon. I believe that Arif has sent it to Tom for his comment and so Tom is aware of what is underway. This is also intended to address our Minister's mandate letter requirement.

If you have any questions please let me know. The date we have for DMCSE is March 8 and CCSE is March 14.

Regards

Joan

**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: Our cab sub  
**Date:** February 17, 2016 7:57:20 AM

---

I didn't submit it yesterday as I was supposed to. I am sure that Gordon will be coming to see me at 8:00.

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

From: Trotter, Ward FLNR:EX  
Sent: Wednesday, February 17, 2016 7:06 AM  
To: Tesch, David ENV:EX; Larkin, Brenda FLNR:EX  
Subject: Re: Our cab sub

By way of including her in this email I am asking Brenda to see if cab Ops can put this on hold to 830.

My understanding is the sub is submitted as a draft so depending on what error is we might just fix this for final?

Let us know asap.

Thanks

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

Original Message  
From: Tesch, David ENV:EX  
Sent: Wednesday, February 17, 2016 7:01 AM  
To: Trotter, Ward FLNR:EX  
Subject: Our cab sub

Hey Ward,

Kaaren found an error in our cab sub last night. Can we get cab ops to put a hold on it until 8:30 this morning. I should be able to get the correction made by then.

Regards,  
D.

**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Robinson, Gordon FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Llewellyn-Thomas, Marnie ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** Climate Change Impacts ELUC submission  
**Date:** February 17, 2016 8:47:30 AM  
**Attachments:** [MM13 MM05 Summary Sheet Feb 16.docx](#)  
[MM13 MM05 Cabinet Request for Decision Feb 16.docx](#)

---

Good Morning Gordon,

Thank you for your patience and sorry we are late in submitting our documents to you.

Attached you will find the draft Cabinet Request for Decision and the Summary Sheet.

We have a briefing set up with MST and MMP on February 22<sup>nd</sup> and I am assuming these will be the documents that we will be briefing them with. I am not sure if I should be sending to Jayne/Kim to get to the Ministers' office or if this is done through you. Can you please confirm.

Thank you

**Brenda Larkin**

Executive Administrative Assistant

Resource Stewardship Division

Ministry of Forests, Lands and Natural Resource Operations

780 Blanshard Street, Victoria

Ph: 250 356-0972

Page 368 to/à Page 394

Withheld pursuant to/removed as

s.12;s.13

**From:** Paradine, Dennis FLNR:EX  
**To:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Climate Change Impacts ELUC submission - PPT presentation  
**Date:** February 17, 2016 11:28:26 AM

---

Yes, the ppt will be ready for Monday – most likely tomorrow.

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:27 AM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** Q: Climate Change Impacts ELUC submission - PPT presentation  
Can you please advise about the ppt presentation? Not sure if we were going to have it for the Monday morning meeting with the Ministers.  
Brenda

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:25 AM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
Thanks. Any chance we could get it by the end of the week or Monday morning?  
*Gordon Robinson* | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447  
[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:24 AM  
**To:** Robinson, Gordon FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
There will be a powerpoint.

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:05 AM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
Hey Brenda,

Is there a powerpoint that goes with this or is going to be a verbal presentation?  
*Gordon Robinson* | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447  
[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 8:47 AM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** Climate Change Impacts ELUC submission  
Good Morning Gordon,  
Thank you for your patience and sorry we are late in submitting our documents to you.  
Attached you will find the draft Cabinet Request for Decision and the Summary Sheet.  
We have a briefing set up with MST and MMP on February 22<sup>nd</sup> and I am assuming these will be the documents that we will be briefing them with. I am not sure if I should be sending to Jayne/Kim to get to the Ministers' office or if this is done through you. Can you please confirm.  
Thank you  
**Brenda Larkin**  
Executive Administrative Assistant  
Resource Stewardship Division  
Ministry of Forests, Lands and Natural Resource Operations

780 Blanshard Street, Victoria  
Ph: 250 356-0972

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: Alternate Slides to show the change in hydrology  
**Date:** February 17, 2016 12:22:45 PM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)

---

Thanks Dave –since pure rainfall systems in BC are limited, and since the mandate question is on retreating glaciers and decreased snowpacks, suggest that we include the (a) snowmelt dominated; and (b) glacier watershed graphs.

Let me know what you think of slide 5 in the attached (don't worry about formatting). I've kept the original slide text, and would include the text about what happens in the watersheds for speaking points.

Dennis

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Tuesday, February 16, 2016 3:25 PM  
**To:** [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** Alternate Slides to show the change in hydrology

Here are some slides from the recent hydrology training that provide a simpler view of the changes in hydrographs. Maybe we could pick one of these.

Regards,

D.



Page 398 to/à Page 408

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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** RE: Alternate Slides to show the change in hydrology  
**Date:** February 17, 2016 12:52:11 PM

---

Thanks – for the red lines, animation – I had to group the graphics to ensure that things were in the right place / size. I'll ungroup now that they are stable.

Will add the attribution

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Wednesday, February 17, 2016 12:43 PM  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** Re: Alternate Slides to show the change in hydrology

Thanks Dennis,

Those were the 2 images I was thinking of. Maybe it is the animation on the slides but the red lines on the original slides are key to telling the story, so we need to get that in these images.

Also we might want to grab the original slides bullet points and put them in the speaking notes of our presentation.

Attribution of the slides should be Robin Pike, Hydrology 101, WSA learning labs presentation

Regards,

D.

On Feb 17, 2016, at 12:22 PM, [Paradine, Dennis FLNR:EX <Dennis.Paradine@gov.bc.ca>](#) wrote:

Thanks Dave –since pure rainfall systems in BC are limited, and since the mandate question is on retreating glaciers and decreased snowpacks, suggest that we include the (a) snowmelt dominated; and (b) glacier watershed graphs.

Let me know what you think of slide 5 in the attached (don't worry about formatting). I've kept the original slide text, and would include the text about what happens in the watersheds for speaking points.

Dennis

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**From:** [Tesch, David ENV:EX](#)  
**Sent:** Tuesday, February 16, 2016 3:25 PM  
**To:** [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** Alternate Slides to show the change in hydrology

Here are some slides from the recent hydrology training that provide a simpler view of the changes in hydrographs. Maybe we could pick one of these.

Regards,

D.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** URGENT: MM13 Deck  
**Date:** February 18, 2016 12:21:15 PM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
**Importance:** High

---

For your review as well – I need to have submitted between 1 and 2 p.m today

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 12:19 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** URGENT: MM13 Deck  
**Importance:** High

Hi James and Ward,

Here is the updated MM13 deck for your review prior to sending to Brenda. I'll be removing the notes below the pages as everything should be in speaking notes instead.

Dennis



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

Page 411 to/à Page 421

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: URGENT: MM13 Deck  
**Date:** February 18, 2016 1:00:52 PM

---

Thanks – done in the notes. [s.12,s.13](#)  
[s.12,s.13](#)

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 12:46 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** Re: URGENT: MM13 Deck  
Thanks Dennis,  
[s.12,s.13](#)

Regards,  
D.

On Feb 18, 2016, at 12:21 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

For your review as well – I need to have submitted between 1 and 2 p.m today

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 12:19 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** URGENT: MM13 Deck  
**Importance:** High

Hi James and Ward,

Here is the updated MM13 deck for your review prior to sending to Brenda. I'll be removing the notes below the pages as everything should be in speaking notes instead.

Dennis

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British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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*Multi-disciplined*  
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*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: URGENT: MM13 Deck  
**Date:** February 18, 2016 1:01:32 PM

---

done

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 12:50 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** Re: URGENT: MM13 Deck  
Here is another quick comment:  
s.12,s.13

Regards,  
D.

On Feb 18, 2016, at 12:21 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

For your review as well – I need to have submitted between 1 and 2 p.m today

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 12:19 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** URGENT: MM13 Deck  
**Importance:** High

Hi James and Ward,

Here is the updated MM13 deck for your review prior to sending to Brenda. I'll be removing the notes below the pages as everything should be in speaking notes instead.

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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 1:20:44 PM  
**Attachments:** [ELUC Speaking notes MM13 Mar 03.docx](#)  
**Importance:** High

---

Hi Ward, James and Dave,

Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought.

I'm still doing some clean-up on the extra notes, etc.

Thanks,

Dennis



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*Nature and commerce*

Page 425 to/à Page 429

Withheld pursuant to/removed as

s.12;s.13



**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** RE: URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 1:32:18 PM

---

Hi Dave,

Sorry – you weren't at the hallway conversation in Tom's office this morning. Minister's Office has asked for the materials to be provided by today, preferably mid-afternoon.

Dennis

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 1:27 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
**Subject:** Re: URGENT: MM13 SPEAKING NOTES

Just to clarify the process, once we've edited the slides and speaking notes, will they go to Tom and Kaaren for review/approval?

Regards,

D.

On Feb 18, 2016, at 1:20 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Ward, James and Dave,

Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought.

I'm still doing some clean-up on the extra notes, etc.

Thanks,

Dennis

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British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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*Nature and commerce*

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Larkin, Brenda FLNR:EX](#)  
**Subject:** Re: URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 1:34:05 PM

---

Are you ok with the doc Dave. If you are we can move it to Tom's office now and ask that it go to Kaaren

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 1:26 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
**Subject:** Re: URGENT: MM13 SPEAKING NOTES

---

Just to clarify the process, once we've edited the slides and speaking notes, will they go to Tom and Kaaren for review/approval?

Regards,  
D.

On Feb 18, 2016, at 1:20 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Ward, James and Dave,  
Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought. I'm still doing some clean-up on the extra notes, etc.  
Thanks,  
Dennis

Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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*We explore the interplay*  
*Nature and commerce*

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Climate Change Impacts ELUC submission - PPT presentation  
**Date:** February 18, 2016 1:38:58 PM

---

background

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Thursday, February 18, 2016 9:30 AM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission - PPT presentation  
The DM's office is looking to know when we will receive the ppt and speaking notes. They want to send the package to the MO today.  
Please & thank you  
Brenda

---

**From:** Di Georgio, Alexis FLNR:EX  
**Sent:** Wednesday, February 17, 2016 4:35 PM  
**To:** Paradine, Dennis FLNR:EX  
**Cc:** Larkin, Brenda FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission - PPT presentation  
Dennis,

Please see attached example/template of what we have on file regarding Climate Change.

Thanks,

*Alexis Di Georgio*

Administrative Assistant for

**Diane Nicholls & Ward Trotter**

Resource Stewardship Division

Ministry of Forests, Lands and Natural Resource Operations

250-356-5079

780 Blanshard St Victoria BC

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, February 17, 2016 4:26 PM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX  
**Cc:** Larkin, Brenda FLNR:EX; Di Georgio, Alexis FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission - PPT presentation  
Alexis

Can you send Dennis the template and a recent example

Thanks

ward

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Wednesday, February 17, 2016 3:09 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
**Cc:** Larkin, Brenda FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission - PPT presentation  
Hi Ward or James

Could you forward me a recent ELUC speaking notes example to make sure that I hit the right level / use the correct template.

Thanks,

Dennis

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:27 AM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** Q: Climate Change Impacts ELUC submission - PPT presentation  
Can you please advise about the ppt presentation? Not sure if we were going to have it for the Monday morning meeting with the Ministers.  
Brenda

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:25 AM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
Thanks. Any chance we could get it by the end of the week or Monday morning?  
*Gordon Robinson* | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878|cell: 250.213.8447  
[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:24 AM  
**To:** Robinson, Gordon FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
There will be a powerpoint.

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Wednesday, February 17, 2016 11:05 AM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** RE: Climate Change Impacts ELUC submission  
Hey Brenda,  
Is there a powerpoint that goes with this or is going to be a verbal presentation?  
*Gordon Robinson* | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878|cell: 250.213.8447  
[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Wednesday, February 17, 2016 8:47 AM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** Climate Change Impacts ELUC submission  
Good Morning Gordon,  
Thank you for your patience and sorry we are late in submitting our documents to you.  
Attached you will find the draft Cabinet Request for Decision and the Summary Sheet.  
We have a briefing set up with MST and MMP on February 22<sup>nd</sup> and I am assuming these will be the documents that we will be briefing them with. I am not sure if I should be sending to Jayne/Kim to get to the Ministers' office or if this is done through you. Can you please confirm.  
Thank you  
**Brenda Larkin**  
Executive Administrative Assistant  
Resource Stewardship Division  
Ministry of Forests, Lands and Natural Resource Operations  
780 Blanshard Street, Victoria  
Ph: 250 356-0972

**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Lewellyn-Thomas, Marnie ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** FW: URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 2:31:34 PM  
**Attachments:** [ELUC Speaking notes MM13 Mar 03.docx](#)  
[ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
[FW How did NRB go.msg](#)  
**Importance:** High

---

Kaaren, as Marnie previously mentioned to you this is the ppt presentation and speaking notes that are going forward for Monday's briefing. I was going to submit it without any ADM approval to meet my DMOs deadline, but I am not comfortable that all of the edits were made as the email (attached) that outlines them is very confusing.

Ward has indicated he is good with the speaking notes, but not sure if Dave made any edits.

Tom has been pulled to work on a rush assignment for our DM and doesn't have an opportunity to review the document.

Would you be able to cast your eyes on the attachments and provide your approval.

Thank you in advance and your time is greatly appreciated.

Brenda

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** FW: URGENT: MM13 SPEAKING NOTES  
**Importance:** High

Hi Brenda,

FYI on status – we are good on the deck (attached), and the speaking notes in review now by Ward, James and Dave T.

Best,

Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 1:21 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** URGENT: MM13 SPEAKING NOTES  
**Importance:** High

Hi Ward, James and Dave,

Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought.

I'm still doing some clean-up on the extra notes, etc.

Thanks,

Dennis



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
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Page 435 to/à Page 436

Withheld pursuant to/removed as

s.12;s.13

Page 001 to/à Page 014

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX []  
**To:** Larkin, Brenda FLNR:EX [Brenda.Larkin@gov.bc.ca]  
**Subject:** FW: How did NRB go?  
**Date:** Thursday, February 18, 2016 12:43:23

---

Fyi

A slide is added on the Agri piece and our collaboration ... I think this is what MOE was looking for.

ward

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

From: Sandland, James FLNR:EX  
Sent: Wednesday, February 10, 2016 4:43 PM  
To: Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX  
Subject: RE: How did NRB go?

Decent, can chat tomorrow. Got confirmation on ELUC for next step.  
s.12,s.13

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

From: Paradine, Dennis FLNR:EX  
Sent: Wednesday, February 10, 2016 4:30 PM  
To: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
Subject: How did NRB go?

Dennis Paradine  
250-356-6230



**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Larkin, Brenda FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Boyce, Melanie FLNR:EX](#)  
**Subject:** RE: URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 2:33:14 PM  
**Attachments:** [ELUC Speaking notes MM13 05 Mar 03.docx](#)

---

Thanks Dave, Ward and James.

Brenda, attached are the (draft) speaking notes for MM13 / MM05. Please note Dave's concern about additional detail for slide 10.

Best,

Dennis

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Thursday, February 18, 2016 2:02 PM  
**To:** [Trotter, Ward FLNR:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** Re: URGENT: MM13 SPEAKING NOTES

Some edits to the notes:

s.12,s.13

Regards,

D.

On Feb 18, 2016, at 1:50 PM, Trotter, Ward FLNR:EX <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)> wrote:

Thanks Dennis. These look great. Ward

Sent from my iPad

On Feb 18, 2016, at 1:20 PM, Paradine, Dennis FLNR:EX <[Dennis.Paradine@gov.bc.ca](mailto:Dennis.Paradine@gov.bc.ca)> wrote:

Hi Ward, James and Dave,

Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought.

I'm still doing some clean-up on the extra notes, etc.

Thanks,

Dennis

Dennis Paradine  
Manager, Climate Solutions  
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*Nature and commerce*

Page 018 to/à Page 022

Withheld pursuant to/removed as

s.12;s.13

**From:** [Llewellyn-Thomas, Marnie ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
**Date:** February 18, 2016 3:17:43 PM

---

Okay, thank you.

~Marnie

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 3:17 PM  
**To:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
For Slides 4 and 5, these comments are the same as the ones sent from Brenda.  
The comments for slide 10 are brand new. I wanted to run them by Kaaren before having them incorporated into the main document.

---

**From:** Llewellyn-Thomas, Marnie ENV:EX  
**Sent:** Thursday, February 18, 2016 3:14 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
Hi Dave,  
Is this version the same as the one Dennis sent at 2:33 today (Brenda forwarded them to me)  
~Marnie

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Thursday, February 18, 2016 3:11 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
Thanks dave  
Who did you send slide deck edits too? If you send to me I will just make them as part of my adm review....I am also having someone in our SPB clean up the slides to look cleaner.  
K

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 3:09 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** Some edits to the speaking notes for the MML13/5 Slide Deck  
Hi Kaaren,

Here are my edits to the speaking notes for the slide deck. I have submitted the edits for slides 4 and 5 already, but the comments for slide 10 are new and have not been sent in yet. I felt the original speaking notes for slide 10 were really thin and didn't really address the content on the slide. I tried to address that, but it might be too wordy for an ELUC presentation. Maybe we can discuss.

s.12,s.13

s.12,s.13

Regards,  
D.

**From:** [Llewellyn-Thomas, Marnie ENV:EX](#)  
**To:** [Larkin, Brenda FLNR:EX](#); [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** RE: URGENT: MM13 SPEAKING NOTES  
**Date:** February 18, 2016 3:47:26 PM  
**Attachments:** [ELUC Speaking notes MM13 Mar 03.docx](#)  
[ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)

---

Hi Brenda,

Attached are some track changes made to the speaking notes, Kaaren split the presentation between ENV and FLNR...allowing ENV to speak to water strategies and the slides 6 and 7...

~Marnie

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Thursday, February 18, 2016 2:31 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Tesch, David ENV:EX  
**Subject:** FW: URGENT: MM13 SPEAKING NOTES  
**Importance:** High

Kaaren, as Marnie previously mentioned to you this is the ppt presentation and speaking notes that are going forward for Monday's briefing. I was going to submit it without any ADM approval to meet my DMOs deadline, but I am not comfortable that all of the edits were made as the email (attached) that outlines them is very confusing.

Ward has indicated he is good with the speaking notes, but not sure if Dave made any edits.

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Would you be able to cast your eyes on the attachments and provide your approval.

Thank you in advance and your time is greatly appreciated.

Brenda

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Subject:** FW: URGENT: MM13 SPEAKING NOTES  
**Importance:** High

Hi Brenda,

FYI on status – we are good on the deck (attached), and the speaking notes in review now by Ward, James and Dave T.

Best,

Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Thursday, February 18, 2016 1:21 PM  
**To:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX  
**Subject:** URGENT: MM13 SPEAKING NOTES  
**Importance:** High

Hi Ward, James and Dave,

Attached are the draft MM13 ELUC speaking notes. I have edited for the additional / changed slides and delivery to ELUC. Please put your attention to the speaking points for slides 3, 5, 8, 9, 10 and 11 as they have changed the most. In particular, the narrative for 9, 10 and 11 needs thought.

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Thanks,

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Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations



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Page 027 to/à Page 043

Withheld pursuant to/removed as

s.12;s.13



**From:** [Larkin, Brenda FLNR:EX](#)  
**To:** [Rosche, Kimberly FLNR:EX](#); [Robinson, Gordon FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Trotter, Ward FLNR:EX](#); [Boyce, Melanie FLNR:EX](#); [Ethier, Tom FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Llewellyn-Thomas, Marnie ENV:EX](#)  
**Subject:** ELUC Climate Change material  
**Date:** February 18, 2016 4:26:35 PM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
[ELUC Speaking notes MM13 Mar 03.docx](#)

---

Kim/Gordon,

Attached you will find the speaking notes and powerpoint presentation for ELUC Climate Change  
Can you please ensure that once Tim Sheldan has reviewed that the material is forwarded to the  
Environment Deputy Minister's Office.

The material has been reviewed by ADM Kaaren Lewis, but unfortunately no FLNR ADMs due to time  
restraints.

**Brenda Larkin**

Executive Administrative Assistant  
Resource Stewardship Division  
Ministry of Forests, Lands and Natural Resource Operations  
780 Blanshard Street, Victoria  
Ph: 250 356-0972

Page 045 to/à Page 061

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
**Date:** February 18, 2016 5:12:57 PM

---

I took it as more of a summary statement for all 3 tables – e.g. a reminder that yellow means we may not be resourced to deliver these, but these are key strategies to really advance our efforts to reduce impacts...

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 4:04 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
Great. Thanks.

I went through the SN and confirmed.

I don't actually understand the last bullet under Slide 10...I'm wondering if it was a residual bullet from when Dennis split apart the table into 3 different slides.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Thursday, February 18, 2016 3:55 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
Great  
Got it – that's how I dealt with them.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 3:33 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
Sorry I should clarify.

My changes to the slides in the deck have been made.

My comments below relate to the speaking notes for slides 4, 5 and 10 (not the slides themselves)

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Thursday, February 18, 2016 3:31 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck  
If your changes were already capture to slides 4 and 5 then we are good.

I have incorporated your comments on SNs already...and make several others.

I have also split the presentation between ENV and FLNR...allowing ENV to speak to water strategies and the slides 6 and 7...

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 18, 2016 3:24 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck

I sent my edits for slides 4 and 5 to Dennis/Ward/James with Dennis holding the pen. And Dennis has circulated up to Brenda and across to you and Marnie.

Comments for slide 10 are brand new and I wanted to discuss those with you before folding them into the main document.

(And I'm glad you have someone working on the look and feel of the slides.)

I'm on the CE call until 4:00pm. We can talk after that if you have time.

Regards,

D.

---

**From:** Lewis, Kaaren ENV:EX

**Sent:** Thursday, February 18, 2016 3:11 PM

**To:** Tesch, David ENV:EX

**Cc:** Llewellyn-Thomas, Marnie ENV:EX

**Subject:** RE: Some edits to the speaking notes for the MML13/5 Slide Deck

Thanks dave

Who did you send slide deck edits too? If you send to me I will just make them as part of my adm review...I am also having someone in our SPB clean up the slides to look cleaner.

K

---

**From:** Tesch, David ENV:EX

**Sent:** Thursday, February 18, 2016 3:09 PM

**To:** Lewis, Kaaren ENV:EX

**Cc:** Llewellyn-Thomas, Marnie ENV:EX

**Subject:** Some edits to the speaking notes for the MML13/5 Slide Deck

Hi Kaaren,

s.12,s.13

Regards,

D.

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Fwd: Climate Change Impacts - ELUC  
**Date:** February 19, 2016 7:51:14 PM  
**Attachments:** Climate Impacts RFD.pdf  
ATT00001.htm

---

FYI

If you get latest SNs please flip to me. Thanks

Sent from my iPhone

Begin forwarded message:

**From:** "Rosche, Kimberly FLNR:EX" <[Kimberly.Rosche@gov.bc.ca](mailto:Kimberly.Rosche@gov.bc.ca)>  
**To:** "Barillaro, Scott W ENV:EX" <[Scott.Barillaro@gov.bc.ca](mailto:Scott.Barillaro@gov.bc.ca)>  
**Cc:** "Rousselle, Jillian FLNR:EX" <[Jillian.Rousselle@gov.bc.ca](mailto:Jillian.Rousselle@gov.bc.ca)>, "Lewis, Kaaren ENV:EX" <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)>, "Crozier, Bev ENV:EX" <[Bev.Crozier@gov.bc.ca](mailto:Bev.Crozier@gov.bc.ca)>  
**Subject:** Climate Change Impacts - ELUC

Hi Scott,

Attached is the entire climate change impacts submission. Please let me know if you would like the powerpoint as a separate file. Tim has reviewed this and I have forwarded the package to our MO as materials for the briefing at 930am on Monday. I know that Kaaren had a chance to review the powerpoint and Tim did not make any changes.

Please let me know if you require anything else.

Thanks,

Kim

**Kimberly Rosche** | Issues and Administrative Coordinator | Deputy Minister's Office |  
Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.1526 |

[Kimberly.Rosche@gov.bc.ca](mailto:Kimberly.Rosche@gov.bc.ca)

Page 065 to/à Page 102

Withheld pursuant to/removed as

s.12;s.13



**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: MML 13/5 Speaking Notes  
**Date:** February 21, 2016 3:44:52 PM

---

Ok thx

Sent from my iPhone

On Feb 21, 2016, at 3:42 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Fyi

Regards,  
D.

Begin forwarded message:

**From:** "Trotter, Ward FLNR:EX" <[Ward.Trotter@gov.bc.ca](mailto:Ward.Trotter@gov.bc.ca)>  
**Date:** February 21, 2016 at 3:29:23 PM PST  
**To:** "Tesch, David ENV:EX" <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)>  
**Subject:** Re: MML 13/5 Speaking Notes

No changes from Tom that I am aware of.

Sent from my BlackBerry 10 smartphone on the TELUS network.

Original Message

From: Tesch, David ENV:EX  
Sent: Sunday, February 21, 2016 2:16 PM  
To: Trotter, Ward FLNR:EX  
Subject: MML 13/5 Speaking Notes

Hi Ward,

I understand Tom had a chance to look at the speaking notes on Friday. Did he make and changes and if so could you pass them along please.

Happy Sunday!

Regards,  
D.



**From:** Sandland, James FLNR:EX  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: New Request Language.  
**Date:** February 22, 2016 12:10:15 PM

---

Thanks Dave, looks good. Might make a tiny tweak here or there but think this captures it very well.  
JS

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 12:07 PM  
**To:** Sandland, James FLNR:EX; Trotter, Ward FLNR:EX  
**Subject:** New Request Language.

Hey guys,

Here is a first cut of the new request language asked for by MST and MMP. Edit/comment as you like.

s.12,s.13

**From:** Sandland, James FLNR:EX  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Date:** February 22, 2016 1:23:32 PM  
**Attachments:** ELUC Request for Decision MM13\_05 (Mar 3 - FINAL).docx  
ELUC Summary Sheet MM13\_05 (Mar 3 - FINAL).docx  
**Importance:** High

---

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub  
Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*Nature and commerce*

Page 107 to/à Page 134

Withheld pursuant to/removed as

s.12;s.13

**From:** Trotter, Ward FLNR:EX  
**To:** Sandland, James FLNR:EX; Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Date:** February 22, 2016 1:27:36 PM

---

Thanks folks this looks ok to me as well.

ward

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub  
Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*Nature and commerce*

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Lewis, Kaaren ENV:EX](#)  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Date:** February 22, 2016 10:19:46 PM

---

I want to look at this again against my notes – not sure this will meet MMP's concern – its better but not quite there. I will review first thing in am as I don't have my notes with me at home right now. Also – FLNR should know that I need to approve the wording as well as Tom given my signature is on this sub???

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 3:40 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

Here are the edited documents that have come through James' shop.

The rewording I proposed for the request is:  
s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub  
Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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**From:** [Sandland, James FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Larkin, Brenda FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Llewellyn-Thomas, Mamie ENV:EX](#)  
**Subject:** Re: MML 13/5 Cab Sub  
**Date:** February 23, 2016 7:55:40 AM

---

Have a look at the proposed minute, that's where changes should be. They are reflective of the request in the sub and your proposed wording, just pared down to be bit more concise. Let me know if you think more is needed

*James Sandland*  
Director, Competitiveness & Innovation Branch

On Feb 23, 2016, at 6:26 AM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Brenda,

Kaaren had a look at the re-wording of the request in the cab sub and doesn't think it meets what Minister Polak was looking for. Kaaren will check her notes from the meeting and will have an update this morning.

I've copied Ward and James so they are in the loop.

Regards,  
D.

**From:** Lewis, Kaaren ENV:EX  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Date:** February 23, 2016 8:43:24 AM  
**Attachments:** ELUC Request for Decision MM13\_05 (Mar 3 - FINAL).docx  
ELUC Summary Sheet MM13\_05 (Mar 3 - FINAL).docx  
**Importance:** High

---

My suggested revisions in track changes on the summary sheet – the main sub looks good.

Thanks

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 3:40 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

Here are the edited documents that have come through James' shop.

The rewording I proposed for the request is:

s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub  
Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package



(sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

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Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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Page 141 to/à Page 168

Withheld pursuant to/removed as

s.12;s.13

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Larkin, Brenda FLNR:EX](#); [Di Georgio, Alexis FLNR:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Ethier, Tom FLNR:EX](#)  
**Subject:** Fw: Request: Last version of MM#13 cab-sub  
**Date:** February 23, 2016 9:23:47 AM  
**Attachments:** ELUC Request for Decision MM13 05 (Mar 3 - FINAL).docx  
ELUC Summary Sheet MM13 05 (Mar 3 - FINAL).docx  
**Importance:** High

---

Alexis - Brenda.

See below. Kaaren had changes. They look good to me. Can you move them forward as per her request. Thanks. Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Tuesday, February 23, 2016 8:43 AM  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub

---

My suggested revisions in track changes on the summary sheet – the main sub looks good.

Thanks

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 3:40 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

Here are the edited documents that have come through James' shop.

The rewording I proposed for the request is:

s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to

ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX

**Sent:** Monday, February 22, 2016 1:09 PM

**To:** Sandland, James FLNR:EX

**Cc:** Paradine, Dennis FLNR:EX

**Subject:** RE: Request: Last version of MM#13 cab-sub

James, this is the full package.

---

**From:** Sandland, James FLNR:EX

**Sent:** Monday, February 22, 2016 12:08 PM

**To:** Larkin, Brenda FLNR:EX

**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX

**Subject:** Request: Last version of MM#13 cab-sub

Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

**James Sandland**

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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Page 171 to/à Page 198

Withheld pursuant to/removed as

s.12;s.13

**From:** Paradine, Dennis FLNR:EX  
**To:** Fletcher, Christine E FLNR:EX; Kriwoken, Lynn ENV:EX; Davidson, Glen W FLNR:EX; Meier, Ian R FLNR:EX; Osbourne, Kelly FLNR:EX; Hopkins, Kathy L FLNR:EX; Cameron, Valerie Z FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX; White, Thomas ENV:EX  
**Subject:** MATERIALS FOR ELUC: MM13/05  
**Date:** February 23, 2016 2:08:27 PM  
**Attachments:** CC - Mandate 13 and 5 (Actions and timelines).docx  
ELUC Request for Decision MM13\_05 (Mar 3 - FINAL).docx  
ELUC Summary Sheet MM13\_05 (Mar 3 - FINAL).docx  
ELUC Speaking notes MM13\_05 (Mar 3).docx  
ELUC Presentation MM13\_05 (Mar 3).pptx  
**Importance:** High

---

Hi All,

In preparation for the MM13/05 package (attached – already submitted) going in front of ELUC next week, James has asked me to have a tracking document populated for the various mandate 13 recommendations and current actions noted in the submission. The tracking document will be in our back pocket in case cabinet asks specific questions.

Please find attached the draft document (CC-Mandate 13 and 3..) – please return it with your pieces filled in / the current information corrected if necessary to Kathy Hopkins by 11:00 Friday, then she'll be able to turn it around prior to cabinet.

Thanks,

Dennis

(I'll be out of office from Thursday noon, returning next Thursday)



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*

Page 200 to/à Page 247

Withheld pursuant to/removed as

s.12;s.13

**From:** Larkin, Brenda FLNR:EX  
**To:** Tesch, David ENV:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Cc:** Trotter, Ward FLNR:EX; Rosche, Kimberly FLNR:EX  
**Subject:** FW: MML 13/5 Cab Sub  
**Date:** February 23, 2016 2:33:44 PM  
**Attachments:** RE Request Last version of MM#13 cab-sub.msg

---

Hi David, I'm just following up from your message of this morning. I have just been informed that both Ministers signed the documents that were sent to me yesterday (Attached)

I have been in a meeting all day and only been monitoring email when I can. I haven't received any updated documents.

If Ministers signed are the changes necessary.

Can you please include Kim in your answer as I am going back to the meeting.

Brenda

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

From: Tesch, David ENV:EX  
Sent: Tuesday, February 23, 2016 6:26 AM  
To: Larkin, Brenda FLNR:EX  
Cc: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX  
Subject: MML 13/5 Cab Sub

Hi Brenda,

Kaaren had a look at the re-wording of the request in the cab sub and doesn't think it meets what Minister Polak was looking for. Kaaren will check her notes from the meeting and will have an update this morning.

I've copied Ward and James so they are in the loop.

Regards,  
D.



**From:** Sandland, James FLNR:EX []  
**To:** Larkin, Brenda FLNR:EX [Brenda.Larkin@gov.bc.ca]  
**CC:** Paradine, Dennis FLNR:EX [Dennis.Paradine@gov.bc.ca]; Tesch, David ENV:EX [David.Tesch@gov.bc.ca]; Trotter, Ward FLNR:EX [Ward.Trotter@gov.bc.ca]  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Date:** Monday, February 22, 2016 13:23:30  
**Attachment 1:** ELUC Request for Decision MM13\_05 (Mar 3 - FINAL).docx  
**Attachment 2:** ELUC Summary Sheet MM13\_05 (Mar 3 - FINAL).docx

---

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub

James, this is the full package.

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub

Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

**James Sandland**

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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Page 251 to/à Page 278

Withheld pursuant to/removed as

s.12;s.13

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Larkin, Brenda FLNR:EX](#); [Llewellyn-Thomas, Marnie ENV:EX](#); [Rosche, Kimberly FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#)  
**Subject:** RE: MML 13/5 Cab Sub  
**Date:** February 23, 2016 3:46:07 PM

---

I have confirmed that both ministers have signed the documents that went up yesterday. My suggestion or recommendation is that since they were signed off we leave them as is. Dave can you let Kaaren.

ward

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

From: Tesch, David ENV:EX  
Sent: Tuesday, February 23, 2016 3:38 PM  
To: Larkin, Brenda FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX; Rosche, Kimberly FLNR:EX  
Cc: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX  
Subject: RE: MML 13/5 Cab Sub

Hi Brenda (and Kim),

Kaaren had changes that were forwarded to you via Ward at approximately 9:30 this morning. I've attached the email from Ward that had the edits. The changes were only in the summary document. Kaaren approved the main cab sub as it was submitted to you by James.

Regards,  
D.

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

From: Larkin, Brenda FLNR:EX  
Sent: Tuesday, February 23, 2016 2:34 PM  
To: Tesch, David ENV:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX  
Cc: Trotter, Ward FLNR:EX; Rosche, Kimberly FLNR:EX  
Subject: FW: MML 13/5 Cab Sub

Hi David, I'm just following up from your message of this morning. I have just been informed that both Ministers signed the documents that were sent to me yesterday (Attached)

I have been in a meeting all day and only been monitoring email when I can. I haven't received any updated documents.

If Ministers signed are the changes necessary.

Can you please include Kim in your answer as I am going back to the meeting.

Brenda

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

From: Tesch, David ENV:EX  
Sent: Tuesday, February 23, 2016 6:26 AM  
To: Larkin, Brenda FLNR:EX  
Cc: Trotter, Ward FLNR:EX; Sandland, James FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX  
Subject: MML 13/5 Cab Sub

Hi Brenda,

Kaaren had a look at the re-wording of the request in the cab sub and doesn't think it meets what Minister Polak was looking for. Kaaren will check her notes from the meeting and will have an update this morning.

I've copied Ward and James so they are in the loop.

Regards,  
D.

**From:** [Trotter, Ward FLNR:EX](#)  
**To:** [Easton, Joan E AGRI:EX](#)  
**Cc:** [Tesch, David ENV:EX](#)  
**Subject:** MM#13 and #5 documents  
**Date:** February 24, 2016 8:14:02 AM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
[MM13 MM05 Cabinet Request for Decision Feb 16.docx](#)  
[ELUC Speaking notes MM13 Mar 03.docx](#)

---

Joan

Here is the final documents that FLNR/ENV put forward for March 3 ELUC on this topic. Can you brief your ADM, and DM, or let them know we are communicating with each other on the CC file. We are available to provide a briefing in advance of March 3 if you feel that would be helpful.

ward

Page 282 to/à Page 323

Withheld pursuant to/removed as

s.12;s.13

**From:** Easton, Joan E AGRI:EX  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents  
**Date:** February 24, 2016 9:12:58 AM  
**Attachments:** ML 2015 - Cab PP draft - Feb 24 2016.pptx

---

Hi Ward

Am happy to do so and also appreciate the offer of an advance briefing. Let me talk with Arif/DM's office and get back.

DM let us know yesterday that your deck and ours will be back-to-back at ELUC (good news I think). We briefed our Minister yesterday and were clear that FLNR/ENV and AGRI are collaborating. I also committed to ensuring the decks were aligned.

s.12,s.13

Regards

Joan

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, February 24, 2016 8:14 AM  
**To:** Easton, Joan E AGRI:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** MM#13 and #5 documents

Joan

Here is the final documents that FLNR/ENV put forward for March 3 ELUC on this topic. Can you brief your ADM, and DM, or let them know we are communicating with each other on the CC file. We are available to provide a briefing in advance of March 3 if you feel that would be helpful.

ward



**From:** Tesch, David ENV:EX  
**To:** White, Thomas ENV:EX  
**Subject:** FW: MM#13 and #5 documents  
**Date:** February 24, 2016 10:42:00 AM  
**Attachments:** ML 2015 - Cab PP draft - Feb 24 2016.pptx

---

Here is the AGRI material if you don't have a copy.

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Wednesday, February 24, 2016 9:13 AM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents

Hi Ward

Am happy to do so and also appreciate the offer of an advance briefing. Let me talk with Arif/DM's office and get back.

DM let us know yesterday that your deck and ours will be back-to-back at ELUC (good news I think). We briefed our Minister yesterday and were clear that FLNR/ENV and AGRI are collaborating. I also committed to ensuring the decks were aligned.

s.13

Regards

Joan

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, February 24, 2016 8:14 AM  
**To:** Easton, Joan E AGRI:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** MM#13 and #5 documents

Joan

Here is the final documents that FLNR/ENV put forward for March 3 ELUC on this topic. Can you brief your ADM, and DM, or let them know we are communicating with each other on the CC file. We are available to provide a briefing in advance of March 3 if you feel that would be helpful.

ward

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Llewellyn-Thomas, Marnie ENV:EX](#)  
**Subject:** Re: Request: Last version of MM#13 cab-sub  
**Date:** February 24, 2016 1:26:08 PM

---

Yes please. I never approved the package and my name is on it. Please work with Marnie and Scott. Thx

Sent from my iPhone

On Feb 24, 2016, at 10:34 AM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Kaaren,

It looks like your edits on the **summary page** didn't get incorporated into the versions signed off by the Ministers. I talked to Ward about it and he said that if we wanted to pull it back and get the edits incorporated, that would be our responsibility to do. I know it is sometimes hard to see track changes in word documents, so I've included a PDF version of your edits that might be easier for you to see on your phone as a reminder on what your edits were.

Do you want Marnie and I to work with the DMO to pull back the **summary page** and get the reworded one sent up?

Regards,

D.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Tuesday, February 23, 2016 8:43 AM  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

My suggested revisions in track changes on the summary sheet – the main sub looks good.

Thanks

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 3:40 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

Here are the edited documents that have come through James' shop.

The rewording I proposed for the request is:

s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub  
Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet. Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

**James Sandland**

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*Nature and commerce*

**From:** Easton, Joan E AGRI:EX  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and #5 documents/ AGRI deck  
**Date:** February 25, 2016 12:58:17 PM

---

David – really appreciate this. I work with what you have sent and send a fresh deck out.  
Good luck with estimates and thank you for getting back.

Joan

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 25, 2016 12:30 PM  
**To:** Easton, Joan E AGRI:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and #5 documents/ AGRI deck

Hi Joan,

So the FLNRO/ENV slide deck has slide 3 that highlights the links to your work (I've copied them to you below)

s.12,s.13

I have not had the opportunity to discuss these with Ward or James, so please consider these very draft and only my opinion of what this slide might look like. They might want to see specific reference to some items, but I can't comment further on that.

ENV is in estimates this afternoon and I am also in another meeting, so I'll be on email but may not be able to respond immediately to questions.

Regards,

D.

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Thursday, February 25, 2016 12:01 PM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents/ AGRI deck

Hi Ward and David

Just checking in re: the bullets for the Links to FLNR/ENV submission – do you have what you would like to see incorporated?

Regards

Joan

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Wednesday, February 24, 2016 9:13 AM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents

Hi Ward

Am happy to do so and also appreciate the offer of an advance briefing. Let me talk with Arif/DM's office and get back.

DM let us know yesterday that your deck and ours will be back-to-back at ELUC (good news I think). We briefed our Minister yesterday and were clear that FLNR/ENV and AGRI are collaborating. I also committed to ensuring the decks were aligned.

s.12,s.13

Regards

Joan

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Wednesday, February 24, 2016 8:14 AM  
**To:** Easton, Joan E AGRI:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** MM#13 and #5 documents

Joan

Here is the final documents that FLNR/ENV put forward for March 3 ELUC on this topic. Can you brief your ADM, and DM, or let them know we are communicating with each other on the CC file. We are available to provide a briefing in advance of March 3 if you feel that would be helpful.

ward

**From:** [Sandland, James FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [McLachlan, Ian P AGRI:EX](#); [White, Thomas ENV:EX](#); [Romero, Jenny AGRI:EX](#); [Easton, Joan F AGRI:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Trotter, Ward FLNR:EX](#)  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Date:** February 26, 2016 12:07:06 PM  
**Attachments:** [2016 Climate Change Processes & Agency Collaboration.pptx](#)

---

Hi All,

As per our call earlier this week, drafted up a quick piece/ deck to describe at a high level the three main tranches of work on CC. Intent is to be pretty concise and not delve into the detail, but under this kind of framework I think it's much easier to communicate to our respective Executives what's-up with the 'ole CC file these days. Each of you can easily speak to the 'ministry programs' and fill in specifics on those as well as existing networks with say the feds.

Hope this helps. Feel free to tweak edit as you see fit, but I'd suggest we try to keep things to the point/ high level and not delve into details (can speak to details in conversation I think)

Cheers,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

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*Nature and commerce*

Page 331 to/à Page 336

Withheld pursuant to/removed as

s.12;s.13

**From:** Easton, Joan E AGRI:EX  
**To:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents/ AGRI deck  
**Date:** February 29, 2016 5:47:24 PM  
**Attachments:** ML 2015 - Cab PP draft - Feb 28 2016.pptx

---

Hi Ward and David

Please find attached the revised deck. Really appreciate the input.

There is a new linkages slide, the linkages section is earlier in the presentation and the requested minute has been edited to more closely align with FLNR and ENV. Most of the other changes involve the speaking notes and address our minister's requests.

Regards

Joan

---

**From:** Trotter, Ward FLNR:EX  
**Sent:** Thursday, February 25, 2016 1:02 PM  
**To:** Tesch, David ENV:EX; Easton, Joan E AGRI:EX  
**Subject:** Re: MM#13 and #5 documents/ AGRI deck

Dave

Thanks Dave. This looks really good. Joan let me know if you have questions etc

Ward

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Tesch, David ENV:EX  
**Sent:** Thursday, February 25, 2016 12:29 PM  
**To:** Easton, Joan E AGRI:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: MM#13 and #5 documents/ AGRI deck

Hi Joan,

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s.12,s.13



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D.

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**Cc:** Tesch, David ENV:EX  
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Regards

Joan

---

**From:** Easton, Joan E AGRI:EX  
**Sent:** Wednesday, February 24, 2016 9:13 AM  
**To:** Trotter, Ward FLNR:EX  
**Cc:** Tesch, David ENV:EX  
**Subject:** RE: MM#13 and #5 documents

Hi Ward

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s.12,s.13

Regards

Joan

---

**From:** Trotter, Ward FLNR:EX

**Sent:** Wednesday, February 24, 2016 8:14 AM

**To:** Easton, Joan E AGRI:EX

**Cc:** Tesch, David ENV:EX

**Subject:** MM#13 and #5 documents

Joan

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ward

**From:** [Boyle, Naomi FLNR:EX](#)  
**To:** [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#); [McLachlan, Ian P AGRI:EX](#); [White, Thomas ENV:EX](#); [Romero, Jenny AGRI:EX](#); [Easton, Joan E AGRI:EX](#)  
**Subject:** Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Attachments:** [FLNR CLT recs policy matrix - 26 Jan2016 \(16 and 17\).xlsx](#)  
[FLNR-BN-for-Information - CLT 17 Fibre utilization.docx](#)  
[FLNR-BN-for-Information - CLT Rec 16 - forest policy and protected areas - Jan 26, 2016.docx](#)

---

Apologies, but being pulled in to local government consultations on CLP so this time slot conflicts now. Hope 2pm works for most. Thanks, JS

In light of distance and time please note this will be a conference call meeting.

Dial-in Phone Numbers:  
1-877-353-9184 Toll Free - North America  
604-681-0260 Vancouver local  
Participant Conference ID: 6 15 #

James Sandland will be Moderator

Hi All,

Thanks for the time today, short but productive call. Few items attached as per our discussion:

\* CLT Recommendations table – with FLNR input for #16 and #17

\* Companion Info notes on #16 and #17

Will set up a follow-up call for couple weeks' time and share FLNR Mandate #13 submission and AGRI deck when ready.

Cheers,  
James

James Sandland  
Director, Competitiveness & Innovation Branch  
Office: 250-953-3988  
Mobile: 250-812-0473

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Assessment of Climate Leadership Team Recommendations

CLT recommendations put forward a range of types of actions acting BC-wide and/or in a range of sectors. Some act directly on emissions/climate risk, and some would lay the groundwork or establish the process needed to do climate action effectively. Potential criteria for evaluation include: expected GHG reductions achieved, expected reduction in climate related risk, efficiency of GHG reductions (\$/t), cost to government, cost to other actors (and whether this cost is borne broadly or narrowly), feasibility (technical, practical, fiscal), stakeholder support, dependence on other jurisdictions, ease and speed of implementation (quick wins), and interaction with carbon pricing (complementary or redundant).

#	Recommendation	Sector	Lead Ministry	Key Collaborating Ministries	Implementation Plan
GHG Reduction Targets					
1	Reaffirm BC's legislated 2050 target of achieving a reduction in GHG emissions of 80 % below 2007 levels	Economy wide	ENV	ENV	
2	Establish a legislated 2030 target of 40 % GHG reduction below 2007 levels	Economy wide	ENV	ENV	
3	Establish the sectoral GHG reduction goals (below 2015) for 2030	Economy wide	ENV	All	
	a) 30 per cent for the transportation sector totalling 6.3 MT of CO2;				
	b) 30 per cent for the industrial sector totalling 8.4 MT of CO2; and				
	c) 50 per cent for the built environment totalling 3.4 MT of CO2.				
Fiscal Policy / Carbon Tax					
4	Lower PST from 7 per cent to 6 per cent, supported by incremental carbon tax	Economy wide	FIN	FIN	
5	Increase the carbon tax by \$10/yr commencing in July 2018 and, also supported by incremental carbon tax revenue, concurrently:	Economy wide	FIN	for EITE sectors- MNGD, MEM, FLNR, JTST, ENV	
	a) Maintain those current tax reductions achieved through the existing carbon tax that are broad based, provide support to vulnerable populations, or promote GHG reductions.				
	b) Adjust the current low income and rural and northern tax credits to ensure the most vulnerable individuals and families are not adversely impacted.				
	c) Establish targeted and transparent mechanisms for emission-intensive, trade-exposed sectors that mitigate the competitiveness issues created for those sectors if B.C.'s carbon pricing is materially greater than jurisdictions with which they compete, provided that such mechanisms are structured in a manner that does not adversely impact the price signal to reduce emissions. These adjustments should remain in place until such time that carbon pricing and regulatory policy equivalency with other jurisdictions is achieved.				
6	Expand coverage of the current carbon tax to apply to all greenhouse gas emission sources in B.C. after five years, starting with measurable GHG emissions covered by the current reporting regulation.	Economy wide	FIN	MNGD, MEM, JTST, ENV	
7	Use other incremental carbon tax revenues to:	Economy wide	FIN	MEM, MTICS, MCSCD, BCH, JTST, ENV	
	a) eliminate PST on all electricity rates;				
	b) establish mechanisms to facilitate investments in technology and innovation that reduces GHG emissions; and				
	c) establish mechanisms to provide local governments with funding for projects that will result in demonstrable reductions in GHG emissions.				
8	The scheduled annual increases in the carbon tax and the competitiveness adjustments for emission-intensive, trade-exposed sectors should be reviewed by the Province, with the support of a Climate Leadership Team, every five years, or more often where warranted, taking into consideration GHG reductions, economic competitiveness, carbon pricing and regulatory policy in other jurisdictions, and impacts on vulnerable	Economy wide	FIN	MNGD, MEM, FLNR, JTST, ENV	
9	Include fiscal policies in CLT recommendations in the 2016 budget where applicable	Economy wide	FIN	FIN	

Industrial Policy					
10	Create a task force with appropriate expertise (e.g. economics, global markets, clean innovation, environment-economy policy) to research BC's competitive advantages and potential growth areas in a low-carbon economy, both within and across sectors, and to develop recommendations on stimulating these areas.	Economy wide	JTST	JTST, MTICS, MIT, ENV	
Environmental Assessment					
11	Amend the Environmental Assessment Act to include the social cost of carbon in the Environmental Assessment process and ensure consistency with the climate action plan and carbon pricing signals.	Industry	ENV/EAO	All	
Electricity/ BC Hydro					
12	Amend the Clean Energy Act to increase the target for clean energy on the integrated grid from 93 per cent to 100 per cent by 2025 (except where fossil fuel capacity is required for back-up or reliability).	Electricity	MEM	BCH	
13	Establish a strategy (including funding) to phase out, by 2025, diesel generation in remote communities and replace it with reliable, low-GHG electricity service	Electricity	MEM	FIN, BCH	
14	Instruct BC Hydro to develop a strategy (generation and transmission) to supply in a competitive, timely manner the clean electricity required to facilitate electrification of upstream natural gas, LNG, and associated infrastructure. Amongst other things, the strategy should enable BC Hydro to commit to supplying new industrial projects with clean electricity by project start up, if necessary through the use of temporary natural gas generation until transmission infrastructure is available.	Electricity	MEM	MEM	
Natural Gas/ LNG					
15	Reduce fugitive and vented methane emissions by: a) Establishing a goal of 40 % reduction for fugitive and vented methane within five years b) Requiring industry to implement leak detection and repair (LDAR) programs in line with best practices in North America	Oil and Gas	MNGD	OGC, ENV	
	c) Developing best practices for methane reduction, including transparent reporting, through a collaborative initiative involving the provincial government, industry, and other stakeholders with expertise in this area (in a manner similar to Colorado and Pennsylvania) and seek alignment with Canada and other provincial jurisdictions in this regard.				
	d) Providing that at the time of the first five year review of the Climate Leadership Plan, a new reduction goal for fugitive and vented methane emissions should be established and a determination made whether future reductions in fugitive and venting methane emissions are best achieved through an expanding the coverage of the carbon tax to such emissions as provided for in recommendation 6 (the default), a continuation on a voluntary basis of the best practices developed above for methane reduction (provided the industry has reached the 40 per cent methane reduction goal within five years), or such best practices developed for methane being mandated by regulation at that time (with such regulations to be reviewed every five years thereafter)				
Forestry					

16	Update current forest and agriculture policy, regulation and protected areas strategies to account for climate change impacts	Forestry	FLNR	ENV	<p>FLNR has been actively working to address impacts from climate change (adaptation) on forests and natural resources as well as promoting actions to mitigate emissions within the natural resources sector (NRS) for a number of years. Key among these is the Ministry's Climate Change Strategy and the requirement for all regions and program areas to complete climate action plans (CAPs) across the ministry. The CAPs ensure alignment between strategic directions, provincial NRS policy and operational realities of the NRS.</p> <p>Current FLNR activities that align with <b>forest policy development</b>:</p> <ul style="list-style-type: none"><li>• FLNR recently adopted our Climate Change Strategy 2015-2020. This includes the goals:<ul style="list-style-type: none"><li>o Manage climate change as a core part of FLNR's business.</li><li>o FLNR will increase the use of climate relevant science, data and knowledge to better understand the environmental, social and economic implications of climate change on core business.</li><li>o Climate change adaptation and mitigation are integrated into program areas, operations, resource management decisions, and actions.</li></ul></li><li>• Branches and regions within FLNR have been working on local Climate Action Plans that focus mainly on adaptation. There are 21 of 22 completed, some still pending approval.</li><li>• The FLNR is working with First Nations to incorporate forest carbon values into Land Use Agreements and to identify and reduce risks to natural resources upon which these communities rely.</li><li>• Development of policy and communications material to enable forest carbon offsets in B.C.</li><li>• Research into potential climate change impacts on tree productivity, water, carbon and other natural resource values, to assess management options and trade-offs.</li><li>• Research and development of policy and tools relating to:<ul style="list-style-type: none"><li>o management of forest carbon,</li><li>o Climate Based Seed Transfer,</li><li>o risks to species and populations of fish and wildlife,</li><li>o flooding and landslide risks, and</li><li>o tree species selection for replanting.</li></ul></li></ul> <p>Current FLNR activities that align with <b>protected areas strategies</b>:</p> <ul style="list-style-type: none"><li>• B.C.'s forests are managed within a sustainable forest management framework which seeks to balance multiple objectives including ecological, economic and social benefits.</li><li>• FLNR's Forest Carbon Strategy sets the strategic direction for the ministry. It supports a suite of forest carbon management options that reflect the diverse conditions across the province and diverse expectations and values British Columbians seek from their forests. No one approach is suitable for the entirety of the province.</li><li>• FLNR supports a holistic approach that relies on a number of strategies: enhanced fibre utilization (or carbon smart harvest), production of long-lived wood products, conservation where values line up with other ecosystem values such as culturally significant areas and/ or biodiversity values.</li><li>• Any strategy focusing on protected areas in isolation does not incorporate the necessary impacts on the resource such as pests, wildfire and shifting bio-geoclimatic zones – regions in the province suitable for some species now, will not necessarily be suitable for the same species going forward.</li><li>• Conservation of forests may be beneficial from a carbon perspective in coastal old-growth, however in areas at high risk of natural disturbance and second growth stands optimizing the utilization of fibre, particularly for long-</li></ul>
					<p>New FLNR recommendations that support continued forest policy development</p> <ul style="list-style-type: none"><li>• The Forest Enhancement Program is being developed to undertake salvage harvesting of dead timber, reduce wildfire risk, and to enhance reforestation efforts to create carbon sinks.</li><li>• Work with ENV to incorporate forest carbon and forest products in greenhouse gas inventory estimates and mitigation targets.</li><li>• A strategic assessment of management and policy options regarding forest and forest product carbon.</li><li>• Work with ENV and EAO to have Environmental Assessments include forest carbon as a value (per approach used for natural gas pipeline projects).</li><li>• Reviewing the potential for tracking forest carbon stocks as a natural capital asset.</li><li>• Ensure that lifecycle emissions do not increase when harvesting for bioenergy, particularly green tree harvesting.</li><li>• Embedding a climate change lens into monitoring of natural resources, the cumulative effects assessment framework for natural resources, and the Forest and Range Evaluation Program.</li><li>• Research and development of knowledge and tools relating to:<ul style="list-style-type: none"><li>o expanded risks from invasive species, and</li><li>o water supply and demand management</li></ul></li></ul>
17	Update current forest policy and regulation to increase utilization of forest residue for energy purposes and increase carbon sequestration	Forestry	FLNR	MEM	<p>Current FLNR activities that align with increasing utilization of forest residue:</p> <ul style="list-style-type: none"><li>• Adoption of the Forestry Fibre Action Plan, including:<ul style="list-style-type: none"><li>o Facilitating use of existing fibre and encouraging integrated harvesting</li><li>o Fibre use measurement</li><li>o Operational initiatives</li><li>o Increasing the value of the product stream</li><li>o Ongoing monitoring</li></ul></li><li>• Created tenure tools available to make residual fibre available to secondary users (Fibre Forestry Licence to Cut and Fibre Supply Licence to Cut).</li><li>• Co-funding and direction of research into biomass harvesting, bioenergy, and other forest products by Forest Products InnovationFPinnovations (with MTICS and industry).</li><li>• Research and development of guidance to assess the carbon footprint of various bioenergy installations, of supply of biomass and guidance to enable sustainable removal of residual fibre.</li></ul> <p>Current FLNR activities that align with increasing carbon sequestration in forest products</p> <ul style="list-style-type: none"><li>• FLNR's Forest Carbon Strategy sets the direction for increased sequestration and emission avoidance strategies..</li><li>• Development of a Carbon Calculator for Harvested Wood Products.</li><li>• Implementation of the Wood First Initiative and the Wood First Act.</li><li>• Ongoing support for Forestry Innovation Investment to promote the sustainability of B.C.'s forest products and develop new markets .</li><li>• Research into the mitigation effectiveness of shifting the product mix to increase the proportion of long-lived wood products from 1/3rd</li></ul>
					<p>New FLNR recommendations/ prospective activities:</p> <ul style="list-style-type: none"><li>• The Forest Enhancement Program is being developed to undertake salvage harvesting of dead timber, reduce wildfire risk, and to enhance reforestation efforts to create carbon sinks.</li><li>• Developing and funding commercialization programs with a focus on longer-lived wood products that store carbon or reduce greenhouse gas emissions for products.</li><li>• With OHCS, changing building codes to allow light industrial buildings to be built with wood, prepare code manuals, and create a demonstration project.</li><li>• Continuing or increasing co-funding of forest product innovation demonstration and pilot projects.</li><li>• Tracking carbon/ wood in the built environment as an asset.</li><li>• Developing capacity on Life Cycle Assessments (estimating carbon footprints) for B.C.'s wood products to increase premium wood product markets.</li><li>• Enabling Forest Stewardship Council (FSC) certification on Crown land to grow premium wood product markets.</li><li>• Increasing research and development funding to Forest Products Innovation (FPI), private companies, etc. for longer-lived wood products based on sawmill and harvest residues.</li><li>• Encouraging the adaptation, retrofitting or upgrade of existing heritage wood structures rather than replacing them.</li><li>• Ensuring that lifecycle emissions do not increase when harvesting for bioenergy, particularly green tree harvesting.</li></ul>
		Agriculture			
16	Update current forest and agriculture policy, regulation and protected areas strategies to account for climate change impacts	Agriculture	AGRI	AGRI, ENV	
18	Create a task force with appropriate expertise to review and update carbon management best practices for the agriculture sector	Agriculture	AGRI	AGRI	

Transportation (Vehicles)					
19	Develop a low-carbon transportation strategy for transitioning the sector to emit 30 less GHGs by 2030 by: a) Establishing the following Zero Emission Vehicle targets for the sale of new light duty vehicles: i) 10 per cent of sales by 2020; ii) 22.5 per cent of sales by 2025; and iii) 30 per cent of sales by 2030. b. Increasing the Low Carbon Fuel Standard to 20 per cent by 2030 c) Broadening the LCFS coverage to include all vehicle fuel use with the exception of aviation fuel d) Enhance incentives and infrastructure necessary to support both increased commercial transportation efficiency (size of vehicles) and natural gas/propane conversions in the commercial transport sector (including marine)  e) Establish revenue neutral PST for all vehicles based on grams of CO2 per km, similar to many European vehicle registration systems.	Transportation	MEM	MoTI, FIN, ENV	
Built Environment					
20	Establish by 2016, a buildings strategy that by 2030 reduces GHG emissions from the sector by 50 %. This includes : a) Commencing in 2016, require that all new public sector buildings increase the use of materials that sequester carbon, and have the capacity of meeting most of their annual energy needs by on-site renewable energy; b) Revisions to the building code that require new buildings to (i) increase use of materials that sequester carbon and (ii) have the capacity of meeting most of their annual energy needs by on-site renewable energy within 10 years; c) Programs (such as on-bill financing) that encourage retrofits that reduce GHG emissions and encourage energy efficiency in existing building stock d) Standards that transition the market to high-efficiency electric heating equipment, building components and appliances.	Buildings	OHCS	ENV, MTICS, MEM, JTST, FLNR	
Communities					
21	Undertake a collaborative review and update of the Climate Action Charter to align provincial and community goals	Communities	MCSCD	ENV	
Waste					
22	Create a waste-to-resource strategy that reduces GHG emissions associated with food waste, organic waste, and landfills	Communities	ENV	MEM, MCSCD	
Transportation (Transit)					
23	Support increased use of public transit and other mobility options	Transportation	MoTI	CSCD	
Adaptation					
24	Undertake the following actions regarding climate change adaptation and mitigation: a) Update by 2020 hazard maps for all climate related hazards.  b) Invest in sufficient monitoring systems, especially in the areas with monitoring information gaps, to ensure the change can be managed effectively. c) Develop a policy framework to guide the provincial government's management of the risks associated with a changing climate d) Increase communications to public [regarding potential risks to private property and what can be done to mitigate these risks, provide information to B.C. businesses to support long-term planning; publish hazard maps as available]	Adaptation	ENV	FLNR, AGRI, MoTI, EMBC, AII	
First Nations					
25	First Nations Adaptation a) Traditional knowledge should be used when appropriate and available as part of the hazard mapping information.  b) Allocate appropriate resources for research and modelling of the impacts of climate change on the inherent and treaty rights of indigenous people	First Nations	MARR	FLNR, ENV	
26	Work with First Nations communities and federal agencies to ensure transition to reliable, low GHG electricity service in communities currently dependent on diesel generation.	First Nations	MARR	MEM, BCH	
27	Ensure the First Nations clean energy business fund effectively enables new business opportunities.	First Nations	MARR	MEM	

Offsets					
28	Undertake a review of the current offset policy to determine if changes are required to support the new Climate Leadership Plan.	Economy wide	ENV	FLNR, MARR	
Intergovernmental Relations					
29	If the majority of Canadian provinces opt for carbon pricing via emissions trading to cover greenhouse gases from large final emitters, a review should be undertaken of mechanisms to integrate a carbon tax with a cap and trade framework for the B.C. context.	Economy wide	FIN	ENV	
30	British Columbia should work closely with the federal government and the other provinces, as well as with the other jurisdictions in North America to achieve parity with B.C.'s Climate Action policies	Economy wide	ENV	IGRS	
31	British Columbia should take leadership in seeking alignment with Canada and other provincial jurisdictions regarding best practices for methane reduction from the oil and gas sector, including transparent reporting and carbon pricing and regulatory policies.	Oil and Gas	MNGD	ENV, OGC, IGRS	
Periodic Review					
32	Government should undertake a review of its Climate Leadership Plan and policies at least every five years supported by a Climate Leadership Team	Economy wide	ENV	All	Priorty for forest sector - analysis and reccommendations coming



**From:** [Easton, Joan E AGRI:EX](#)  
**To:** [Boyle, Naomi FLNR:EX](#); [Sandland, James FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#); [White, Thomas ENV:EX](#)  
**Cc:** [Romero, Jenny AGRI:EX](#); [McLachlan, Ian P AGRI:EX](#)  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Date:** March 9, 2016 2:17:51 PM  
**Attachments:** [ML 2015 - FLUC Climate Change - March 10 2016 with speaking notes.pptx](#)

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**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: ELUC Climate Change Presentation  
**Date:** March 9, 2016 3:24:47 PM

---

Jim and/or DMO (e.g. Scott through MMP's chief of staff martina)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, March 9, 2016 2:47 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** RE: ELUC Climate Change Presentation

Will we need to touch base with the MO staff before ELUC to make sure MMP has all she needs? Is that what Jim will do?

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Wednesday, March 9, 2016 2:30 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: ELUC Climate Change Presentation  
The presentation will be done by the 2 ministers.

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, March 9, 2016 2:22 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** ELUC Climate Change Presentation

FYI,

So with Diane becoming ADM, she has taken on the Climate file. So she will be doing the presentation at ELUC (not Tom) and Ward is no longer involved with this file.

Regards,

D.

**From:** [Sandland, James FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#)  
**Subject:** Follow-up: Speaking points for ELUC mandate #13  
**Date:** March 10, 2016 4:49:03 PM  
**Attachments:** [MM13 speaking points, v2.docx](#)

---

Dave,

Attached are the last version of speaking points I have for the ELUC deck – mandate #5/#13.

Do you want to take a stab at revising for Ministers? At least the water pieces and maybe intro/outro... Perhaps we could connect on Monday briefly to go over, before firing on to our respective MO's.

Sound ok?

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

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Withheld pursuant to/removed as

s.12;s.13

**From:** Standen, Jim ENV:EX  
**To:** Barillaro, Scott W ENV:EX; Tesch, David ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX  
**Subject:** RE: Question: ELUC Climate Chg mtg on March 17th  
**Date:** March 11, 2016 8:30:31 AM

---

Just to close the loop, I have received from Bev the package for the meeting and it included the SNs as described. I will confirm with Bev that the MO is comfortable with them when I meet with Wes this morning at 9 to get his download before his holidays.

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Thursday, March 10, 2016 7:26 PM  
**To:** Tesch, David ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX; Standen, Jim ENV:EX  
**Subject:** Re: Question: ELUC Climate Chg mtg on March 17th

Thanks. We should have everything in our secure folder. I just didn't have time to look today given most of my time this week focussed on the OIPC investigation in to Hullcar. I will confirm everything tomorrow.

WSB

On Mar 10, 2016, at 7:23 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Thanks Kaaren! That's perfect.

I was pretty sure we finished these off but wanted to double check everything had gone up.

I'll let James know we are done from our end.

Have a great trip!

Regards,

D.

On Mar 10, 2016, at 7:17 PM, Lewis, Kaaren ENV:EX <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)> wrote:

Scott

Speaking notes were prepared and routes up through FLNR DMO several weeks ago in advance of the joint briefing of both MMP and MST. They seemed comfortable with the deck and the notes at the time and with the approach to share the presentation. The SNs indicate which slides each speaks to (MMP has the middle section (I think slides 6 and 7) and then speaks to the strategies under water given we own much of those.

Marnie sent my edits (I focussed my changes on the sections our minister was speaking to). My personal view is that the SNs could use work, but at the time we were pressed.

That said, our minister is so good that she is likely good without further changes.

If you are having trouble finding the SNs Marnie can help as she sent the latest version over to FLNR. Hope this helps.

Kaaren

Sent from my iPhone

On Mar 10, 2016, at 4:58 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Scott,

Maybe we can touch base on this tomorrow with respect to speaking notes for MMP. As I mentioned before, I thought we had finished these off and got the material in to the MO already.

Maybe we can check if the MO is happy with the material or would like anything else. I have time Friday and Monday to work on any additional material if it is required.

Regards,

D.

---

**From:** Tesch, David ENV:EX

**Sent:** Thursday, March 10, 2016 4:51 PM

**To:** Sandland, James FLNR:EX; Rousselle, Jillian FLNR:EX; Ethier, Jayne FLNR:EX

**Cc:** Nicholls, Diane R FLNR:EX; Di Georgio, Alexis FLNR:EX; Robinson, Gordon FLNR:EX; Barillaro, Scott W ENV:EX

**Subject:** RE: Question: ELUC Climate Chg mtg on March 17th

Thanks James.

I thought speaking notes were done and in, so I will check that with my DMO/MO.

Kaaren was still under the impression of a joint ministerial presentation following the approach you noted below, but I'll check that again with my DMO/MO.

It is my understanding that Kaaren and our DM will both be away on the 17<sup>th</sup>. Jim Standen will be there for DM Shoemaker and I will be there for Kaaren.

Regards,

D.

---

**From:** Sandland, James FLNR:EX

**Sent:** Thursday, March 10, 2016 4:25 PM

**To:** Rousselle, Jillian FLNR:EX; Ethier, Jayne FLNR:EX

**Cc:** Nicholls, Diane R FLNR:EX; Di Georgio, Alexis FLNR:EX; Tesch, David ENV:EX; Robinson, Gordon FLNR:EX; Barillaro, Scott W ENV:EX

**Subject:** RE: Question: ELUC Climate Chg mtg on March 17th

We drafted speaking notes jointly with Dave (ENV) so we'll work with those and re-jig if necessary. We'll send those by next Tuesday and when you send in, I'd just ask that you confirm its still the plan – MST speaking and leading off, handing off to MMP for Water, joint close.

If MST and/ or MO had forgotten we had already briefed him on this, I want to make sure we've closed this off before heading into ELUC so we are well prepared and sans 'egg-on-the-face'. Thanks

From FLNR it will be myself, Dianne and Dennis Paradine. Dave will confirm who will be attending from ENV

Thanks,

JS

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**From:** Rousselle, Jillian FLNR:EX

**Sent:** Thursday, March 10, 2016 4:18 PM

**To:** Sandland, James FLNR:EX; Ethier, Jayne FLNR:EX

**Cc:** Nicholls, Diane R FLNR:EX; Di Georgio, Alexis FLNR:EX; Tesch, David ENV:EX; Robinson, Gordon FLNR:EX; Barillaro, Scott W ENV:EX

**Subject:** RE: Question: ELUC Climate Chg mtg on March 17th

Hi,

There isn't any reason to assume that the strategy has changed at the Ministerial level. I'm assuming that the speaking notes you folks will be supplying (by Tuesday pls) for MST will cover his pieces and the ones ENV puts together for MMP will cover hers. It would be great if we could get a copy of MMP notes once approved and we can share MST's with ENV once they are approved.

Can you please confirm who will be attending from FLNR as I need to update Cab Ops.

Thank you.

Jillian

---

**From:** Sandland, James FLNR:EX

**Sent:** Wednesday, March 9, 2016 2:37 PM

**To:** Rousselle, Jillian FLNR:EX; Ethier, Jayne FLNR:EX

**Cc:** Nicholls, Diane R FLNR:EX; Di Georgio, Alexis FLNR:EX; Tesch, David ENV:EX

**Subject:** Question: ELUC Climate Chg mtg on March 17th

Hi Jayne, Jillian,

As we recently confirmed, there was no need for another pre-brief with MST on this ELUC submission. However, I just want to double check that the plan laid out by MST and Minister Polak on our Feb 22<sup>nd</sup> pre-brief was that Minister Thompson was going to deliver the presentation and Minister Polak would speak to the components on water in the slide deck. Can you please confirm that with the MO..?

Need to confirm this as there has been a shuffle in ADMs on our side to support this discussion and don't want to be scrambling last minute if anything has changed and either Minister is expecting someone else to deliver the presentation.

Our colleagues over in AGRI are confirming that Minister Letnick will be delivering their mandate letter piece on climate following the joint ENV-FLNR presentation.

Thanks very much,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

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Mobile: 250-812-0473

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**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Sandland, James FLNR:EX](#)  
**Cc:** [Trotter, Ward FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: Cancellation of March 17 ELUC  
**Date:** March 14, 2016 12:10:06 PM  
**Attachments:** [Follow-up Speaking points for ELUC mandate #13.msg](#)  
**Importance:** High

---

Will do. Attached is the last that I had. Ward/Dave do you have any more recent?

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, March 14, 2016 12:01 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** FW: Cancellation of March 17 ELUC

Do you have the last version of speaking notes we did for Tom and Caaren..? Can you dust those off, tweak if necessary and touch base with Dave Tesch to see if he had any tweaks as well...?

Will need to fire through by end of day. Thanks

JS

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 11:59 AM  
**To:** Nicholls, Diane R FLNR:EX; Sandland, James FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

Sorry if I wasn't clear. The division of who is speaking to what has been decided on but we don't have the notes themselves yet.

*Gordon Robinson* | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

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**From:** Nicholls, Diane R FLNR:EX  
**Sent:** Monday, March 14, 2016 11:58 AM  
**To:** Robinson, Gordon FLNR:EX; Sandland, James FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

I am confused as I thought you told me this morning Gordon that the minister had his speaking notes?

Diane

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 11:08 AM  
**To:** Nicholls, Diane R FLNR:EX; Rousselle, Jillian FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX  
**Cc:** Di Giorgio, Alexis FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

Hi Diane,

To accommodate for this moving is it possible to get the speaking notes for the Minister by the end of the day? From ENV Wes and David Tesch will be supporting.

To answer your questions:

1-2: The meeting will be in Chambers from 9:00-11:00 on the 16<sup>th</sup>.

3: The CWGCL is a new Cabinet Committee, its members are:

Premier Christy Clark (Chair)

Mary Polak (Vice Chair)

Bill Bennett

Shirley Bond

Rich Coleman



Mike de Jong  
Peter Fassbender  
Todd Stone

4: The ministers will still be presenting.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Nicholls, Diane R FLNR:EX  
**Sent:** Monday, March 14, 2016 10:52 AM  
**To:** Rousselle, Jillian FLNR:EX; Robinson, Gordon FLNR:EX  
**Cc:** Di Georgio, Alexis FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC  
**Importance:** High

I have questions:

1. When on the 16<sup>th</sup> ?
2. Where on the 16<sup>th</sup>?
3. Is the Working Group on Climate Leadership a cabinet committee? Can you tell me who is on it?
4. Is MST still presenting (lead) with Minister Pollock?

Thanks.

diane

---

**From:** Rousselle, Jillian FLNR:EX  
**Sent:** Monday, March 14, 2016 10:06 AM  
**To:** Sheldon, Tim FLNR:EX; Nicholls, Diane R FLNR:EX  
**Cc:** Ethier, Tom FLNR:EX; Robinson, Gordon FLNR:EX  
**Subject:** Fwd: Cancellation of March 17 ELUC  
FYI

Jillian Rousselle

Begin forwarded message:

**From:** "Finkel, Paul PREM:EX" <[Paul.Finkel@gov.bc.ca](mailto:Paul.Finkel@gov.bc.ca)>  
**Date:** March 14, 2016 at 9:43:32 AM PDT  
**To:** "Rousselle, Jillian FLNR:EX" <[Jillian.Rousselle@gov.bc.ca](mailto:Jillian.Rousselle@gov.bc.ca)>  
**Subject:** Cancellation of March 17 ELUC

Jillian, fyi, a notice will go out today announcing cancellation of ELUC. The FLNR item dealing with climate impacts will now go to the Working Group on Climate Leadership on March 16<sup>th</sup>. Please let me know if you have any questions. Thanks

Paul Finkel | Cabinet Operations  
Room 049 | 617 Government St. | Victoria, BC | V8W 9V1  
250.387.0728

**From:** Sandland, James FLNR:EX []  
**To:** Tesch, David ENV:EX [David.Tesch@gov.bc.ca]  
**CC:** Paradine, Dennis FLNR:EX [Dennis.Paradine@gov.bc.ca]  
**Subject:** Follow-up: Speaking points for ELUC mandate #13  
**Date:** Thursday, March 10, 2016 16:49:01  
**Attachment 1:** MM13 speaking points. v2.docx

---

Dave,

Attached are the last version of speaking points I have for the ELUC deck – mandate #5/#13.

Do you want to take a stab at revising for Ministers? At least the water pieces and maybe intro/outro... Perhaps we could connect on Monday briefly to go over, before firing on to our respective MO's.

Sound ok?

JS

*James Sandland*

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Page 359 to/à Page 362

Withheld pursuant to/removed as

s.12;s.13

**From:** Barillaro, Scott W ENV:EX  
**To:** Crozier, Bev ENV:EX; Tesch, David ENV:EX; Standen, Jim ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates  
**Date:** March 14, 2016 12:10:09 PM

---

Done. I got it.

---

**From:** Crozier, Bev ENV:EX  
**Sent:** Monday, March 14, 2016 12:09 PM  
**To:** Barillaro, Scott W ENV:EX; Tesch, David ENV:EX; Standen, Jim ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

Could I also please get the deck that David attached?

I will send the meeting invite here momentarily to David and thank you!

Bev

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Monday, March 14, 2016 12:06 PM  
**To:** Tesch, David ENV:EX; Standen, Jim ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX; Llewellyn-Thomas, Marnie ENV:EX; Crozier, Bev ENV:EX  
**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

Thanks David. ELUC on the 17<sup>th</sup> was just cancelled. The joint FLNRO/MOE climate item got moved to CWG Climate Leadership on Wednesday from 9:00 to 11:00. We're heard rumblings this meeting may also get cancelled, but it is on for now.

Bev: Please update the calendar invite to David so he can support MMP and Wes at the meeting.

Thanks.

WSB

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 11:05 AM  
**To:** Barillaro, Scott W ENV:EX; Standen, Jim ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** FW: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

Hi Scott and Jim,

I understand that AGRI is also going to ELUC with their Climate Change MML Cab Sub on the 17<sup>th</sup>. I believe they are presenting after FLNRO/ENV.

We (FLNRO/ENV) have been coordinating our material with AGRI. For your information, if you don't already have it, here is a copy of the slidedeck AGRI will be presenting.

Regards,

D.

---

**From:** Easton, Joan E AGRI:EX

**Sent:** Wednesday, March 9, 2016 2:18 PM

**To:** Boyle, Naomi FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; Trotter, Ward FLNR:EX; Tesch, David ENV:EX; White, Thomas ENV:EX

**Cc:** Romero, Jenny AGRI:EX; McLachlan, Ian P AGRI:EX

**Subject:** RE: Minister's Mandate Letters – Climate Change: FLNR, AGRI and MOE Coordination and Updates

<< File: ML 2015 - ELUC Climate Change - March 10 2016 with speaking notes.pptx >>

**From:** Llewellyn-Thomas, Marnie ENV:EX  
**To:** Tesch, David ENV:EX  
**Subject:** Last version of MM#13 cab-sub  
**Date:** March 14, 2016 12:56:03 PM  
**Attachments:** ELUC Summary Sheet MM13 05 (Mar 3 - FINAL).docx,  
ELUC Summary Sheet MM13 05 (Mar 3 - FINAL).pdf  
**Importance:** High

---

**From:** Llewellyn-Thomas, Marnie ENV:EX  
**Sent:** Wednesday, February 24, 2016 1:53 PM  
**To:** Barillaro, Scott W ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

FYI

~Marnie

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, February 24, 2016 10:34 AM  
**To:** Lewis, Kaaren ENV:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Hi Kaaren,

It looks like your edits on the **summary page** didn't get incorporated into the versions signed off by the Ministers. I talked to Ward about it and he said that if we wanted to pull it back and get the edits incorporated, that would be our responsibility to do.

I know it is sometimes hard to see track changes in word documents, so I've included a PDF version of your edits that might be easier for you to see on your phone as a reminder on what your edits were.

Do you want Marnie and I to work with the DMO to pull back the **summary page** and get the reworded one sent up?

Regards,

D.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Tuesday, February 23, 2016 8:43 AM  
**To:** Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

My suggested revisions in track changes on the summary sheet – the main sub looks good.

Thanks

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, February 22, 2016 3:40 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** FW: Request: Last version of MM#13 cab-sub  
**Importance:** High

Here are the edited documents that have come through James' shop.

The rewording I proposed for the request is:

s.12,s.13

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 1:24 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
**Importance:** High

Thanks Brenda,

Attached are the revised ELUC submission and summary sheet as per directions from the Ministers from this morning. Please send forward to the Minister's office by the end of the day. Edits were pretty straightforward, so I'm not sure if Tom wants to review first but I will leave that up to you to ask him.

Thanks very much,

JS

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Monday, February 22, 2016 1:09 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX  
**Subject:** RE: Request: Last version of MM#13 cab-sub  
James, this is the full package.

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, February 22, 2016 12:08 PM  
**To:** Larkin, Brenda FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Ethier, Tom FLNR:EX  
**Subject:** Request: Last version of MM#13 cab-sub

Hi Brenda,

We met with Ministers Thompson and Polak this morning, going over the mandate #13 package (sub, speaking notes, cab-sub summary sheet and slide deck). I need to make a couple small edits as requested by the Ministers to the cab-sub and summary sheet.

Can you please fire over the cab-sub and summary sheet that you sent in to the Ministers office, just to make sure I'm working off the correct version...? Once I have edited I will fire back to you to forward back to Ministers offices.

Thanks very much,

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

*Multidisciplined*

*We explore the interplay*

*Nature and commerce*

Page 367 to/à Page 370

Withheld pursuant to/removed as

s.12;s.13



**From:** Llewellyn-Thomas, Marnie ENV:EX  
**To:** Tesch, David ENV:EX  
**Subject:** ELUC Climate Change material  
**Date:** March 14, 2016 12:56:28 PM  
**Attachments:** ELUC Presentation MM13 05 (Mar 3).pptx  
ELUC Speaking notes MM13 Mar 03.docx

---

**From:** Llewellyn-Thomas, Marnie ENV:EX  
**Sent:** Friday, February 19, 2016 8:31 AM  
**To:** Crozier, Bev ENV:EX  
**Subject:** FW: ELUC Climate Change material

FYI

;-)

~Marnie

---

**From:** Larkin, Brenda FLNR:EX  
**Sent:** Thursday, February 18, 2016 4:26 PM  
**To:** Rosche, Kimberly FLNR:EX; Robinson, Gordon FLNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Trotter, Ward FLNR:EX; Boyce, Melanie FLNR:EX; Ethier, Tom FLNR:EX; Paradine, Dennis FLNR:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** ELUC Climate Change material

Kim/Gordon,

Attached you will find the speaking notes and powerpoint presentation for ELUC Climate Change  
Can you please ensure that once Tim Sheldan has reviewed that the material is forwarded to the  
Environment Deputy Minister's Office.

The material has been reviewed by ADM Kaaren Lewis, but unfortunately no FLNR ADMs due to time  
restraints.

**Brenda Larkin**

Executive Administrative Assistant  
Resource Stewardship Division  
Ministry of Forests, Lands and Natural Resource Operations  
780 Blanshard Street, Victoria  
Ph: 250 356-0972

Page 372 to/à Page 375

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s.12;s.13

Page 001 to/à Page 013

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** RE: Cancellation of March 17 ELUC  
**Date:** March 14, 2016 2:22:14 PM

---

Will do – just back to my desk now to look at them.

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 2:07 PM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

Hi Dennis and James,

Please let me know if you make any changes to the SN's before they go up to your DMO/MO so that I can coordinate with my Exec staff.

Regards,

D.

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 1:40 PM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

Hi Dennis,

I forwarded to you the latest version of the speaking notes (sent the final package materials that I had to you, James and Diane). The SN I sent had been finalized and sent up to ENV's DMO/MO.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 12:10 PM  
**To:** Sandland, James FLNR:EX  
**Cc:** Trotter, Ward FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Cancellation of March 17 ELUC  
**Importance:** High

Will do. Attached is the last that I had. Ward/Dave do you have any more recent?

---

**From:** Sandland, James FLNR:EX  
**Sent:** Monday, March 14, 2016 12:01 PM  
**To:** Paradine, Dennis FLNR:EX  
**Subject:** FW: Cancellation of March 17 ELUC

Do you have the last version of speaking notes we did for Tom and Caaren..? Can you dust those off, tweak if necessary and touch base with Dave Tesch to see if he had any tweaks as well...?

Will need to fire through by end of day. Thanks

JS

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 11:59 AM  
**To:** Nicholls, Diane R FLNR:EX; Sandland, James FLNR:EX  
**Subject:** RE: Cancellation of March 17 ELUC

Sorry if I wasn't clear. The division of who is speaking to what has been decided on but we don't have the notes themselves yet.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Nicholls, Diane R FLNR:EX  
**Sent:** Monday, March 14, 2016 11:58 AM

**To:** Robinson, Gordon FLNR:EX; Sandland, James FLNR:EX

**Subject:** RE: Cancellation of March 17 ELUC

I am confused as I thought you told me this morning Gordon that the minister had his speaking notes?

Diane

---

**From:** Robinson, Gordon FLNR:EX

**Sent:** Monday, March 14, 2016 11:08 AM

**To:** Nicholls, Diane R FLNR:EX; Rousselle, Jillian FLNR:EX; Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX

**Cc:** Di Georgio, Alexis FLNR:EX

**Subject:** RE: Cancellation of March 17 ELUC

Hi Diane,

To accommodate for this moving is it possible to get the speaking notes for the Minister by the end of the day? From ENV Wes and David Tesch will be supporting.

To answer your questions:

1-2: The meeting will be in Chambers from 9:00-11:00 on the 16<sup>th</sup>.

3: The CWGCL is a new Cabinet Committee, its members are:

Premier Christy Clark (Chair)

Mary Polak (Vice Chair)

Bill Bennett

Shirley Bond

Rich Coleman

Mike de Jong

Peter Fassbender

Todd Stone

4: The ministers will still be presenting.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Nicholls, Diane R FLNR:EX

**Sent:** Monday, March 14, 2016 10:52 AM

**To:** Rousselle, Jillian FLNR:EX; Robinson, Gordon FLNR:EX

**Cc:** Di Georgio, Alexis FLNR:EX

**Subject:** RE: Cancellation of March 17 ELUC

**Importance:** High

I have questions:

1. When on the 16<sup>th</sup> ?

2. Where on the 16<sup>th</sup>?

3. Is the Working Group on Climate Leadership a cabinet committee? Can you tell me who is on it?

4. Is MST still presenting (lead) with Minister Pollock?

Thanks.

diane

---

**From:** Rousselle, Jillian FLNR:EX

**Sent:** Monday, March 14, 2016 10:06 AM

**To:** Sheldon, Tim FLNR:EX; Nicholls, Diane R FLNR:EX

**Cc:** Ethier, Tom FLNR:EX; Robinson, Gordon FLNR:EX

**Subject:** Fwd: Cancellation of March 17 ELUC

FYI

Jillian Rousselle

Begin forwarded message:

**From:** "Finkel, Paul PREM:EX" <[Paul.Finkel@gov.bc.ca](mailto:Paul.Finkel@gov.bc.ca)>  
**Date:** March 14, 2016 at 9:43:32 AM PDT  
**To:** "Rousselle, Jillian FLNR:EX" <[Jillian.Rousselle@gov.bc.ca](mailto:Jillian.Rousselle@gov.bc.ca)>  
**Subject:** **Cancellation of March 17 ELUC**

Jillian, fyi, a notice will go out today announcing cancellation of ELUC. **s.12,s.13**  
**s.12,s.13**

Paul Finkel|Cabinet Operations  
Room 049| 617 Government St. | Victoria, BC | V8W 9V1  
250.387.0728

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Robinson, Gordon FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#); [Barillaro, Scott W ENV:EX](#); [Nicholls, Diane R FLNR:EX](#)  
**Subject:** FW: Final Versions of ELUC Package for MM13-05  
**Date:** March 14, 2016 3:24:56 PM  
**Attachments:** [ELUC Presentation MM13\\_05 \(Mar 3\).pptx](#)  
[ELUC Request for Decision MM13\\_05 \(Mar 3 - FINAL\).docx](#)  
[ELUC Summary Sheet MM13\\_05 \(Mar 3 - FINAL\).docx](#)  
[ELUC Speaking notes MM13 Mar 16.docx](#)  
**Importance:** High

---

Hi Gordon,

Attached are the speaking notes for ELUC (now CWGCL) as well as the final versions of the materials that were at ENV DMO. I believe that these match those from FLNR, however a check is needed (I do not have the finals for our materials)

A couple of items that might need your attention:

- 1) The materials have a March 3 date on them, as well as ELUC. Not sure if they need to be changed to March 16 and CWGCL.
- 2) The speaking notes have Ministers Thomson and Polak sharing duties as Tim Sheldan and Wes Shoemaker did for NRB. Not sure if this will still be the case for Cabinet.

(Dave, my changes to the speaking notes are in track changes – they relate wholly to correcting names).

Best,

Dennis

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Monday, March 14, 2016 1:30 PM  
**To:** [Nicholls, Diane R FLNR:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#); [Barillaro, Scott W ENV:EX](#)  
**Subject:** Final Versions of ELUC Package for MM13-05

Hi Diane,

Here are the final materials that I have for the ELUC package on the presentation for the minister mandate letter 13 (FLNRO)/5 (ENV) response.

There are 4 documents:

A powerpoint presentation with 11 slides;

The accompanying speaking notes for the presentation (Joint FLNRO/ENV presentation with MMP speaking to slides 6, 7 and 10);

A request for decision cab sub; and

A 1-pager cab sub summary note (Kaaren had changes on this one).

With respect to the 1-pager cab sub summary note: Kaaren had changes to this document and the only version I have of it still has track changes turned on. This version, with track changes turned on, was the one forwarded up to our DMO/MO , so if it was cleaned up after that, I do not have a copy.

Regards,

D.

Page 018 to/à Page 062

Withheld pursuant to/removed as

s.12;s.13



**From:** [Robinson, Gordon FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#); [Barillaro, Scott W ENV:EX](#); [Nicholls, Diane R FLNR:EX](#); [Crozier, Bev ENV:EX](#)  
**Cc:** [Rousselle, Jillian FLNR:EX](#); [Rosche, Kimberly FLNR:EX](#)  
**Subject:** RE: Final Versions of ELUC Package for MM13-05  
**Date:** March 14, 2016 3:48:15 PM  
**Attachments:** [Climate Impacts RFD-signed.pdf](#)  
[Climate Impacts MM13\\_05 PPT.pptx](#)  
**Importance:** High

---

Hi everyone,

Just to make sure that everybody is on the same page. Here are the signed finals for the submission and the powerpoint. There is a bit of a difference in the summary sheet between the version in Dennis's email and the final. The only changes to the powerpoint were to the date and committee name. I understand that the speaking notes are already approved by ENV, I will get them approved here and up to our MO ASAP.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 3:25 PM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX  
**Subject:** FW: Final Versions of ELUC Package for MM13-05  
**Importance:** High

Hi Gordon,

Attached are the speaking notes for ELUC (now CWGCL) as well as the final versions of the materials that were at ENV DMO. I believe that these match those from FLNR, however a check is needed (I do not have the finals for our materials)

A couple of items that might need your attention:

- 1) The materials have a March 3 date on them, as well as ELUC. Not sure if they need to be changed to March 16 and CWGCL.
- 2) The speaking notes have Ministers Thomson and Polak sharing duties as Tim Sheldan and Wes Shoemaker did for NRB. Not sure if this will still be the case for Cabinet.

(Dave, my changes to the speaking notes are in track changes – they relate wholly to correcting names).

Best,

Dennis

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 1:30 PM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX  
**Subject:** Final Versions of ELUC Package for MM13-05

Hi Diane,

Here are the final materials that I have for the ELUC package on the presentation for the minister mandate letter 13 (FLNRO)/5 (ENV) response.

There are 4 documents:

A powerpoint presentation with 11 slides;

The accompanying speaking notes for the presentation (Joint FLNRO/ENV presentation with MMP

speaking to slides 6, 7 and 10);

A request for decision cab sub; and

A 1-pager cab sub summary note (Kaaren had changes on this one).

With respect to the 1-pager cab sub summary note: Kaaren had changes to this document and the only version I have of it still has track changes turned on. This version, with track changes turned on, was the one forwarded up to our DMO/MO , so if it was cleaned up after that, I do not have a copy.

Regards,

D.

Page 065 to/à Page 114

Withheld pursuant to/removed as

s.12;s.13

**From:** Barillaro, Scott W ENV:EX  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX; Robinson, Gordon FLNR:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05  
**Date:** March 14, 2016 4:29:09 PM

---

I checked in with Gordon and we discussed options. Gordon correctly pointed out that Cab Ops would have sent out what it had on file last week to ensure that ministers had what they needed for the meeting. So, it's unlikely they could substitute the materials at this point. Jillian and I had connected on that some time ago, but we didn't close the loop on it. My apologies for that.

WSB

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 4:26 PM  
**To:** Paradine, Dennis FLNR:EX; Robinson, Gordon FLNR:EX  
**Cc:** Barillaro, Scott W ENV:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05

My preference would be to use Kaaren's version. I've talked to Scott to see if there is anything that can be done from our DMO, but I recognize we are late in the game.

Thanks everyone for your efforts today.

Regard,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 4:11 PM  
**To:** Robinson, Gordon FLNR:EX; Tesch, David ENV:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05

Ok from my side.

David?

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 4:03 PM  
**To:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX; Crozier, Bev ENV:EX  
**Cc:** Rousselle, Jillian FLNR:EX; Rosche, Kimberly FLNR:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05

Unfortunately I don't think Cab Ops is going to go for that. The version they're going to use is the one with the Ministers' signatures on it and I think we're too late in the game change it.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

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**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 3:57 PM  
**To:** Robinson, Gordon FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX; Crozier, Bev ENV:EX  
**Cc:** Rousselle, Jillian FLNR:EX; Rosche, Kimberly FLNR:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05

Hi Gordon,

The version of the summary sheet that I sent includes changes requested by ENV (see Dave's note below) – it cleans up the language a bit. If it is not too much of an issue, recommend using the ENV version.

Dennis

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 3:48 PM  
**To:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W

ENV:EX; Nicholls, Diane R FLNR:EX; Crozier, Bev ENV:EX  
**Cc:** Rousselle, Jillian FLNR:EX; Rosche, Kimberly FLNR:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05  
**Importance:** High

Hi everyone,

Just to make sure that everybody is on the same page. Here are the signed finals for the submission and the powerpoint. There is a bit of a difference in the summary sheet between the version in Dennis's email and the final. The only changes to the powerpoint were to the date and committee name. I understand that the speaking notes are already approved by ENV, I will get them approved here and up to our MO ASAP.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

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**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 3:25 PM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX  
**Subject:** FW: Final Versions of ELUC Package for MM13-05  
**Importance:** High

Hi Gordon,

Attached are the speaking notes for ELUC (now CWGCL) as well as the final versions of the materials that were at ENV DMO. I believe that these match those from FLNR, however a check is needed (I do not have the finals for our materials)

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(Dave, my changes to the speaking notes are in track changes – they relate wholly to correcting names).

Best,

Dennis

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 1:30 PM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX  
**Subject:** Final Versions of ELUC Package for MM13-05

Hi Diane,

Here are the final materials that I have for the ELUC package on the presentation for the minister mandate letter 13 (FLNRO)/5 (ENV) response.

There are 4 documents:

A powerpoint presentation with 11 slides;

The accompanying speaking notes for the presentation (Joint FLNRO/ENV presentation with MMP speaking to slides 6, 7 and 10);

A request for decision cab sub; and

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was the one forwarded up to our DMO/MO , so if it was cleaned up after that, I do not have a copy.  
Regards,  
D.

**From:** [Robinson, Gordon FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#); [Barillaro, Scott W ENV:EX](#); [Nicholls, Diane R FLNR:EX](#); [Crozier, Bev ENV:EX](#)  
**Cc:** [Rousselle, Jillian FLNR:EX](#); [Rosche, Kimberly FLNR:EX](#)  
**Subject:** RE: Final Versions of ELUC Package for MM13-05  
**Date:** March 14, 2016 4:51:26 PM  
**Attachments:** [CWGCL Speaking notes MM13 Mar 16 revised.docx](#)  
[CWGCL Speaking notes MM13 Mar 16 revisions with track changes.docx](#)

---

Hi everyone,

Diane has made a couple of more changes to these speaking notes to reflect the new committee and fix a couple of minor things. There was only one change to an ENV slide (correcting a typo) so I'll leave it up to Scott and Bev to decide what they want to do with this version.

I have attached the revised version with and without track changes here.

Thank you everyone for spending so much of your day on this I really appreciate it.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 3:25 PM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX  
**Subject:** FW: Final Versions of ELUC Package for MM13-05  
**Importance:** High

Hi Gordon,

Attached are the speaking notes for ELUC (now CWGCL) as well as the final versions of the materials that were at ENV DMO. I believe that these match those from FLNR, however a check is needed (I do not have the finals for our materials)

A couple of items that might need your attention:

- 1) The materials have a March 3 date on them, as well as ELUC. Not sure if they need to be changed to March 16 and CWGCL.
- 2) The speaking notes have Ministers Thomson and Polak sharing duties as Tim Sheldan and Wes Shoemaker did for NRB. Not sure if this will still be the case for Cabinet.

(Dave, my changes to the speaking notes are in track changes – they relate wholly to correcting names).

Best,

Dennis

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 1:30 PM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX  
**Subject:** Final Versions of ELUC Package for MM13-05

Hi Diane,

Here are the final materials that I have for the ELUC package on the presentation for the minister mandate letter 13 (FLNRO)/5 (ENV) response.

There are 4 documents:

A powerpoint presentation with 11 slides;

The accompanying speaking notes for the presentation (Joint FLNRO/ENV presentation with MMP speaking to slides 6, 7 and 10);

A request for decision cab sub; and

A 1-pager cab sub summary note (Kaaren had changes on this one).

With respect to the 1-pager cab sub summary note: Kaaren had changes to this document and the only version I have of it still has track changes turned on. This version, with track changes turned on, was the one forwarded up to our DMO/MO , so if it was cleaned up after that, I do not have a copy.

Regards,

D.



Page 120 to/à Page 132

Withheld pursuant to/removed as

s.12;s.13

**From:** [Barillaro, Scott W ENV:EX](#)  
**To:** [Robinson, Gordon FLNR:EX](#); [Paradine, Dennis FLNR:EX](#); [Tesch, David ENV:EX](#); [Sandland, James FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#); [Crozier, Bev ENV:EX](#)  
**Cc:** [Rousselle, Jillian FLNR:EX](#); [Rosche, Kimberly FLNR:EX](#)  
**Subject:** RE: Final Versions of ELUC Package for MM13-05  
**Date:** March 14, 2016 6:40:50 PM

---

Thanks for the check Gordon. This is good from my perspective. I will accept the tracked changes and save this version for MMP.

WSB

---

**From:** Robinson, Gordon FLNR:EX  
**Sent:** Monday, March 14, 2016 4:51 PM  
**To:** Paradine, Dennis FLNR:EX; Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX; Crozier, Bev ENV:EX  
**Cc:** Rousselle, Jillian FLNR:EX; Rosche, Kimberly FLNR:EX  
**Subject:** RE: Final Versions of ELUC Package for MM13-05

Hi everyone,

Diane has made a couple of more changes to these speaking notes to reflect the new committee and fix a couple of minor things. There was only one change to an ENV slide (correcting a typo) so I'll leave it up to Scott and Bev to decide what they want to do with this version.

I have attached the revised version with and without track changes here.

Thank you everyone for spending so much of your day on this I really appreciate it.

**Gordon Robinson** | Manager, Executive Issues | Deputy Minister's Office | Ministry of Forests, Lands and Natural Resource Operations | tel: 250.387.4878 | cell: 250.213.8447

[Gordon.Robinson@gov.bc.ca](mailto:Gordon.Robinson@gov.bc.ca)

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Monday, March 14, 2016 3:25 PM  
**To:** Robinson, Gordon FLNR:EX  
**Cc:** Tesch, David ENV:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX; Nicholls, Diane R FLNR:EX  
**Subject:** FW: Final Versions of ELUC Package for MM13-05  
**Importance:** High

Hi Gordon,

Attached are the speaking notes for ELUC (now CWGCL) as well as the final versions of the materials that were at ENV DMO. I believe that these match those from FLNR, however a check is needed (I do not have the finals for our materials)

A couple of items that might need your attention:

- 1) The materials have a March 3 date on them, as well as ELUC. Not sure if they need to be changed to March 16 and CWGCL.
- 2) The speaking notes have Ministers Thomson and Polak sharing duties as Tim Sheldan and Wes Shoemaker did for NRB. Not sure if this will still be the case for Cabinet.

(Dave, my changes to the speaking notes are in track changes – they relate wholly to correcting names).

Best,

Dennis

---

**From:** Tesch, David ENV:EX  
**Sent:** Monday, March 14, 2016 1:30 PM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX; Barillaro, Scott W ENV:EX  
**Subject:** Final Versions of ELUC Package for MM13-05

Hi Diane,

Here are the final materials that I have for the ELUC package on the presentation for the minister mandate letter 13 (FLNRO)/5 (ENV) response.

There are 4 documents:

A powerpoint presentation with 11 slides;

The accompanying speaking notes for the presentation (Joint FLNRO/ENV presentation with MMP speaking to slides 6, 7 and 10);

A request for decision cab sub; and

A 1-pager cab sub summary note (Kaaren had changes on this one).

With respect to the 1-pager cab sub summary note: Kaaren had changes to this document and the only version I have of it still has track changes turned on. This version, with track changes turned on, was the one forwarded up to our DMO/MO , so if it was cleaned up after that, I do not have a copy.

Regards,

D.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: MM13/05 - we are apparently on at around 10:00  
**Date:** March 16, 2016 8:57:01 AM

---

I'll let u know when we get the 15 minute signal

Dennis Paradine  
250-356-6230

> On Mar 16, 2016, at 8:51 AM, Tesch, David ENV:EX <David.Tesch@gov.bc.ca> wrote:

>

> Ok. That's good to know.

>

> I was told to be here at 8:50. So I am....

>

> Time to curl up with a good book.

>

> Regards,

> D.

>

> On Mar 16, 2016, at 8:48 AM, Paradine, Dennis FLNR:EX <Dennis.Paradine@gov.bc.ca> wrote:

>

>

>

> Dennis Paradine

> 250-356-6230

>

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: Still waiting...  
**Date:** March 16, 2016 10:25:05 AM

---

We are in Ministers office, enjoying the BC Forest Service carving, which needs to be recarved.

Don't fall asleep

Dennis Paradine  
250-356-6230

> On Mar 16, 2016, at 10:22 AM, Tesch, David ENV:EX <David.Tesch@gov.bc.ca> wrote:  
>  
> They were/are quite late. A private discussion (even DM's were asked to leave) took place from 9:00-10:00am.  
The main group just went in to the room at 10:00.  
>  
> So I'm assuming they are behind. Wes indicated that he may not even ask for me to come in the room. So I'm on  
standby.  
>  
> Good book though...a riveting treatise on the state of the provincial hydrometric information....  
>  
> Regards,  
> D.  
>  
> On Mar 16, 2016, at 10:18 AM, Paradine, Dennis FLNR:EX <Dennis.Paradine@gov.bc.ca> wrote:  
>  
> Anything happening there?  
>  
> Dennis Paradine  
> 250-356-6230  
>

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: Still waiting...  
**Date:** March 16, 2016 10:48:22 AM

---

It will be James and Diane Nicholls supporting on outlet side - I have to head out.

No further word here yet

Dennis Paradine  
250-356-6230

> On Mar 16, 2016, at 10:22 AM, Tesch, David ENV:EX <David.Tesch@gov.bc.ca> wrote:  
>  
> They were/are quite late. A private discussion (even DM's were asked to leave) took place from 9:00-10:00am.  
The main group just went in to the room at 10:00.  
>  
> So I'm assuming they are behind. Wes indicated that he may not even ask for me to come in the room. So I'm on  
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> Good book though...a riveting treatise on the state of the provincial hydrometric information....  
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> On Mar 16, 2016, at 10:18 AM, Paradine, Dennis FLNR:EX <Dennis.Paradine@gov.bc.ca> wrote:  
>  
> Anything happening there?  
>  
> Dennis Paradine  
> 250-356-6230  
>

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** RE: Climate Adaptation Working Group  
**Date:** April 20, 2016 3:37:24 PM

---

Good idea- we might also want to include Tom E as this is also a major recommendation related to drought response preparedness...

Kaaren

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Wednesday, April 20, 2016 11:58 AM  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Subject:** RE: Climate Adaptation Working Group

As a postscript to this. After listening to James Sandland and Thomas talk about the things that seem to be moving ahead under the CLP, it looks like the initial phases are weighted towards Mitigation actions and items. It seems to me (and Thomas agrees) that the opportunity to tap into CLP funding for our Climate Related Monitoring Proposal is not materializing. I've proposed to Thomas that we (you, Suzanna, Thomas and myself) should sit down and discuss this. If CLP is not going to be a realistic source of funding for the networks,, we need to be ready to follow up on the MML briefing recommendation that we would return in the Fall of 2016 with a specific funding request for network resources.

I'll have Marnie try to set up a time.

D.

---

**From:** [Tesch, David ENV:EX](#)  
**Sent:** Wednesday, April 20, 2016 11:48 AM  
**To:** [Lewis, Kaaren ENV:EX](#)  
**Cc:** [Llewellyn-Thomas, Marnie ENV:EX](#); [Dale, Alec R ENV:EX](#); [Kriwoken, Lynn ENV:EX](#); [Danks, Anthony ENV:EX](#); [Schultz, Fern ENV:EX](#)  
**Subject:** Climate Adaptation Working Group

Hi Kaaren,

The Minister Mandate Letter Working Group that I've been sitting on seems to be morphing into a Climate Adaptation Working Group to support BC's representatives on the Pan-Canadian Framework. Our group has just met and has proposed a face to face session to discuss how we should organize to support Diane (and Suzanna).

We have put together a draft list of attendees and agenda items. I think we should have a discussion about who we would like to be there and what supporting roles we would take on. So far for MoE, Thomas White and myself are there. I'm going to assume since ADM's are invited that an invitation to you and Suzanna will be extended. Beyond that, I'm wondering who else from DEC would might want to attend. Notionally, we have Lynn's name there, but Alec also makes sense.

Perhaps this is something we could discuss at our next DEC.

Regards,

D.

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Easton, Joan E AGRI:EX](#); [Raymond, Mark AGRI:EX](#); [McLachlan, Ian P AGRI:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [White, Thomas ENV:EX](#)  
**Subject:** FW: URGENT: CLP Development - Forest Sector Presentation FLNR (May 3 Final Draft with Notes).pptx  
**Date:** May 4, 2016 10:42:52 AM  
**Attachments:** [CLP Development - Forest Sector Presentation FLNR \(May 3 Final Draft with Notes\).pptx](#)  
**Importance:** High

---

FYI only – being presented at DMC CL this afternoon

---

**From:** Nicholls, Diane R FLNR:EX  
**Sent:** Tuesday, May 3, 2016 8:20 AM  
**To:** Paradine, Dennis FLNR:EX; Sandland, James FLNR:EX  
**Subject:** URGENT: CLP Development - Forest Sector Presentation FLNR (May 3 Final Draft with Notes).pptx  
**Importance:** High  
Final changes I think.....please check the new slides I have done (as per direction from Premier office) as well I need help changing the slide # 6 as it has a different format  
If you can change slide 6 by doing the following:  
s.12,s.13

Turnaround on this is this morning so I can finalize and get the new deck into the system in time for tomorrow DMC meeting

James,

I am going back to Victoria to present in person, rather than trying to do over the phone. You are welcome to join in person or stay joining by phone – your preference.

Diane



Page 140 to/à Page 156

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Hopkins, Kathy L FLNR:EX](#); [Dymond, Caren FLNR:EX](#); [Brabender, Brendan FLNR:EX](#); [Bi, William FLNR:EX](#); [Bronstein, Nancy FLNR:EX](#); [Spittlehouse, Dave FLNR:EX](#); [Martins, Janelle FLNR:EX](#)  
**Cc:** [Fletcher, Christine E FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Davidson, Glen W FLNR:EX](#); [Tesch, David ENV:EX](#); [Chow, Brian FLNR:EX](#); [Meier, Ian R FLNR:EX](#); [Trotter, Ward FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#)  
**Subject:** FW: CLP - Adaptation presentation April 20 2016.pptx  
**Date:** May 6, 2016 9:38:56 AM  
**Attachments:** [CLP - Adaptation presentation April 20 2016.pptx](#)  
**Importance:** High

---

Climate Solutions Team.

Please see below. We'll need to put our minds to this immediately.

Non-TCI people – once we sort out scope, etc., we'll be in contact with you quickly for content.

The contents will likely be very similar to the original CLP proposals that everyone generated, combined with Minister's Mandate 13.

---

**From:** Nicholls, Diane R FLNR:EX  
**Sent:** Friday, May 6, 2016 9:31 AM  
**To:** Sandland, James FLNR:EX; Paradine, Dennis FLNR:EX; White, Thomas ENV:EX  
**Cc:** Peterson, Dave FLNR:EX  
**Subject:** CLP - Adaptation presentation April 20 2016.pptx  
**Importance:** High

Hello,

There seems to be thinking that an Adaptation deck will now be put together across government to get a mandate from cabinet on May 31 now. Can you please work with Thomas White to supply him with what MFLNRO would put into Phase I and Phase II. Remembering that phase one is what we can do now (without additional resources) and phase II is what we can implement with additional resources, legislation, regulation, etc.

I will revamp the speaking notes for the Minister presentation so that he signals Forests can do a lot for adaptation but the presentation is only focusing on mitigation.....

Thanks,

Diane

Page 158 to/à Page 162

Withheld pursuant to/removed as

s.12;s.13

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#); [Paradine, Dennis FLNR:EX](#)  
**Subject:** RE: CLP - Adaptation presentation 5 May 2016.pptx  
**Date:** May 6, 2016 3:44:00 PM

---

Roger that

---

**From:** White, Thomas ENV:EX  
**Sent:** Friday, May 6, 2016 3:44 PM  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** RE: CLP - Adaptation presentation 5 May 2016.pptx

We will also be asked to provide speaking notes – these provide an opportunity to include more detail than what appears on the slide. Please add any pertinent supporting information to the speaking notes.

Thanks,

*Thomas White*

---

**From:** White, Thomas ENV:EX  
**Sent:** Friday, May 6, 2016 3:01 PM  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** CLP - Adaptation presentation 5 May 2016.pptx

As discussed earlier today – could you please review and get back to me re language and numbers?

Thanks,

Thomas

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas FLNR:EX](#)  
**Subject:** Round table tomorrow  
**Date:** May 10, 2016 10:04:27 PM

---

Hi Thomas,

Not sure if Susanna mentioned it but the ADM's have round table with MMP tomorrow.

Kaaren asked me to prepare a few bullets on climate change adaptation work we are working on.

Did you have to prepare anything for Susanna? Please send me anything you prepped. I'll share with you what I send to Kaaren.

Regards,  
D.

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas FLNR:EX](#)  
**Subject:** Fwd: Round Table Bullet Item - Climate Change Adaptation  
**Date:** May 11, 2016 9:03:25 AM  
**Attachments:** [CLP - Adaptation presentation 5 May 2016 DP.pptx](#)  
[ATT00001.htm](#)

---

Hi Thomas,

Here is what I prepared for Kaaren last night.

Regards,  
D.

Begin forwarded message:

**From:** "Tesch, David ENV:EX" <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)>  
**Date:** May 10, 2016 at 10:28:18 PM PDT  
**To:** "Lewis, Kaaren ENV:EX" <[Kaaren.Lewis@gov.bc.ca](mailto:Kaaren.Lewis@gov.bc.ca)>  
**Cc:** "Llewellyn-Thomas, Marnie ENV:EX" <[Marnie.LlewellynThomas@gov.bc.ca](mailto:Marnie.LlewellynThomas@gov.bc.ca)>  
**Subject:** Round Table Bullet Item - Climate Change Adaptation

Hi Kaaren,

Here are some bullets for the round table discussion. I've also included the draft slide deck  
Thomas and I are working on. s.12,s.13  
s.12,s.13

Regards,  
D.

---

s.12,s.13

Page 166 to/à Page 171

Withheld pursuant to/removed as

s.12;s.13





**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Llewellyn-Thomas, Marnie ENV:EX](#); [Dale, Alec R ENV:EX](#)  
**Subject:** Re: Round Table Bullet Item - Climate Change Adaptation  
**Date:** May 11, 2016 9:14:28 PM

---

FYI I did discuss this at Ministers roundtable [s.12,s.13](#)  
[s.12,s.13](#)

Kaaren

Sent from my iPhone

On May 10, 2016, at 10:28 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Hi Kaaren,

Here are some bullets for the round table discussion. I've also included the draft slide deck Thomas and I are working on. [s.12,s.13](#)  
[s.12,s.13](#)

Regards,  
D.

---

[s.12,s.13](#)

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Cc:** [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#); [McLachlan, Ian P AGRI:EX](#); [Easton, Joan E AGRI:EX](#)  
**Subject:** RE: Please review summary text about adaptation in BC for PCF adaptation WG  
**Date:** May 12, 2016 5:22:00 AM

---

Thanks Thomas

I would add something like:

s.12,s.13

Maybe after the PCIC or WSA bullet.

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Tuesday, May 10, 2016 9:20 AM  
**To:** White, Thomas ENV:EX; McLachlan, Ian P AGRI:EX; Sandland, James FLNR:EX; Easton, Joan E AGRI:EX; Tesch, David ENV:EX  
**Subject:** RE: Please review summary text about adaptation in BC for PCF adaptation WG  
One suggested addition from FLNR which captures the breadth of internal to government work needed on adapting to the impacts of climate change. A variant on our standard FLNR speaking point messaging.  
Dennis

---

**From:** White, Thomas ENV:EX  
**Sent:** Monday, May 9, 2016 4:47 PM  
**To:** Paradine, Dennis FLNR:EX; McLachlan, Ian P AGRI:EX; Sandland, James FLNR:EX; Easton, Joan E AGRI:EX; Tesch, David ENV:EX  
**Subject:** Please review summary text about adaptation in BC for PCF adaptation WG  
Colleagues,

I have been asked to provide a short paragraph to the PCF adaptation working group on recent adaptation activity in B.C., for inclusion in the WG report. I would appreciate your thoughts on the text below. Much of this is lifted from Progress to Targets 2014 (so has already undergone multiple levels of approval), with minor updates. The intent is for this to serve as background/introductory material for an eventual report from the WG to CCME ministers. Pending any suggested revisions from you, I plan to send this to Susanna and Diane at the end of this week for their review.

s.12,s.13

***Thomas White***

Manager, Climate Risk Management  
Climate Action Secretariat  
British Columbia Ministry of Environment  
Office 250.953.4883  
Mobile 250.216.7478

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Cc:** [Dale, Alec R ENV:EX](#)  
**Subject:** RE: USE THIS VERSION: CLP - Adaptation presentation 5 May 2016.pptx  
**Date:** May 12, 2016 5:53:00 AM  
**Attachments:** [CLP - Adaptation presentation 5 May 2016 DP-RDT.pptx](#)  
**Importance:** High

---

Hi Thomas

I've made a couple of changes to this slide deck. I update the language and numbers for the monitoring line item and made some tweaks in the speaking notes to support.

s.12,s.13

What is the timeframe to get this to you? I'm in Vancouver today, but Alec and I should be able to have something drafted by tomorrow or Monday. Would that work?

Regards,

D.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, May 6, 2016 4:19 PM  
**To:** White, Thomas ENV:EX; Sandland, James FLNR:EX; Nicholls, Diane R FLNR:EX  
**Cc:** Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX  
**Subject:** USE THIS VERSION: CLP - Adaptation presentation 5 May 2016.pptx  
**Importance:** High

Thanks - I hadn't saved the slides in the version that I sent a few minutes ago. – Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, May 6, 2016 4:15 PM  
**To:** White, Thomas ENV:EX; Sandland, James FLNR:EX; Nicholls, Diane R FLNR:EX  
**Cc:** Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX  
**Subject:** RE: CLP - Adaptation presentation 5 May 2016.pptx  
**Importance:** High

Hi Thomas,

Here you go. I have reworked slide 2 a bit <sup>s.12,s.13</sup>

s.12,s.13

The speaking notes are also quite preliminary. We'll work on both of these more on Monday.

Thanks,

Dennis

---

**From:** White, Thomas ENV:EX  
**Sent:** Friday, May 6, 2016 3:44 PM  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX  
**Subject:** RE: CLP - Adaptation presentation 5 May 2016.pptx

We will also be asked to provide speaking notes – these provide an opportunity to include more detail than what appears on the slide. Please add any pertinent supporting information to the speaking notes.

Thanks,

*Thomas White*

---

**From:** White, Thomas ENV:EX  
**Sent:** Friday, May 6, 2016 3:01 PM  
**To:** Tesch, David ENV:EX; Paradine, Dennis FLNR:EX

**Subject:** CLP - Adaptation presentation 5 May 2016.pptx

As discussed earlier today – could you please review and get back to me re language and numbers?

Thanks,

Thomas

Page 178 to/à Page 183

Withheld pursuant to/removed as

s.12;s.13

**From:** [Tesch, David ENV:EX](#)  
**To:** [Gawalko, Lyle ENV:EX](#)  
**Subject:** FW: Adaptation slide deck - CLP  
**Date:** May 16, 2016 4:35:00 PM  
**Attachments:** [CLP - Adaptation presentation 12 May 2016.pptx](#)

---

Here is a copy of the slide deck we are building to.

---

**From:** White, Thomas ENV:EX  
**Sent:** Monday, May 16, 2016 4:35 PM  
**To:** McLachlan, Ian P AGRI:EX; Paradine, Dennis FLNR:EX; Tesch, David ENV:EX  
**Cc:** Easton, Joan E AGRI:EX; Sandland, James FLNR:EX  
**Subject:** Adaptation slide deck - CLP

Hi all,

I have attached my working version of the adaptation slide deck for CLP. Susanna is meeting with MMP this Thursday. I would like to get a revised deck to her for Wednesday noon (ish). Can you please get any additional material you want to include to me asap? I need material for agriculture – content for slides and speaking notes. I think we have everything else, though the wording on the slides may need to be tidied up for clarity; speaking notes also. I plan to work on this tomorrow. I am not available for our weekly call at 10:30 Wednesday; if we need to discuss the deck could we find another time? 11:30 works for me.

Cheers,  
Thomas

Page 185 to/à Page 194

Withheld pursuant to/removed as

s.12;s.13



**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [White, Thomas FLNR:EX](#)  
**Cc:** [McLachlan, Ian P AGRI:EX](#); [Tesch, David ENV:EX](#); [Easton, Joan E AGRI:EX](#); [Sandland, James FLNR:EX](#)  
**Subject:** Re: Adaptation slide deck - CLP  
**Date:** May 16, 2016 5:03:31 PM

---

I'll revisit the FLNR material tomorrow. Some minor adjustments and cross-checks to make.

Dennis Paradine  
250-356-6230

> On May 16, 2016, at 4:34 PM, White, Thomas ENV:EX <Thomas.White@gov.bc.ca> wrote:  
>  
> Hi all,  
>  
> I have attached my working version of the adaptation slide deck for CLP. Susanna is meeting with MMP this Thursday. I would like to get a revised deck to her for Wednesday noon (ish). Can you please get any additional material you want to include to me asap? I need material for agriculture – content for slides and speaking notes. I think we have everything else, though the wording on the slides may need to be tidied up for clarity; speaking notes also. I plan to work on this tomorrow.  
>  
> I am not available for our weekly call at 10:30 Wednesday; if we need to discuss the deck could we find another time? 11:30 works for me.  
>  
> Cheers,  
>  
> Thomas  
> <CLP - Adaptation presentation 12 May 2016.pptx>

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Cc:** [Gawalko, Lyle ENV:EX](#); [Dale, Alec R ENV:EX](#)  
**Subject:** RE: Here is the Climate Adaptation Bullet for the Networks  
**Date:** May 17, 2016 3:38:24 PM

---

I like it – and agree with dropping the first sentence.

Kaaren

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, May 17, 2016 3:33 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Gawalko, Lyle ENV:EX; Dale, Alec R ENV:EX  
**Subject:** RE: Here is the Climate Adaptation Bullet for the Networks

As I read through this, I would probably drop the first paragraph item of the speaking notes **s.12,s.13**  
leave everything else below.

And

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, May 17, 2016 3:13 PM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Gawalko, Lyle ENV:EX; Dale, Alec R ENV:EX  
**Subject:** Here is the Climate Adaptation Bullet for the Networks

Hi Kaaren,

Here is bullet for the Climate Related Monitoring Network piece and the updated speaking notes for your comment.

Regards,

D.

**s.12,s.13**

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Subject:** Slidedeck  
**Date:** May 17, 2016 3:42:00 PM  
**Attachments:** [CLP - Adaptation presentation 12 May 2016 - ESSPD edits.pptx](#)

---

Hi Thomas,

Here is the slidedeck with the items from ESSPD so you can start pulling together any other edits from others.

We added information on slides 4 and 7 and the corresponding notes pages.

Kaaren asked if you (or Susanna) would like any additional background material to support the briefing with the minister on Thursday. We have lots of material we could provide if needed.

Regards,

D.

Page 198 to/à Page 207

Withheld pursuant to/removed as

s.12;s.13

**From:** [Tesch, David ENV:EX](#)  
**To:** [White, Thomas ENV:EX](#)  
**Subject:** RE: Slidedeck  
**Date:** May 17, 2016 4:14:00 PM

---

I also asked about phase 1 versus phase 2 and MMP at roundtable specifically directed it to be in Phase 1. I'll ask Kaaren again, but this may be something for Susanna to test with MMP at their briefing.

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, May 17, 2016 4:08 PM  
**To:** White, Thomas ENV:EX  
**Subject:** RE: Slidedeck  
Let me check with Kaaren  
s.12,s.13

---

**From:** White, Thomas ENV:EX  
**Sent:** Tuesday, May 17, 2016 4:03 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Slidedeck  
Awesome – thanks!  
s.12,s.13

---

Cheers,

*Thomas White*

---

**From:** Tesch, David ENV:EX  
**Sent:** Tuesday, May 17, 2016 3:42 PM  
**To:** White, Thomas ENV:EX  
**Subject:** Slidedeck  
Hi Thomas,

Here is the slidedeck with the items from ESSPD so you can start pulling together any other edits from others.

We added information on slides 4 and 7 and the corresponding notes pages.

Kaaren asked if you (or Susanna) would like any additional background material to support the briefing with the minister on Thursday. We have lots of material we could provide if needed.

Regards,

D.

**From:** [Tesch, David ENV:EX](#)  
**To:** [Gawalko, Lyle ENV:EX](#)  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30  
**Date:** May 19, 2016 9:19:00 AM  
**Attachments:** [CLP - Adaptation presentation version 18 May 2016 w Speaking Notes.pptx](#)

---

Sorry Lyle,

Here is the version of the deck that Susanna was taking to the minister to see how she wanted proceed. That meeting is happening today. We will get final editing instructions after that.

Regards,

D.

---

**From:** Gawalko, Lyle ENV:EX  
**Sent:** Thursday, May 19, 2016 9:16 AM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

I know there was some discussion on the final wording for the description of the initiative. Can you let me know what was finalized?

Thanks....

**Lyle Gawalko**

A/Manager, Ecosystem Conservation  
Ministry of Environment, Ecosystems Branch  
2975 Jutland, Victoria, BC  
Ph: 250 387 0060  
Cell: 250 812 6894  
Email: [Lyle.Gawalko@gov.bc.ca](mailto:Lyle.Gawalko@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, May 18, 2016 12:32 PM  
**To:** Gawalko, Lyle ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

Yes, and anything else that you may know about ENV's role in Climate Change Adaptation. I've invited someone from Lynn's group to speak to WSA things, but no response back yet. It was a late invite, and I don't think anyone will respond.

This group is helping to strategize about how to support Diane and Susanna in their representation of BC with the Pan Canadian Framework. So there will be some planning discussions on who to engage with, when and about what.

I'll forward the agenda materials when they arrive.

---

**From:** Gawalko, Lyle ENV:EX  
**Sent:** Wednesday, May 18, 2016 12:28 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

Good. Yes, lets share a cab. And my role in the meeting? s.12,s.13

s.12,s.13

**Lyle Gawalko**

A/Manager, Ecosystem Conservation  
Ministry of Environment, Ecosystems Branch  
2975 Jutland, Victoria, BC  
Ph: 250 387 0060  
Cell: 250 812 6894

Email: [Lyle.Gawalko@gov.bc.ca](mailto:Lyle.Gawalko@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, May 18, 2016 12:27 PM  
**To:** Gawalko, Lyle ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

Yes, that was my thought that I would potentially leave the CC early.

The SLT meeting will also be at 1520 Blanshard in the meeting room right beside the CC meeting, so our commute time between meeting will be about 15 seconds.

---

**From:** Gawalko, Lyle ENV:EX  
**Sent:** Wednesday, May 18, 2016 12:21 PM  
**To:** Tesch, David ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

We have an SLT meeting from 3 to 4 tomorrow. If you are acting for Alec, you will need to attend. Not sure how to sort this one out? Maybe we can drop out of the CC meeting at 3:00 – let them know we need to deal with our topic before then.

**Lyle Gawalko**

A/Manager, Ecosystem Conservation  
Ministry of Environment, Ecosystems Branch  
2975 Jutland, Victoria, BC  
Ph: 250 387 0060  
Cell: 250 812 6894  
Email: [Lyle.Gawalko@gov.bc.ca](mailto:Lyle.Gawalko@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, May 18, 2016 11:08 AM  
**To:** Gawalko, Lyle ENV:EX  
**Subject:** RE: Meeting Tomorrow from 1:30-3:30

Super. If you are leaving from here, maybe we can share a cab downtown.

---

**From:** Gawalko, Lyle ENV:EX  
**Sent:** Wednesday, May 18, 2016 11:07 AM  
**To:** Tesch, David ENV:EX  
**Subject:** Re: Meeting Tomorrow from 1:30-3:30

Yes, I can juggle things to make the meeting.

Sent from my BlackBerry 10 smartphone on the TELUS network.

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, May 18, 2016 10:45 AM  
**To:** Gawalko, Lyle ENV:EX  
**Subject:** Meeting Tomorrow from 1:30-3:30

Hi Lyle,

Do you have time tomorrow to come with me to a Climate Change Adaptation meeting from 1:30-3:30 at 1520 Blanshard?

Regards,

D.

Page 211 to/à Page 222

Withheld pursuant to/removed as

s.12;s.13



**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [White, Thomas ENV:EX](#); [Tesch, David ENV:EX](#); [McLachlan, Ian P AGRI:EX](#); [Easton, Joan E AGRI:EX](#); [Sandland, James FLNR:EX](#)  
**Cc:** [Lewis, Kaaren ENV:EX](#)  
**Subject:** RE: CLP Adaptation deck  
**Date:** May 19, 2016 9:27:13 AM

---

Thanks Thomas –one minor item for now (when the next opportunity to work on the deck arises, I'll likely have further comments on the speaking notes given that there wasn't the time for a cross-check prior to bringing to MMP):

The speaking notes for slide 10 unfortunately change the focus of what FLNR had provided. To keep things easy for the moment, please change the following:

s.12,s.13

Thanks again,  
Dennis

---

**From:** White, Thomas ENV:EX  
**Sent:** Wednesday, May 18, 2016 4:17 PM  
**To:** [Tesch, David ENV:EX](#); [McLachlan, Ian P AGRI:EX](#); [Easton, Joan E AGRI:EX](#); [Paradine, Dennis FLNR:EX](#); [Sandland, James FLNR:EX](#)  
**Cc:** [Lewis, Kaaren ENV:EX](#)  
**Subject:** CLP Adaptation deck

Hi all,

Many thanks for your contributions to the deck; I've attached the version that Susanna will take forward to our minister tomorrow. We can discuss next steps at our face to face tomorrow afternoon.

(note there are several duplicate but hidden slides – this is to accommodate speaking notes).

Thanks again,  
Thomas

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Dale, Alec R ENV:EX](#)  
**Subject:** FW: CLP - Adaptation presentation version 18 May 2016 w Speaking Notes.pptx  
**Date:** May 20, 2016 12:21:15 PM  
**Attachments:** [CLP - Adaptation presentation version 18 May 2016 w Speaking Notes.pptx](#)  
[ATT00001.htm](#)

---

FYI

---

**From:** Laaksonen-Craig, Susanna ENV:EX  
**Sent:** Friday, May 20, 2016 10:36 AM  
**To:** White, Thomas ENV:EX  
**Cc:** Lewis, Kaaren ENV:EX  
**Subject:** Fwd: CLP - Adaptation presentation version 18 May 2016 w Speaking Notes.pptx  
Hi Thomas,

I just briefed the minister on this. She was overall happy with the deck. As discussed s.12,s.13  
s.12,s.13

Could you, please, make that change as well as those minor edits you had passed on to me earlier?  
Please, use this version because this has the changes I mentioned to you that I had made before  
sending to Fazil and MO.

Thanks,  
Susanna

Sent from my iPad

Begin forwarded message:

**From:** "Laaksonen-Craig, Susanna ENV:EX" <[Susanna.LaaksonenCraig@gov.bc.ca](mailto:Susanna.LaaksonenCraig@gov.bc.ca)>  
**To:** "Mihlar, Fazil ENV:EX" <[Fazil.Mihlar@gov.bc.ca](mailto:Fazil.Mihlar@gov.bc.ca)>  
**Subject:** CLP - Adaptation presentation version 18 May 2016 w Speaking Notes.pptx

Adaptation deck – if you are ok with this draft, please, pass on to the MO for our call  
with MMP tomorrow.  
Susanna

Page 225 to/à Page 236

Withheld pursuant to/removed as

s.12;s.13



**From:** [Llewellyn-Thomas, Marnie ENV:EX](#)  
**To:** [Dale, Alec R ENV:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** RE: MMP mandate commitments  
**Date:** June 8, 2016 9:04:59 AM  
**Importance:** High

---

Good morning Gentlemen,  
Please send Kaaren, as soon as possible, confirmation on items 5& 6 below as requested by Scott.  
TY,  
Marnie

---

**From:** Barillaro, Scott W ENV:EX  
**Sent:** Wednesday, June 8, 2016 8:53 AM  
**To:** Lewis, Kaaren ENV:EX  
**Cc:** Dale, Alec R ENV:EX; Tesch, David ENV:EX  
**Subject:** FW: MMP mandate commitments  
**Importance:** High

Hi Kaaren (et al).

Please see request from GCPE. They just need a quick update on the two items highlighted in yellow. I thought we did something on snowpack via ELUC earlier in the spring, but can't recall where it landed. [s.12,s.13](#) I believe MEM abandoned that idea at the behest of MBB, but again, it would be good to confirm. One or two lines directly to me would be fine.

Thanks.  
WSB

---

**From:** Crebo, David GCPE:EX  
**Sent:** Tuesday, June 7, 2016 11:06 AM  
**To:** Barillaro, Scott W ENV:EX  
**Subject:** MMP mandate commitments

Hey Scott – I'm just doing up a 30-60-90 comms plan for GCPE HQ, and I need to provide an update of July 2015 Minister mandate commitments, I've cobbled the stuff below, and it should all be good except likely items 5 and 6. They're dated. Do you guys have a current status of commitments?  
[s.12,s.13](#)

5. Working with the Ministry of Forests, Lands and Natural Resource Operation, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to Cabinet on a wildfire access corridor in southeast British Columbia.

Status of mandate item – FLNRO and MOE staff are working together to identify forests ecosystems and associated watersheds at the greatest risk to snow and glacial climate related changes in BC., and to make recommendations on strategies to protect values at risk

6. Work with the Ministry of Energy and Mines and Ministry of Forests, Lands and Natural Resource Operations to provide options to Cabinet on a wildfire access corridor in southeast British Columbia.

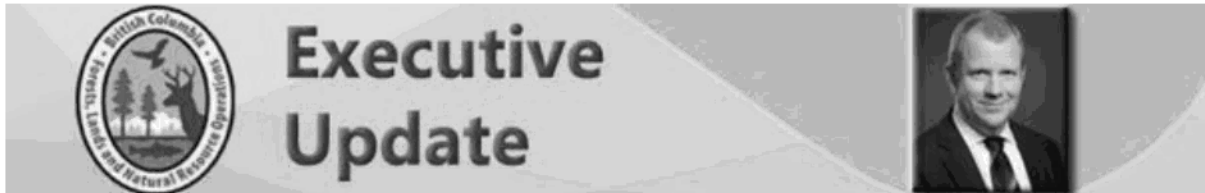
Status of mandate item – A working group has been formed with MEM and FLNRO to develop a Project Charter with a clarified scope of work, for Executive sign-off. A draft is under review by staff.

Dave Crebo  
Communications Director  
Ministry of Environment  
(250) 812-5747

**From:** Paradine, Dennis FLNR:EX  
**To:** White, Thomas ENV:EX; Tesch, David ENV:EX; McLachlan, Ian P AGRI:EX; Easton, Joan E AGRI:EX  
**Subject:** FW: FLNRO's Climate Leadership  
**Date:** June 8, 2016 1:22:07 PM  
**Attachments:** image001.png

---

**From:** Sheldon, Tim FLNR:EX  
**Sent:** Friday, June 3, 2016 1:56 PM  
**To:** FLNR All  
**Subject:** FLNRO's Climate Leadership



Good afternoon,

As many of you know, FLNRO has been working in partnership with other ministries and agencies to develop our understanding of how our changing climate is affecting natural resource management, and how to incorporate this understanding into our daily business. These goals are outlined in our [Climate Change Strategy \(2015 - 2020\)](#).

In addition to our ongoing work on climate change within the agency, over the past 6 months we have been very involved in supporting a broader process on developing the province's next Climate Leadership Plan (CLP). This process has included some extensive stakeholder engagement over the winter, as well as a great deal of internal discussion and engagement across ministries. Thanks to the considerable efforts made within the ministry over the past few years on our climate change strategy, we continue to be well positioned to support the CLP process. To find out more on this, please visit the [Climate Action Leadership website](#).

I would like to take this opportunity to specifically thank ministry staff, in particular the Climate Action Plan Community of Practice (CAP-CoP), for meeting the goals in both the Climate Change Strategy and achieving the ministry's internal performance measure of completion of 100% of Climate Action Plans and initiation of implementation on 80% of our plans. Twenty-two plans containing over 1200 actions were completed covering all areas of the ministry. This information has been invaluable for the ministry in responding to requests under both the government-wide Climate Leadership Plan and Pan-Canadian Framework on Climate Action processes.

Our ministry's work on integrating climate change considerations into our daily business has just begun. The ministry's Climate Change Steering Committee (CCSC) is currently reviewing the themes and actions presented in the plans and are working to integrate and prioritize actions. In the near future, we will be announcing a new climate change performance measure that addresses the change management that will be required to fulfil our goals.

As a next step in continuing FLNRO's leadership on climate change, we will be scheduling our annual CCSC meeting this coming July. This will be a key meeting in setting ourselves up for implementation of CAPs and ensuring alignment with CLP as appropriate. In addition, we are planning a face to face meeting for our CAP-CoP to support CAP implementation and create more opportunity for our CAP leads to engage with CCSC on paths forward.

Thank you and please keep up the good work on this important ministry and government priority.

Tim Sheldon

Deputy Minister

If you have feedback or questions on FLNRO's climate change work, please contact Dennis Paradine, Manager, Climate Solutions, Competiveness and Innovation Branch.





# Executive Update



**From:** [Sandland, James FLNR:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Question: FLNR CCSC  
**Date:** June 15, 2016 10:30:20 AM

---

Dave,

Just following up from our last NRS Adaptation face to face. We're planning a face to face meeting with our FLNR Climate Change Steering Cttee on July 5<sup>th</sup> and I thought it might be good to get you there for an hour or so to speak to water monitoring. It's a topic that's come up in a number of our FLNR Climate Action Plans and discussion at CCSC is intended to help organize and prioritize our adaptation asks in the fall to cabinet.

Thoughts? Any availability?

JS

*James Sandland*

Director, Competitiveness & Innovation Branch

Office: 250-953-3988

Mobile: 250-812-0473

*Multidisciplined*

*We explore the interplay*

*Nature and commerce*

Page 244 to/à Page 368

Withheld pursuant to/removed as

s.12;s.13

Page 001 to/à Page 477

Withheld pursuant to/removed as

s.12;s.13

Page 001 to/à Page 121

Withheld pursuant to/removed as

s.12;s.13

# **[Theme] Climate Action Plan Actions and Priorities**

**Presentation to Climate Change  
Steering Committee**

**[name]  
[Division] [ Branch]  
July 5, 2016**



## [Theme] Overview



## [Theme] Summary – Funded Actions





## [Theme] Summary – Unfunded Actions

Strategy / Action	Level of Risk Mitigated	Funding (\$, FTE)	Feasibility	Roles (HQ, regions)	Leverage Opportunity
s.13					



## [Theme] Priority Actions Proposed to Fund

Strategy/Action	Priority (urgent, high, medium , low, not a priority)	Know Enough to Take Action (yes, no but a likely priority - need more info for TB sub)	Rationale (for actions not a priority)
-----------------	---	--	--

s.13




## [Theme] Priority Actions: Summary

Action Group	Actions [ <i>Funding and FTE Estimate</i> ]
Planning & Program Development	s.13
Program Implementation	
Monitoring and Data	
Knowledge, training	
Education/Outreach/Communication	
Partnerships	

# (optional slide) [Theme] Priority Actions: [Planning & Program Development]

Know enough to take action: Priority

Action	Reasons for Priority	Funding Ask , FTE
--------	----------------------	-------------------

s.13

Do not know enough to take action: Likely Priority (more information needed prior to TB)

Action	Reasons for Priority	Funding Ask , FTE

Page 129 to/à Page 459

Withheld pursuant to/removed as

s.12;s.13

Page 001 to/à Page 015

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Hays-Byl, Winn ENV:EX](#); [Bi, William FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Cameron, Valerie Z FLNR:EX](#)  
**Subject:** RE: Climate Adaptation Fall 2016 Template - WATER  
**Date:** August 8, 2016 5:14:21 PM

---

Thank you Winn – I am in the process of integrating everything together now  
Dennis

---

**From:** Hays-Byl, Winn ENV:EX  
**Sent:** Monday, August 8, 2016 8:58 AM  
**To:** Paradine, Dennis FLNR:EX; Bi, William FLNR:EX  
**Cc:** Tesch, David ENV:EX; Davidson, Glen W FLNR:EX; Cameron, Valerie Z FLNR:EX  
**Subject:** Climate Adaptation Fall 2016 Template - WATER  
Hello Dennis and William,

On behalf of Glen Davidson and David Tesch, please find a first draft of the WATER chapter, attached.

s.12,s.13

Regards,  
Winn Hays-Byl  
Tel: 250-387-9385  
Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W. FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [O'Donoghue, Eamon G FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#)  
**Subject:** FIRST DRAFT FOR HIGH LEVEL REVIEW: FLNRO Climate Leadership Plan - Adaptation - Preparation for Fall Submission  
**Date:** August 11, 2016 4:57:59 PM  
**Attachments:** [Climate Adaptation NR 2016-08-11.docx](#)

---

Hi All,

Thanks for the input on the various chapters for the adaptation TB submission. Attached is the first compiled draft of the submission for your high-level review and comments.

s.12,s.13



If you could have your comments back to me by COB Monday, August 15, then I'll turn it around for broader review, including regional, by mid-next week.

Thanks!

Dennis

Page 019 to/à Page 068

Withheld pursuant to/removed as

s.12;s.13

**From:** [O'Donoghue, Eamon G FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#)  
**Subject:** RE: FIRST DRAFT FOR HIGH LEVEL REVIEW: FLNRO Climate Leadership Plan - Adaptation - Preparation for Fall Submission  
**Date:** August 17, 2016 5:48:25 PM  
**Attachments:** [Climate Adaptation NR 2016-08-11 EO"D Aug 17th.docx](#)

---

Dennis,

I've reviewed the sub. I do think there are lots of opportunity to shorten it and make it a bit more punchy. I've attached a series of comments and suggestions on editing it down. My key comments:

s.12,s.13

Hope this helps.

**Eamon O'Donoghue**

Regional Executive Director

**Skeena Region**

Forests, Lands and Natural Resource Operations

250-847-7495 (Work)

250-877-1087 (Mobile)

---

**From:** Paradine, Dennis FLNR:EX

**Sent:** Thursday, August 11, 2016 4:58 PM

**To:** Brunet, Elysia FLNR:EX; Tesch, David ENV:EX; Davidson, Glen W FLNR:EX; Nussbaum, Albert F FLNR:EX; Barber, Brian FLNR:EX; Grilz, Perry L FLNR:EX; Psyllakis, Jennifer FLNR:EX; Gawalko, Lyle ENV:EX; Chow, Brian FLNR:EX; Maley, Madeline L FLNR:EX; Hopkins, Kathy L FLNR:EX; Xu, Zach FLNR:EX; Bi, William FLNR:EX; Sandland, James FLNR:EX; Rasmussen, Paul FLNR:EX; O'Donoghue, Eamon G FLNR:EX; Bilodeau, Normand G FLNR:EX

**Cc:** Hunter, Charles FLNR:EX; Reese-Hansen, Lars FLNR:EX; Fletcher, Christine E FLNR:EX; Hays-Byl, Winn ENV:EX; MacLeod, Doug L FLNR:EX; Aharonian, Dave FLNR:EX

**Subject:** FIRST DRAFT FOR HIGH LEVEL REVIEW: FLNRO Climate Leadership Plan - Adaptation - Preparation for Fall Submission

Hi All,

Thanks for the input on the various chapters for the adaptation TB submission. Attached is the first compiled draft of the submission for your high-level review and comments.

s.12,s.13

s.12,s.13

If you could have your comments back to me by COB Monday, August 15, then I'll turn it around for broader review, including regional, by mid-next week.

Thanks!

Dennis

Page 072 to/à Page 122

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Jacobs, Murray CSNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Rowe, Katherine FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#)  
**Subject:** Draft TBSub Structural Review  
**Date:** August 19, 2016 3:56:15 PM  
**Attachments:** [Climate Adaptation NR 2016-08-19.docx](#)

---

Hi Murray,

As discussed on Monday, please find attached the first composite draft of the forthcoming FLNRO / ENV climate adaptation TB submission. At this time we are ready for or looking for a review of the content or financial information in the submission (approvals have not been received from within the Ministry and some sections will be updated once final economics, analytics, cross-checking and gap analysis is done). Instead, given the complexity and breadth of the subject matter, we would like direction on how to best structure the submission for eventual submission to Treasury Board.

Some questions:

s.12,s.13

Any advice that TBS / your office can provide would be most appreciated. Please note that comments in the document are for our own editing purposes and don't need addressing by TBS.

Thanks,

Dennis

s.22

– during this time Kathy Hopkins will be main contact for this file)



Dennis Paradine  
Manager, Climate Solutions  
British Columbia Ministry of Forests, Lands and Natural Resource Operations  
(250) 356-6230 (O) / (250) 889-6938 (C)  
*Multi-disciplined*  
*We explore the interplay*  
*Nature and commerce*



Page 125 to/à Page 182

Withheld pursuant to/removed as

s.12;s.13

**From:** [Jacobs, Murray CSNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#)  
**Cc:** [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Rowe, Katherine FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Graham, Mark CSNR:EX](#)  
**Subject:** RE: Draft TBSUB Structural Review  
**Date:** August 19, 2016 4:00:07 PM  
**Attachments:** [Climate Adaptation NR 2016-08-19.docx](#)

---

Hi Dennis,  
s.22

Murray

**Murray Jacobs** | Chief Financial Officer and Executive Director  
*Corporate Services for the Natural Resource Sector* | Phone: 250-387-4702

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, August 19, 2016 3:56 PM  
**To:** Jacobs, Murray CSNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX; Rowe, Katherine FLNR:EX; Xu, Zach FLNR:EX; Bi, William FLNR:EX  
**Subject:** Draft TBSUB Structural Review

Hi Murray,

As discussed on Monday, please find attached the first composite draft of the forthcoming FLNRO / ENV climate adaptation TB submission. At this time we are ready for or looking for a review of the content or financial information in the submission (approvals have not been received from within the Ministry and some sections will be updated once final economics, analytics, cross-checking and gap analysis is done). Instead, given the complexity and breadth of the subject matter, we would like direction on how to best structure the submission for eventual submission to Treasury Board.

Some questions:

s.12,s.13

Any advice that TBS / your office can provide would be most appreciated. Please note that comments in the document are for our own editing purposes and don't need addressing by TBS.

Thanks,

Dennis

(note that I'll be away Aug 22 to 26 – during this time Kathy Hopkins will be main contact for this file)



Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

Page 185 to/à Page 242

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#)  
**Subject:** FW: Draft TBSub Structural Review  
**Date:** August 19, 2016 4:03:25 PM  
**Attachments:** [Climate Adaptation NR 2016-08-19.docx](#)

---

Hi Everyone,

Please find attached the current 'live' version of the TB Submission, and below the e-mail questions that I sent the FLNRO CFO for sending along to TBS / our former TB analyst Mark Graham. All updated sections / language from sector leads has been included. Eamon – since your comments address structural issues, we'll need to await the reply from Mark Graham prior to addressing / reworking the document.

s.22

Dave Aharonian will be contacting sector leads to cross-check whether items in Ministry CAPs have been included in the sector sections (if we keep the sector approach, or alternatively the task approach) or instead should be in the CAP Implementation section, or excluded. If higher level questions arise, Kathy Hopkins will be back in the office and can help you out.

Cheers!

Dennis

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, August 19, 2016 3:56 PM  
**To:** Jacobs, Murray CSNR:EX  
**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX; Rowe, Katherine FLNR:EX; Xu, Zach FLNR:EX; Bi, William FLNR:EX  
**Subject:** Draft TBSub Structural Review

Hi Murray,

As discussed on Monday, please find attached the first composite draft of the forthcoming FLNRO / ENV climate adaptation TB submission. At this time we are ready for or looking for a review of the content or financial information in the submission (approvals have not been received from within the Ministry and some sections will be updated once final economics, analytics, cross-checking and gap analysis is done). Instead, given the complexity and breadth of the subject matter, we would like direction on how to best structure the submission for eventual submission to Treasury Board.

Some questions:

s.12,s.13

Any advice that TBS / your office can provide would be most appreciated. Please note that comments in the document are for our own editing purposes and don't need addressing by TBS.

Thanks,

Dennis

(note that I'll be away Aug 22 to 26 – during this time Kathy Hopkins will be main contact for this file)



Dennis Paradine

Manager, Climate Solutions

British Columbia Ministry of Forests, Lands and Natural Resource Operations

(250) 356-6230 (O) / (250) 889-6938 (C)

*Multi-disciplined*

*We explore the interplay*

*Nature and commerce*

Page 245 to/à Page 302

Withheld pursuant to/removed as

s.12;s.13

**From:** [Aharonian, Dave FLNR:EX](#)  
**To:** [Davidson, Glen W FLNR:EX](#); [Tesch, David ENV:EX](#)  
**Subject:** Cross-check of TB Submission - Water  
**Date:** August 24, 2016 9:27:34 AM  
**Attachments:** [CAP Actions 2016 Regions updated Aug 16 2016 Sorted for Leads.xlsx](#)  
[Climate Adaptation NR 2016-08-19.docx](#)

---

Hello David and Glen,

This note is a follow-up from Dennis Paradine's email last Friday. We are needing to cross-check the content of the Climate Adaptation TB sub to ensure that the "unfunded" items from the Ministry Climate Action Plans (CAPS) have been properly included in the TB submission.

Dennis sent a copy of the sub last Friday but I have also attached it as well. There is also a spreadsheet attached for your reference. It contains a list of all the unfunded items from the Ministry CAPs. I have sorted the items to match the current structure of the TB sub (see column N of the sheet). Within each sector there are items from a number of different ministry branches/regions. Can you please review and provide any comment if there appear to be items missing, or if there are items listed that really do not belong in the submission.

The specific Water section is on lines 248 – 304 of the spreadsheet.

If you want to review this with me please drop me a note/call and we can review this together – I realize there is a lot of information here.

Dennis is back next week and hopefully we can have this done for him then.

Thank you!

Dave

Dave Aharonian  
Policy Analyst – Climate Solutions  
Competitiveness and Innovation Branch  
Ministry of Forests, Lands and Natural Resource Operations  
Ph. 250-387-6445



Page 304 to/à Page 415

Withheld pursuant to/removed as

s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FYI - FW: Action required - Holdback Criteria - Due August 23  
**Date:** August 24, 2016 2:19:25 PM  
**Attachments:** [2016-17 Holdback Measure Commitment Table DRAFT - August 5 2016 \(2\) \(3\)-rdt kl.docx](#)

---

David – this is what I submitted – FYI.

---

**From:** Lewis, Kaaren ENV:EX  
**Sent:** Wednesday, August 24, 2016 2:19 PM  
**To:** Crozier, Bev ENV:EX  
**Cc:** Llewellyn-Thomas, Marnie ENV:EX; Barillaro, Scott W ENV:EX  
**Subject:** RE: Action required - Holdback Criteria - Due August 23

Bev

Please find attached my input on 3 of the measures.

Kaaren

---

**From:** Crozier, Bev ENV:EX  
**Sent:** Wednesday, August 24, 2016 11:23 AM  
**To:** Llewellyn-Thomas, Marnie ENV:EX; Lewis, Kaaren ENV:EX  
**Cc:** Crozier, Bev ENV:EX  
**Subject:** FW: Action required - Holdback Criteria - Due August 23

**Kaaren**

**Checking in on your input for this holdback measure assignment .. it was due in the DMO by end of day yesterday.**

**Thanks,  
Bev**

---

**From:** Crozier, Bev ENV:EX  
**Sent:** Friday, August 5, 2016 10:43 AM  
**To:** Cameron, Tara D ENV:EX; Jackson, Vickie ENV:EX; Loiacono, Sabrina EAO:EX; Murai, Launa Y ENV:EX; Lewis, Kaaren ENV:EX  
**Cc:** Barillaro, Scott W ENV:EX; Schultz, Fern ENV:EX; Llewellyn-Thomas, Marnie ENV:EX; Bev Crozier; Gooderham, Coleen E ENV:EX  
**Subject:** RE: Action required - Holdback Criteria - Due August 23

**To assist in your preparation of Measure #3, I have attached the template used last year with the 2015 Mandate Letter Key Priorities of Government loaded.**

**Please provide the commitments and target dates into this document and return to the DMO by the end of day Tuesday, August 23.**



**Beverley Crozier**  
Senior Executive Assistant to Wes Shoemaker  
Deputy Minister  
Ministry of Environment  
☎ 250-387-5429 | 📠 250-387-6003 |

---

**From:** Cameron, Tara D ENV:EX  
**Sent:** Thursday, August 4, 2016 3:58 PM  
**To:** Jackson, Vickie ENV:EX; Loiacono, Sabrina EAO:EX; Murai, Launa Y ENV:EX; Lewis, Kaaren ENV:EX  
**Cc:** Crozier, Bev ENV:EX; Barillaro, Scott W ENV:EX; Schultz, Fern ENV:EX; Llewellyn-Thomas, Marnie ENV:EX  
**Subject:** Action required - Holdback Criteria - Due August 23

Good afternoon, we have received the attached letter from Kim Henderson regarding the holdback criteria for 16/17. You will notice that Lean has been removed and succession planning has been added. Details on the succession planning action item (Measure #2) will be coming in early

September (with a due date of September 30), so no action is required at this time on that item.

s.13

s.13

Bev

will review them with Wes, finalize the list and send it in by the August 26<sup>th</sup> deadline.

Please let me know if you have any questions.

Thank you, Tara

Tara Cameron

Manager, Executive Operations

Deputy Minister's Office

Climate Leadership

250-356-9833 (office)

250-507-0124 (cell)

---

**From:** Crozier, Bev ENV:EX

**Sent:** Friday, July 29, 2016 10:48 AM

**To:** Standen, Jim ENV:EX; Zacharias, Mark ENV:EX; Lewis, Kaaren ENV:EX; Laaksonen-Craig, Susanna ENV:EX; Mihlar, Fazil ENV:EX; Jardine, Kevin EAO:EX; Carr, Michelle EAO:EX

**Cc:** Cameron, Tara D ENV:EX; Barillaro, Scott W ENV:EX; Crozier, Bev ENV:EX

**Subject:** FW: Correspondence

**FYI – we will be sending out this assignment once we have received the template.**

**Thank you,**

**Bev**

---

**From:** Olson, Alisha PREM:EX

**Sent:** Friday, July 29, 2016 10:00 AM

**To:** BCPSA Agency DMC List

**Cc:** BCPSA Agency DMC Admin & Operational Support

**Subject:** Correspondence

*Good morning,*

*Please see the attached memorandum sent on behalf of Deputy Minister Kim Henderson.*

*Thank you,*

*Alisha Olson*

*Executive Administrative Coordinator to Kim Henderson and Bobbi Plecas*

*Deputy Minister's Office | Office of the Premier*

*Direct: 250 356-2206 Mobile: 250 415-7040*

*E-mail: [Alisha.Olson@gov.bc.ca](mailto:Alisha.Olson@gov.bc.ca)*

Page 418 to/à Page 420

Withheld pursuant to/removed as

s.12;s.13

**From:** [Loski, Carol FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#); [Hadway, Sharon L FLNR:EX](#); [Wiles, Ian G FLNR:EX](#); [Vince, Karrilyn M FLNR:EX](#); [Foord, Vanessa N FLNR:EX](#); [Pedersen, Mike FLNR:EX](#); [Tunnoch, Chris FLNR:EX](#); [Quayle, James F ENV:EX](#); [MacDougall, Gerry L FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#)  
**Subject:** RE: SECOND DRAFT FOR REVIEW BY SEPT 16 FLNRO (AND ENV) Climate Leadership Plan - Adaptation - Preparation for Fall Submission  
**Date:** September 9, 2016 5:20:41 PM  
**Attachments:** [TB Two p- fire-Sept8-2016 - cjl.docx](#)

---

Good afternoon, please find attached an updated version of the BCWS submission to replace the previously attached version.

---

**From:** Paradine, Dennis FLNR:EX  
**Sent:** Friday, September 9, 2016 5:13 PM  
**To:** [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#); [Hadway, Sharon L FLNR:EX](#); [Wiles, Ian G FLNR:EX](#); [Vince, Karrilyn M FLNR:EX](#); [Foord, Vanessa N FLNR:EX](#); [Pedersen, Mike FLNR:EX](#); [Tunnoch, Chris FLNR:EX](#); [Quayle, James F ENV:EX](#); [MacDougall, Gerry L FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#); [Loski, Carol FLNR:EX](#)  
**Subject:** SECOND DRAFT FOR REVIEW BY SEPT 16 FLNRO (AND ENV) Climate Leadership Plan - Adaptation - Preparation for Fall Submission

Hi Everyone,

Thanks for your support and patience while we integrated in both the TBS comments on how to make the submission more manageable (see below), comments on the first draft, and updates to various sector proposals.

s.12,s.13

Thanks especially to Kathy Hopkins for coordinating the re-write of the 2-pagers!

Dennis

---

**From:** Graham, Mark CSNR:EX

**Sent:** Tuesday, August 23, 2016 2:18 PM

**To:** Jacobs, Murray CSNR:EX; Paradine, Dennis FLNR:EX

**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX; Rowe, Katherine FLNR:EX; Xu, Zach FLNR:EX; Bi, William FLNR:EX

**Subject:** RE: Draft TBSUB Structural Review

Hi Kathy – thanks for the conversation today on the adaptation sub.

Just to summarize where we landed:

s.12,s.13

As discussed, I would advise not repeating the TB sub template for the appendices on each area- just a summary discussion/tables should suffice.

Cheers and let me know if you need anything else or I missed anything– looking forward to seeing the next iteration!

Mark

Page 423 to/à Page 425

Withheld pursuant to/removed as

s.12;s.13

**From:** [Loski, Carol FLNR:EX](#)  
**To:** [Paradine, Dennis FLNR:EX](#); [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L EMBC:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#); [Hadway, Sharon L FLNR:EX](#); [Wiles, Ian G FLNR:EX](#); [Vince, Karrilyn M FLNR:EX](#); [Foord, Vanessa N FLNR:EX](#); [Pedersen, Mike FLNR:EX](#); [Tunnoch, Chris FLNR:EX](#); [Quayle, James F ENV:EX](#); [MacDougall, Gerry L FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hold - 170922 - Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#)  
**Subject:** Re: SECOND DRAFT FOR REVIEW BY SEPT 16 FLNRO (AND ENV) Climate Leadership Plan - Adaptation - Preparation for Fall Submission  
**Date:** September 9, 2016 9:55:47 PM  
**Attachments:** [TB Two p- fire-Sept8-2016 - cjl.docx](#)

---

My apologies for the duplicate email. This attachment includes a clean version. Regards, Carol

---

**From:** Loski, Carol FLNR:EX  
**Sent:** September-09-16 5:20 PM  
**To:** [Paradine, Dennis FLNR:EX](#); [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#); [Hadway, Sharon L FLNR:EX](#); [Wiles, Ian G FLNR:EX](#); [Vince, Karrilyn M FLNR:EX](#); [Foord, Vanessa N FLNR:EX](#); [Pedersen, Mike FLNR:EX](#); [Tunnoch, Chris FLNR:EX](#); [Quayle, James F ENV:EX](#); [MacDougall, Gerry L FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#)  
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**To:** [O'Donoghue, Eamon G FLNR:EX](#); [Brunet, Elysia FLNR:EX](#); [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#); [Nussbaum, Albert F FLNR:EX](#); [Barber, Brian FLNR:EX](#); [Grilz, Perry L FLNR:EX](#); [Psyllakis, Jennifer FLNR:EX](#); [Gawalko, Lyle ENV:EX](#); [Chow, Brian FLNR:EX](#); [Maley, Madeline L FLNR:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#); [Sandland, James FLNR:EX](#); [Rasmussen, Paul FLNR:EX](#); [Bilodeau, Normand G FLNR:EX](#); [Hadway, Sharon L FLNR:EX](#); [Wiles, Ian G FLNR:EX](#); [Vince, Karrilyn M FLNR:EX](#); [Foord, Vanessa N FLNR:EX](#); [Pedersen, Mike FLNR:EX](#); [Tunnoch, Chris FLNR:EX](#); [Quayle, James F ENV:EX](#); [MacDougall, Gerry L FLNR:EX](#)  
**Cc:** [Hunter, Charles FLNR:EX](#); [Reese-Hansen, Lars FLNR:EX](#); [Fletcher, Christine E FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#); [MacLeod, Doug L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Davis, Jennifer C FLNR:EX](#); [Nicholls, Diane R FLNR:EX](#); [Loski, Carol FLNR:EX](#)  
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Hi Everyone,  
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make the submission more manageable (see below), comments on the first draft, and updates to various sector proposals.

**s.12,s.13**

Thanks especially to Kathy Hopkins for coordinating the re-write of the 2-pagers!

Dennis

---

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**Sent:** Tuesday, August 23, 2016 2:18 PM

**To:** Jacobs, Murray CSNR:EX; Paradine, Dennis FLNR:EX

**Cc:** Sandland, James FLNR:EX; Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX; Rowe, Katherine FLNR:EX; Xu, Zach FLNR:EX; Bi, William FLNR:EX

**Subject:** RE: Draft TBSub Structural Review

Hi Kathy – thanks for the conversation today on the adaptation sub.

Just to summarize where we landed:

**s.12,s.13**

As discussed, I would advise not repeating the TB sub template for the appendices on each area- just a summary discussion/tables should suffice.

Cheers and let me know if you need anything else or I missed anything– looking forward to seeing the next iteration!

Mark

Page 429 to/à Page 431

Withheld pursuant to/removed as

s.12;s.13

**From:** [Hays-Byl, Winn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Re: Climate Monitoring Networks CLP TB Sub  
**Date:** September 14, 2016 4:07:53 PM

---

Ok I'll work to this timeline.

Sent from my iPhone

On Sep 14, 2016, at 4:04 PM, Tesch, David ENV:EX <[David.Tesch@gov.bc.ca](mailto:David.Tesch@gov.bc.ca)> wrote:

Depends on when you have things pulled together. I have no time available Friday afternoon. And given the volume of meetings I've had this week, I need to guard my time Friday morning to get other priorities addressed.  
If you have something by 11:30am on Friday, then perhaps we can meet for 15-30 minutes from 11:30-12:00 to go over it. Otherwise email will have to do and we can try and meet Monday to discuss any editorial ideas we have.

---

**From:** Hays-Byl, Winn ENV:EX  
**Sent:** Wednesday, September 14, 2016 3:59 PM  
**To:** Tesch, David ENV:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** RE: Climate Monitoring Networks CLP TB Sub

Yes, will do. Do you want to meet on Friday to review any of this together, or just the electronic doc via email?

Regards,  
Winn Hays-Byl  
Tel: 250-387-9385  
Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, September 14, 2016 3:56 PM  
**To:** Hays-Byl, Winn ENV:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** Climate Monitoring Networks CLP TB Sub  
Hi Winn and Jennifer,  
s.12,s.13

Regards,  
D.

**From:** [Hays-Byl, Winn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Maxwell, Jennifer A ENV:EX](#)  
**Subject:** RE: Climate Monitoring Networks CLP TB Sub  
**Date:** September 15, 2016 10:56:02 PM  
**Attachments:** [TB Climate Related Monitoring Networks 20160914.docx](#)

---

Attached, as requested, please find a draft of the TB sub for Climate-related Monitoring Networks.  
s.12,s.13

Regards,  
Winn Hays-Byl  
Tel: 250-387-9385  
Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, September 14, 2016 4:05 PM  
**To:** Hays-Byl, Winn ENV:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** RE: Climate Monitoring Networks CLP TB Sub  
Depends on when you have things pulled together. I have no time available Friday afternoon. And given the volume of meetings I've had this week, I need to guard my time Friday morning to get other priorities addressed.  
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**Sent:** Wednesday, September 14, 2016 3:59 PM  
**To:** Tesch, David ENV:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** RE: Climate Monitoring Networks CLP TB Sub  
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Regards,  
Winn Hays-Byl  
Tel: 250-387-9385  
Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

---

**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, September 14, 2016 3:56 PM  
**To:** Hays-Byl, Winn ENV:EX; Maxwell, Jennifer A ENV:EX  
**Subject:** Climate Monitoring Networks CLP TB Sub  
Hi Winn and Jennifer,  
s.12,s.13

s.12,s.13

Regards,  
D.

Page 436 to/à Page 443

Withheld pursuant to/removed as

s.12;s.13



**From:** [Hays-Byl, Winn ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#); [Maxwell, Jennifer A ENV:EX](#)  
**Subject:** Options in TBSUB Climate Networks  
**Date:** September 17, 2016 1:30:07 PM  
**Attachments:** [TB Climate Related Monitoring Networks 20160914 v1.docx](#)  
**Importance:** High

---

Hi David and Jennifer,

I've recalculated all costs for the three options, and realized that salary costs were not factored into the totals of the spreadsheets even though they were listed in the details.

So, I've updated all three options to include salary costs.

s.12,s.13

Once the desired option is specified, I can further refine the Pros and Cons bullets that accompany it.

Regards,

Winn Hays-Byl

Tel: 250-387-9385

Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

Page 445 to/à Page 454

Withheld pursuant to/removed as

s.12;s.13

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [McLachlan, Ian P AGRI:EX](#); [White, Thomas ENV:EX](#); [Easton, Joan E AGRI:EX](#); [Lennox, Brenda AGRI:EX](#); [Sandland, James FLNR:EX](#); [Tesch, David ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Hays-Byl, Winn ENV:EX](#)  
**Cc:** [Haycroft, Carly AGRI:EX](#)  
**Subject:** RE: Actions: NRS coordination call Sept 14  
**Date:** September 17, 2016 2:26:25 PM

---

Thanks for carrying this meeting Ian.

For #2, the TB Sub is not yet ready for ADM review – it is in regional review, so any presentation upwards would have to indicate that the document is preliminary and will / is being modified. Given the number of ADMs involved, it is particularly important that all ADMs are advised at the same time with the same version, and that no-one is caught surprised. We can provide to Thomas, for sure, but under the above provisos (Kathy please do so with the next full set of 2-pagers – hard for me to make sure that I get the version control right from Crawford Bay)

Timing is TBD. Diane has asked us to be ready in case the ask for a final sub comes in quickly from above. Could be anytime from end of September to early December.

Dennis

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**From:** McLachlan, Ian P AGRI:EX  
**Sent:** Wednesday, September 14, 2016 5:42 PM  
**To:** White, Thomas ENV:EX; Paradine, Dennis FLNR:EX; Easton, Joan E AGRI:EX; Lennox, Brenda AGRI:EX; Sandland, James FLNR:EX; Tesch, David ENV:EX; Hopkins, Kathy L FLNR:EX; Hays-Byl, Winn ENV:EX  
**Cc:** Haycroft, Carly AGRI:EX  
**Subject:** Actions: NRS coordination call Sept 14  
Hi everyone

Here are the action items I noted in our call:

1. Thomas has the final PCF Adaptation WG report and will circulate it to us, along with a table he is developing with options for how BC could respond/implement the actions in the report (comments on the table requested).
2. Kathy will check to see if it is OK to share the FLNRO draft TB Sub (requested by Thomas – he needs the info to brief up and to facilitate interagency coordination, e.g. with EMBC re proposal on LIDAR)
3. FLNRO and MOE to find out from their exec re timing of mandate letter TB subs and executive expectations/direction re NRS coordination.

Note: PCF working groups have submitted their reports. There is general national consensus on the adaptation proposals. Next steps for PCF are shown below with approximate dates (could change).

Cheers, Ian

September 16	CCME Deputies meeting in Montreal (FPT)
September 20	Deputy Ministers' Working Group on Climate Leadership meeting (B.C.)
Late September	Minister briefings, including those not on the Cabinet Working Group on Climate Leadership (B.C.)
Late September	Cabinet Working Group on Climate Leadership (B.C.)
October 3	CCME meeting (FPT)
November	First Ministers' meeting (FPT)

**From:** [Paradine, Dennis FLNR:EX](#)  
**To:** [Hays-Byl, Winn ENV:EX](#); [Hopkins, Kathy L FLNR:EX](#); [Aharonian, Dave FLNR:EX](#); [Xu, Zach FLNR:EX](#); [Bi, William FLNR:EX](#)  
**Cc:** [Tesch, David ENV:EX](#); [Davidson, Glen W FLNR:EX](#)  
**Subject:** RE: Revised water 2 pager  
**Date:** September 17, 2016 2:47:01 PM  
**Attachments:** [TB Two p- WaterSept7-2016-ca wjb v2.docx](#)

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Thanks Winn

Kathy / team – could you please incorporate these modifications.

Dennis

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**From:** Hays-Byl, Winn ENV:EX  
**Sent:** Saturday, September 17, 2016 1:36 PM  
**To:** Hopkins, Kathy L FLNR:EX; Paradine, Dennis FLNR:EX  
**Cc:** Tesch, David ENV:EX; Davidson, Glen W FLNR:EX  
**Subject:** Revised water 2 pager  
**Importance:** High

Hi Kathy and Dennis,

Upon reviewing calculations and totals for the water appendix, I realized that the salary costs were not included in the total costs for each option (even though they were itemized in the spreadsheets for each option). I've updated the costs for each of the three options to include salary. Please use this revised 2 pager to replace the previous one. My apologies for this oversight; and hopefully still sufficient time to adjust overall costs in TBsub.

Regards,

Winn Hays-Byl

Tel: 250-387-9385

Email: [winn.haysbyl@gov.bc.ca](mailto:winn.haysbyl@gov.bc.ca)

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s.12;s.13

**From:** [Lewis, Kaaren ENV:EX](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** FW: Draft TB Sub for Climate Monitoring Networks  
**Date:** September 22, 2016 3:09:02 AM  
**Attachments:** [TB Climate Related Monitoring Networks 20160920 v3.docx](#)

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Dave,

I've inserted comments in the attached. Its really good work – my comments are all suggestions for improving the packaging.

Kaaren

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**From:** Tesch, David ENV:EX  
**Sent:** Wednesday, September 21, 2016 4:58 PM  
**To:** Lewis, Kaaren ENV:EX  
**Subject:** Draft TB Sub for Climate Monitoring Networks  
Hi Kaaren,  
s.12,s.13

Here is a copy of that draft material for you to review.

Regards,

D.

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s.12;s.13

**From:** [David Tesch](#)  
**To:** [Tesch, David ENV:EX](#)  
**Subject:** Edits for Speaking Notes to Slide 10.  
**Date:** February 18, 2016 2:40:56 PM

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s.12,s.13



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BRITISH  
COLUMBIA

July 30, 2015

Honourable Mary Polak  
Minister of Environment  
Parliament Buildings  
Victoria, British Columbia  
V8V 1X4

Dear Minister:

On behalf of the people of British Columbia, I would like to thank you for the contributions made by you and your ministry over the past 12 months to make our province stronger.

You have been part of a government that has continued to deliver on the promises we made in our election platform, Strong Economy, Secure Tomorrow during the past 24 months. Balancing the budget for a third time, having our triple A credit rating confirmed and re-confirmed as stable by Moody's Investors Service, and continuing to support the growth of a diverse economy are all accomplishments of which we collectively and you individually can be rightly proud.

I am very pleased to note that you and each of your colleagues were again able to live within your voted legislative budgets. The people of our province elect us to work on their behalf—to control spending.

Living within our means is demonstrating our respect for the people of our province and the tax dollars they send to Victoria. By keeping government lean and reducing the cost of administration, we can make significant investments in people and the infrastructure on which they depend to succeed in a strong and growing economy.

As a result of our strong fiscal position, we have been able to provide new assistance to single parents as they return to the workforce, greater income exemptions for single parents on income assistance and continued record investments in funding for public health care, education and transportation—services on which families depend.

Our government is resolute in our desire to grow the economy as a way to enable more British Columbians to participate in the economy and obtain meaningful, family-supporting work. The work your ministry does each and every day to contribute to these efforts are noticed and valued.

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Office of the  
Premier

Mailing Address:  
World Trade Centre  
740 - 999 Canada Place  
Vancouver BC V6C 3E1

In particular, I would like to congratulate you and your ministry for:

- Your efforts to ensure prompt clean-up following the bunker fuel spill by the Marathassa bulk carrier in English Bay
- Your continued efforts on protecting British Columbia from potential oil spills with your work on our provincial land-based spill policy development
- Your efforts following the collapse of the Mount Polley tailings pond facility

As you know, the annual mandate letter you receive is designed to be an ongoing workplan for your ministry that is updated on an annual basis. You will undoubtedly notice some changes since last June.

Your mandate for the following year is as follows:

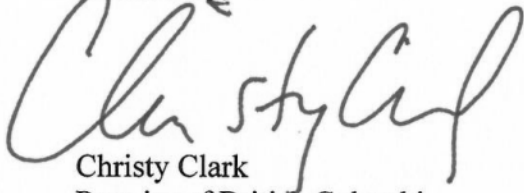
1. Balance your ministerial budget in order to control spending and achieve an overall balanced budget for the province of British Columbia.
2. Work with Emergency Management British Columbia and federal government agencies to review and make recommendations to Cabinet ways to improve oil spill safety and response following the Simushir power failure on the North Coast and Marathassa bunker fuel spill in English Bay.
3. Work with the members of the Climate Leadership Team and develop options for Cabinet on how to move forward with our new Climate Leadership Plan, the BC government's next generation of climate policy leadership.
4. With the Premier's Office, prepare for and position British Columbia to make a meaningful contribution prior to attending the United Nations Climate Change Conference COP 21 in Paris this winter.
5. Working with the Ministry of Forests, Lands and Natural Resource Operations, undertake an analysis of the impact of lower snowpacks and retreating glaciers on the forests of British Columbia and make recommendations to cabinet on strategies to protect our forests from any impacts of climate change.
6. Work with the Ministry of Energy and Mines and Ministry of Forests, Lands and Natural Resource Operations to provide options to Cabinet on a wildlife access corridor in southeast British Columbia.
7. Complete the land-based heavy oil spill response studies and consultations and make recommendations to Cabinet on how to ensure our spill response regime requirements are consistent with the Premier's Five Conditions.

8. Monitor the progress and participate in the Kinder Morgan Trans Mountain Pipeline expansion environmental review conducted by the federal National Energy Board.
9. Work with Parliamentary Secretary Jordan Sturdy and his Roundtable on the Environment and Economy to promote environmentally responsible economic development in British Columbia.

In addition, as discussed and approved by Cabinet, our government is committed to ensuring British Columbia government services are easily accessed by our citizens and businesses. Minister Coralee Oakes will be leading this initiative on my behalf and over the following 12 months she will be reaching out to all ministries to assist in reducing unnecessary red tape and regulation.

It is hard to believe but it has been two years since the people of British Columbia put their faith in us to lead their province. We have accomplished much in those two years, but much work remains to deliver the promise of a strong economy and secure tomorrow for our citizens. I look forward to working with you over the coming year.

Yours truly,



Christy Clark  
Premier of British Columbia

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