

## RE: RNNR Study on economic recovery in the forestry sector - request for additional information

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From: Nicholls, Diane R FLNR:EX  
s.15  
To: ~Natural Resources/Ressources naturelles  
Sent: December 9, 2020 4:08:06 PM PST  
Attachments: image004.jpg, image005.jpg, image001.jpg

What we are looking to do in BC is ensure that forest management transitions from site by site management to a larger scale of the landscape first, then site by site. This allows for planning at the landscape level to have a wholistic view for values such as biodiversity, stocking levels, wildlife corridors, wildfire mitigations, Indigenous peoples interests, etc.

A healthy resilient forest needs to be variable but represent what can grow in the long term given climate changes to the ecosystems. Stagnant reserves that are set aside from sound forest management may service values for some time, but over time, ecosystems change and the values may no longer exist where the reserves were established. We are seeing this in BC where certain medicinal plants important to First Nations are no longer in the traditional areas, but migrating naturally to new areas where the ecosystems are right for their establishment and growth.

Also natural disturbances light fire, drought, flood can affect stagnant reserves and then the values are in jeopardy if you are not managing for the values in any other way such as utilizing forest management as a tool for achieving variability and the mosaic of ecosystems needed to for long sustainability of forests and forest values.

I hope this clarifies things.

**Diane Nicholls, RPF**

Assistant Deputy Minister, Chief Forester

BC Provincial Government

*"Caring for BC's Forests"*

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**From:** ~Natural Resources/Ressources naturelles  
**Sent:** December 8, 2020 9:38 AM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Begon, Stacey FLNR:EX ; ~Natural Resources/Ressources naturelles  
**Subject:** RNNR Study on economic recovery in the forestry sector - request for additional information

**[EXTERNAL] This email came from an external source. Only open attachments or links that you are expecting from a known sender.**

Hello Ms. Nicholls,

Thank you for appearing yesterday to take part in the Natural Resource Committee's study on economic recovery in the forestry sector. I just wanted to follow up regarding your mention of updating the forest management regime and the mosaic of forest that is required to allow for greater biodiversity.

Could you kindly send me more information on that so that I may forward it on to the committee members?

Many thanks,

Hilary Jane Powell



Committee Clerk / Greffière de comité  
Standing Committee on Natural Resources / Comité permanent des ressources naturelles  
Committees Directorate / Direction des comités  
House of Commons / Chambre des communes

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Latest Committee tweets at #RNNR / Derniers gazouillies du Comité au #RNNR

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Withheld pursuant to/removed as

s.12

**Table 1: CPAS Phase 1 Action Plan - Proposed Initiatives funded by 2021/22 Budget Request**

Initiative	Total Operational	# FTEs	Mandate Letter Alignment	Mandate Letter
<b>Agriculture, Food and Fisheries</b>				
Program development for B.C. agricultural water infrastructure (including water storage): needs assessments, design scoping, engagement and outreach.	s.17		Lead work to protect clean water	AFF ENV FLNRORD
For B.C. fisheries and aquaculture, conduct a needs assessment for climate risks and vulnerabilities.			Develop provincial coastal strategy	AFF ENV
Enhanced agriculture weather monitoring network: planning, development, and engagement.				
<b>Total AFF</b>				
<b>Attorney General – BC Housing</b>				
Research, design and pilot a provincial Extreme Heat and Wildfire Smoke (EHWS) response plan for the most vulnerable populations. (Focusing on people who are, or are at risk of, homelessness and Women fleeing violence).			Reduce wildfire risk, support communities to prepare	FLNRORD PSSG
<b>Total BC Housing</b>				
<b>Public Safety and Solicitor General – Emergency Management BC</b>				
Scoping study to develop a risk-based approach in line with the Sendai Framework to guide the prioritization of climate-related risks and to support disaster risk reduction and recovery.			Work with communities to identify gaps in and future-proof emergency response	PSSG
Scoping a new funding program targeting disaster risk reduction and climate adaptation to help prepare and protect British Columbians from the impacts of a changing climate.			Work with communities to identify gaps in and future-proof emergency response	PSSG
Regional Resilience and Collaboration on Adaptation and Disaster Risk Reduction: Scoping and engagement with key partner groups to develop program to assist communities in interpreting and using the data in completing risk assessments, adaptation and disaster risk reduction plans, and to facilitate regional collaboration and facilitate peer to peer mentoring and sharing between communities.				
<b>Total EMBC</b>				

<b>Energy, Mines and Low Carbon Innovation</b>		
Engagement with industry to understand climate change risks and identification of key decision points where adaptation can be inserted.	s.17	
<b>Total EMLI</b>	<b>0</b>	
<b>Environment and Climate Change Strategy</b>		
Climate Ready Public Sector: research, program and policy development for climate resilient buildings.	Build and modernize hospitals across BC	HLTH
Scoping and program design for building climate resilience in partnership with Indigenous Governments, communities and organizations	Lasting reconciliation mandate for all Ministries	All
Work with partners to identify and address barriers to using nature-based solutions for climate adaptation and mitigation.		
Explore ways to protect and preserve cultural heritage resources in a changing climate, including working with the First Peoples Cultural Council on a program to better understand climate change impacts on cultural resources.	Support for Indigenous cultural preservation and revitalization	MIRR
Scoping and program design for a Community Climate Resilience Program with Indigenous communities, friendship centres, local governments and non-profit organizations that is place-based, equity informed, and youth driven.	Address equity and anti-racism, review all decisions through a GBA+ lens	All
Research and pilot projects to identify and prioritize species and ecosystems that are vulnerable to climate change to describe options for maintaining biodiversity.	Protecting shared wildlife and shared habitat corridors and implementing Together for Wildlife Strategy	ENV FLNRORD
1. In collaboration with academic partners, build our understanding of climate change impacts on our protected ecosystems and explore new approaches to manage these through our BC Parks Living Labs Program. 2. Complete a scoping assessment to better understand the impacts of climate change on infrastructure and operations. This initial phase of work would identify priority actions and develop a plan to help ensure the agency is well supported in mitigating the impacts of climate change and extreme events.	1. Protecting shared wildlife and shared habitat corridors and implementing Together for Wildlife Strategy. 2. Create new campgrounds, trails & protected areas	ENV FLNRORD

Support and implement modernized databases for climate, water quality, hydrometric and water chemistry data. Development of reporting applications to support climate adaptation reporting. Support and expand hydrometric monitoring in response to increased demands with climate change, including the development of safety and technical training programs and materials.	s.17		
Assess risks to water quality in priority watersheds to inform how we manage water resources at/in proximity to contaminated sites in a changing climate.		Lead work to protect clean water	AFF ENV FLNRORD
<b>Total ENV</b>			
<b>Forests, Lands, Natural Resource Operations and Rural Development</b>			
Develop options to improve the province's ability to respect Indigenous knowledge in decision-making, policy, and climate adaptation.		Lasting reconciliation mandate for all Ministries	All
1. Engagement and scoping of a Provincial Floodplain mapping program in collaboration with other levels of government. 2. Additional River Forecast Centre staff capacity to meet evolving needs for operational flood and drought forecasts in a changing climate.			
BC Flood Strategy: Strategy completion, program development and implementation planning.			
Develop climate adaptation guidance and support tools for decision makers, develop climate data and science resources, initiate work on ecosystem forecasting and reflecting climate change in the BEC system and continue development of the Climate Change Informed Species Selection Tool. Work on integrating climate adaptation into modernization of land use planning in BC. Build on existing work to assess main climate change drivers and vulnerabilities for coastal communities/economies.		Update and modernize forest policy and legislation; plant more trees to improve forest health and industry health. Develop and implement land use policies that supports economic activity, environmental sustainability, and Indigenous reconciliation	FLNRORD
Investigation and evaluation of geomorphological hazards and resource road infrastructure impacts due to climate change.			
Creation of communication materials plans and engagement to increase public preparedness and understanding of wildfire risk.		Reduce wildfire risk, support communities to prepare	FLNRORD PSSG

Regional Resilience and Collaboration on Adaptation and Disaster Risk Reduction: User needs assessment and rapid prototyping to develop a pilot hub site to inform scoping for a provincially scalable solution that brings together climate adaptation and disaster risk reduction data for use by local and Indigenous governments.	s.17	
<b>Total FLNRORD</b>		
<b>Health</b>		
Develop and implement a stakeholder and consultation strategy to establish a health system vulnerability assessment framework. Assess priority infrastructure requiring upgrades to address climate change.	Build and modernize hospitals across BC	HLTH
<b>Total HLTH</b>		
<b>Municipal Affairs</b>		
Design of a small infrastructure funding program for communities to engage on smaller planning projects around infrastructure climate resiliency.		
Regional Resilience and Collaboration on Adaptation and Disaster Risk Reduction: Scoping and engagement with key partner groups to develop program to assist communities in interpreting and using the data in completing risk assessments, adaptation and disaster risk reduction plans, and to facilitate regional collaboration and facilitate peer to peer mentoring and sharing between communities.		
<b>Total MUNI</b>		
<b>Social Development and Poverty Reduction</b>		
Engage Indigenous and community partners, organizations, and stakeholders to inform cross-government efforts to improve food security within the context of climate adaptation strategies. Co-led with HLTH	Increase food security	AGRI SDPR
<b>Total SDPR</b>		
<b>Transportation and Infrastructure</b>		
Culvert Climate Adaptation Program: Identification of high-risk culverts through GIS mapping around the province.		
<b>Total TRAN</b>		
<b>GRAND TOTAL</b>		

## CLIMATE PREPAREDNESS & ADAPTATION STRATEGY

### Vision: B.C. is Prepared for the Impacts of the Changing Climate

Even if global GHG emission targets are met, the climate is changing. Serious impacts to B.C.'s economy, natural environment and communities are inevitable.

The BC Government is committed to implementing a Climate Preparedness and Adaptation Strategy to prepare B.C. for these changes and take advantage of any opportunities they may present.

The Strategy was developed collaboratively with Indigenous peoples and Ministries as well as feedback from British Columbians. It presents a set of phased-in actions that are fiscally responsible, measured, and scalable.

The goals and actions in the CPAS advance key government priorities.

## CLIMATE PREPAREDNESS & ADAPTATION STRATEGY GOALS



### GOAL 1: Strengthen Foundations:

Improve our understanding of the changing climate and how it will influence our lives

- Require consideration of climate risks in provincial decision-making.
- Continue to partner with Indigenous governments to plan for a resilient future together.
- Expand climate, streamflow, snow and ecosystems monitoring to improve climate data and modelling.



### GOAL 2: Enhance Community Climate Resilience:

Support communities to plan and build for the future

- Implement a Provincial Flood Risk Strategy and Floodplain Mapping Program.
- Address climate risks in health service delivery.
- Facilitate regional climate adaptation and disaster planning and action.



### GOAL 3: Foster Ecosystem Resilience:

Support species & habitats to adapt and change with the changing climate

- Develop an ocean acidification action plan to protect marine life and enhance coastal economies.
- Replace and upgrade provincial park infrastructure for climate change and extreme weather.
- Pilot water supply and demand management plans for drought prone watersheds.



### GOAL 4: Advance a Climate-ready Economy & Infrastructure:

Help B.C. businesses address the risks of climate change and climate-proof BC jobs

- Upgrade highway and resource road infrastructure that is vulnerable to climate change impacts.
- Work with industry sectors (e.g., tourism) to mitigate climate risks and capitalize on opportunities.
- Invest in water infrastructure to secure water resources for agricultural production and food security.

#### Indigenous Reconciliation

- Developed through broad engagement with Indigenous peoples and collaboration with Indigenous advisory groups
- Aligned with UN Declaration on the Rights of Indigenous Peoples
- Strong potential to address issues important to Indigenous peoples

#### Supports Government Priorities & Mandate Commitments

- CleanBC & Climate Risk Assessment
- *Emergency Program Act* modernization
- Modernized Land Use Policy
- Old Growth Protection
- Food Security
- Protect marine life and habitats
- Watershed Security Strategy
- Provincial Coastal Strategy

#### Cross-Government Collaboration

- Supports multiple mandate commitments across Ministries
- Supports Foundational Principles of Reconciliation, Equity and Anti-Racism, Climate Change, and a Strong Economy

Government Priorities	The strategy advances the priority by
COVID-19 Economic Recovery	Supporting programs that <b>employ youth, women, Indigenous peoples</b> and other populations impacted by COVID-19 to deliver equity-informed community climate resilience programs, protect and restore ecosystems, and assess and manage climate impacts to Indigenous cultural heritage resources.
Lasting and Meaningful Reconciliation	A range of actions to bring the changing climate into <b>relationships between the Province and Indigenous governments</b> , including through planning together, respectful use of Indigenous knowledge, delivery of capacity building and funding programs and protecting Indigenous cultural heritage in a changing climate.
Biodiversity, Wildlife and Old Growth Protection, and New Land Use Policy	Integrating <b>climate change knowledge</b> into the stewardship and management of species, ecosystems, and natural resources.
Equity and Anti-Racism	Enhancing climate resilience for everyone in B.C., regardless of where and how they live, by integrating equity considerations into climate adaptation responses.
Watershed Security Strategy	Piloting development of water supply and demand management plans for watersheds where climate change is likely to result in greater water scarcity.
Provincial Coastal Strategy	Developing an ocean acidification action plan which includes research to understand the impacts and working with partners to strengthen marine economies and ecosystems
Improved Parks Infrastructure	Addressing climate impacts to parks and protected areas including on cultural heritage sites, trails, campgrounds and infrastructure.
Food Security	Enhancing food security by investing in water infrastructure and supporting on-farm adaptation.  In partnership with Indigenous communities and organizations operating food programs, develop a B.C. food security plan addressing household food security, security of food supply, food distribution in times of crisis, Indigenous food sovereignty and access to traditional food sources in a changing climate.
A Strong, Sustainable Economy	Working with business and industry, including Indigenous enterprises, tourism, small businesses, industry sectors and labour organizations to address climate risks and climate-proof jobs.  Continuing to support a resilient forest economy through integration of climate change mitigation and adaptation measures such as climate change-informed tree species selection and management, stand and landscape management, and harvesting strategies.
Updating emergency procedures and infrastructure / EPA modernization	Implementing a flood risk strategy and floodplain mapping program; expanding the use of cultural and prescribed burning; and building climate resilience into community planning, disaster risk management and recovery.
Wildfire	Partnering with Indigenous and non-Indigenous communities to expand the use of cultural and prescribed burning to reduce wildfire risks, create resilient natural ecosystems and preserve cultural practices.
Modernizing BC Schools/Hospitals	Implementing the Climate Resilient Public Sector Buildings program to ensure schools, hospitals and other public buildings are designed and built to withstand future climate conditions
Public Health	Working with health authorities to address climate risks in health service delivery.
Net Zero and Nature Based Solutions to Climate Change	Promoting and enhancing the use of nature-based solutions for strengthening community and ecosystem resilience and managing climate-related hazards, such as extreme heat and flooding.



## FW: Materials for January 28 - ADM CPAS Outreach meeting

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From: Pike, Shannon FLNR:EX <Shannon.Pike@gov.bc.ca>  
To: Groves, Rebecca FLNR:EX  
Sent: January 27, 2021 3:17:46 PM PST  
Attachments: ADM Jan 28 2021 CPAS Briefings.pptx, Attachment 1 - CPAS Placemat - DM briefings.pdf, Attachment 2 - CPAS Phase 1 Action Plan 2021-22 budget request.docx

For Thomas tomorrow.

S.

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**From:** Nicholls, Diane R FLNR:EX  
**Sent:** January 27, 2021 3:00 PM  
**To:** Pike, Shannon FLNR:EX ; White, Thomas FLNR:EX ; McKenzie, Leith FLNR:EX  
**Subject:** Fwd: Materials for January 28 - ADM CPAS Outreach meeting

Sent from my iPhone

Begin forwarded message:

**From:** "Morton, Anna ENV:EX" <Anna.Morton@gov.bc.ca>  
**Date:** January 26, 2021 at 10:31:55 AM PST  
**To:** "Lalani, Arif AGRI:EX" <Arif.Lalani@gov.bc.ca>, "Peterson, Dave EMBC:EX" <Dave.Peterson@gov.bc.ca>, "Mack, James ENV:EX" <James.Mack@gov.bc.ca>, "Muter, David FLNR:EX" <David.Muter@gov.bc.ca>, "Nicholls, Diane R FLNR:EX" <Diane.Nicholls@gov.bc.ca>, "Faganello, Tara MAH:EX" <Tara.Faganello@gov.bc.ca>, "Standen, Jim ENV:EX" <Jim.Standen@gov.bc.ca>, "MacLaren, Les EMLI:EX" <Les.MacLaren@gov.bc.ca>, "McGuire, Jennifer AGRI:EX" <Jennifer.Mcguire@gov.bc.ca>, "Danks, Anthony ENV:EX" <Anthony.Danks@gov.bc.ca>  
**Cc:** "Hewlett, Jennifer ENV:EX" <Jennifer.Hewlett@gov.bc.ca>, "Moran, Jennifer ENV:EX" <Jennifer.L.Moran@gov.bc.ca>, "Janes, Darci EMLI:EX" <Darci.Janes@gov.bc.ca>, "Zachary, Dawnae AGRI:EX" <Dawnae.Zachary@gov.bc.ca>, "Herie, Beth EMBC:EX" <Beth.Herie@gov.bc.ca>, "Pike, Shannon FLNR:EX" <Shannon.Pike@gov.bc.ca>, "Llewellyn-Thomas, Marnie ENV:EX" <Marnie.LlewellynThomas@gov.bc.ca>, "Larkin, Brenda FLNR:EX" <Brenda.Larkin@gov.bc.ca>, "Wilkins, Christina MAH:EX" <Christina.Wilkins@gov.bc.ca>, "Klingspohn, Teresa ENV:EX" <Teresa.Klingspohn@gov.bc.ca>, "Norton, Chris AGRI:EX" <Chris.Norton@gov.bc.ca>, "Gilliland, Lori K ENV:EX" <Lori.Gilliland@gov.bc.ca>, "Riddell, Archie ENV:EX" <Archie.Riddell@gov.bc.ca>, "Neale, Tina ENV:EX" <Tina.Neale@gov.bc.ca>  
**Subject:** Materials for January 28 - ADM CPAS Outreach meeting

Good morning,

Please see the attached materials for Thursday's ADM CPAS Outreach meeting.

Thank you,

Anna

**Anna Morton**

A/Executive Administrative Assistant

Climate Action Secretariat | Ministry of Environment and Climate Change Strategy

Phone: 778-974-2749 | Mobile: 778-679-3234

Email: [Anna.Morton@gov.bc.ca](mailto:Anna.Morton@gov.bc.ca)

## BRIEFING NOTE FOR INFORMATION

**DATE:** January 25, 2021

**PREPARED FOR:** John Allan, Deputy Minister, Ministry of Forests, Lands, Natural Resource Operations and Rural Development

**ISSUE:** Meeting with CAS ADM, Jeremy Hewitt, and ENV DM, Kevin Jardine, to discuss Climate Preparedness and Adaptation Strategy public release and funding

### BACKGROUND:

- The 2018 CleanBC Plan committed government to release a Climate Preparedness and Adaptation Strategy (CPAS) in 2020. The Ministry of Environment and Climate Change Strategy (ENV), Climate Action Secretariat (CAS) is accountable for developing the strategy.
- This commitment was re-confirmed as a government priority in the Minister of ENV's mandate letter, building on previous public commitments including the 2020 Speech from the Throne and StrongerBC.
- The Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) staff are participating in an Inter-Agency Working Group and Executive Director Steering Committee to inform the development of the strategy.
- The Climate Change and Integrated Planning Branch (CCIPB), in the Office of the Chief Forester (OCF) continues to play a coordinating role within the ministry to ensure alignment across the ministry.

### DISCUSSION:

s.12; s.13; s.17

Attachment 1 provides an overview of the strategy. Attachment 2 details the funding and FTE allocations for CPAS Phase 1, and indicates which actions are most likely to go forward with planning, scoping, or pilot projects in 2021/22. s.12; s.13; s.17

s.12; s.13; s.17

### NEXT STEPS:

- s.12; s.13; s.17
-



- In the coming months, CAS will be working with ministry partners to develop a position to present to the federal government for partnership funding on climate adaptation.

**Attachment(s):** Attachment 1 – CPAS Placemat - DM briefings  
Attachment 2 – CPAS Phase 1 Action Plan 2021-22 budget request

**PREPARED BY:**

Hayley O'Neil  
Policy Analyst  
Climate Change and Integrated  
Planning Branch  
(778)-974-5889

**REVIEWED BY:**

	Initials	Date
DM	JA	2021.01.29
ADM	DN	Jan 29, 2021
Director	TW	Jan 28, 2021
Policy Analyst	HCLO	Jan 25, 2021

## FW: Answers: Materials fyi re: CPAS

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From : Nicholls, Diane R FLNR:EX  
s.15  
To: Dohan, Trish CSNR:EX  
Cc: Sit, Vera FLNR:EX, Kortum, Melissa CSNR:EX, Walker, Mark CSNR:EX  
Sent: February 11, 2021 4:05:49 PM PST

Answers below

**Diane Nicholls, RPF**

Assistant Deputy Minister, Chief Forester  
BC Provincial Government  
*"Caring for BC's Forests"*

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**From:** McKenzie, Leith FLNR:EX  
**Sent:** February 11, 2021 3:38 PM  
**To:** Nicholls, Diane R FLNR:EX  
**Cc:** Pike, Shannon FLNR:EX  
**Subject:** Answers: Materials fyi re: CPAS  
Hi Diane,

According to our Policy Analyst, Hayley O'Neil, CAS has been working closely with the CCIPB Climate Adaptation team to develop both CPAS and the TB sub. Apparently, the first TB sub started with a much larger ask and was not moved forward. The next iteration is scaled back to s.17 for this year and includes s.17 for FLNRORD to hire auxiliaries and support the first year work for the following priority projects:

- Pilot initiatives to improve the Province's ability to respect **Indigenous knowledge** in decision-making, policy and climate adaptation.
- Deliver case studies or small initiatives that build on work to integrate climate adaptation into the modernization of **land use planning** in BC
- Create **communication materials and engagement plans** to increase public preparedness and understanding of **wildfire risk**.
- Increase River Forecast Centre staff capacity to meet evolving needs for **operational flood and drought forecasts** in a changing climate.
- Complete the **B.C. Flood Strategy**, program development and implementation plan.
- Engage on and scope a **Provincial Floodplain mapping** program in collaboration with other levels of government.
- Undertake engagement with key partner groups to scope a program to help communities interpret and use data to **complete risk assessments, adaptation and disaster risk reduction plans**.
- Conduct a user needs assessment and rapid prototyping to develop a **pilot hub site to inform scoping for a provincially scalable solution that brings together natural hazard, climate adaptation and disaster risk reduction data and information for use by local and Indigenous governments**.

According to Tina Neale Director from CAS....  
s.12; s.13; s.17

I have included bullets in red below to answer questions posed by Trish and Melissa. I hope that helps. Let me know if you have other questions or I can be of further assistance.

Thanks,

Leith

Leith McKenzie, RPF

A/Director Climate Change and Integrated Planning Branch  
Office of the Chief Forester

*Caring for BC's Forests*

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**From:** Nicholls, Diane R FLNR:EX <[Diane.Nicholls@gov.bc.ca](mailto:Diane.Nicholls@gov.bc.ca)>  
**Sent:** February 11, 2021 12:09 PM  
**To:** McKenzie, Leith FLNR:EX <[Leith.McKenzie@gov.bc.ca](mailto:Leith.McKenzie@gov.bc.ca)>

**Subject:** FW: Materials fyi re: CPAS

**Importance:** High

Leith

Can you answer these questions below please - asap

**Diane Nicholls, RPF**

Assistant Deputy Minister, Chief Forester

BC Provincial Government

*"Caring for BC's Forests"*

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**From:** Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)>

**Sent:** February 11, 2021 11:14 AM

**To:** Nicholls, Diane R FLNR:EX <[Diane.Nicholls@gov.bc.ca](mailto:Diane.Nicholls@gov.bc.ca)>

**Cc:** Pike, Shannon FLNR:EX <[Shannon.Pike@gov.bc.ca](mailto:Shannon.Pike@gov.bc.ca)>; Kortum, Melissa CSNR:EX <[Melissa.Kortum@gov.bc.ca](mailto:Melissa.Kortum@gov.bc.ca)>; Walker, Mark CSNR:EX <[Mark.Walker@gov.bc.ca](mailto:Mark.Walker@gov.bc.ca)>

**Subject:** Re: Materials fyi re: CPAS

Further to my email below, overall I think this plan makes sense and seems to focus on the right pieces for our ministry.

I've a few more detailed questions:

1. Are we aware that TBS is receptive to this size of ask for budget 21? I'm not looped into the direction provided to ENV but I'm happy to check back into tbs if that piece is unclear.

- CAS has been working closely with their TB Analyst for several months while developing the TB Sub. Previous iterations of the 2021/22 TB Sub were revised based on feedback from the ENV CFO and TB, so it is likely that TB is aware of the \$1.7M request already.

2. I'm not sure what funding assumptions have been built into the numbers or whether Csnr ENV staff involved. Either way, depending on funding received we will need to assess OH costs associated with these activities and FTES.

- Costing for all proposed FTEs was determined with the assistance of CSNR. FTE costs include salary, an additional \$1.7M for benefits, plus \$1.7M in overhead.
- Most proposed actions also have a portion of the requested funding allocated to "Operations" which is intended to cover overhead, travel, training etc

Trish

On Feb 2, 2021, at 11:46 AM, Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)> wrote:

Hi Diane, I'm still looking at this but thought I would confirm that OCF is involved and also what other groups in FLNRD, (reg ops etc.) including Coast and RSD especially around flood plain mapping.

Thx

Trish

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**From:** Kortum, Melissa CSNR:EX <[Melissa.Kortum@gov.bc.ca](mailto:Melissa.Kortum@gov.bc.ca)>

**Sent:** February 1, 2021 10:34 AM

**To:** Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)>; Walker, Mark CSNR:EX <[Mark.Walker@gov.bc.ca](mailto:Mark.Walker@gov.bc.ca)>

**Cc:** Parkinson, Carolyn FLNR:EX <[Carolyn.Parkinson@gov.bc.ca](mailto:Carolyn.Parkinson@gov.bc.ca)>

**Subject:** RE: Materials fyi re: CPAS

Good morning,

Generally, the phased approach makes sense with a relatively small \$1.7M ask for 2021/22. Phase 1 (2021/22) focuses on program and pilot development with phase 2 (2022/23) focusing on implementation.

Total FLNR funding for 2021/22 is \$1.7M for a variety of deliverables including flood plain mapping as well as to develop climate adaptation guidance. Do you know if OCF had a chance to review and provide input on the \$ and FTE?

- Yes OCF is involved, and has been working closely with staff across FLNRD to refine the proposed actions and provide details/actions/costing/justification for the TB Sub
- OCF (CCIPB) has been working with staff in Water Management, Range (invasive species), Engineering, GeoBC, Heritage and Mountain Resorts,

Rural Policy and Programs, BC Wildfire Service, and across branches within OCF to support CPAS development

- Actions related to a Coast strategy and modernizing land use planning were recently added to CPAS phase 1

Thanks for sharing.

M

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**From:** Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)>

**Sent:** February 1, 2021 9:53 AM

**To:** Walker, Mark CSNR:EX <[Mark.Walker@gov.bc.ca](mailto:Mark.Walker@gov.bc.ca)>; Kortum, Melissa CSNR:EX <[Melissa.Kortum@gov.bc.ca](mailto:Melissa.Kortum@gov.bc.ca)>

**Cc:** Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)>; Parkinson, Carolyn FLNR:EX <[Carolyn.Parkinson@gov.bc.ca](mailto:Carolyn.Parkinson@gov.bc.ca)>

**Subject:** FW: Materials fyi re: CPAS

Hi there, I haven't read this yet but will. I will send comments prior to Feb. 12 DM meeting.

Let me know if this resonates with you. Thx

Trish

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**From:** Pike, Shannon FLNR:EX <[Shannon.Pike@gov.bc.ca](mailto:Shannon.Pike@gov.bc.ca)>

**Sent:** January 29, 2021 2:38 PM

**To:** Dohan, Trish CSNR:EX <[Trish.Dohan@gov.bc.ca](mailto:Trish.Dohan@gov.bc.ca)>; Muter, David FLNR:EX <[David.Muter@gov.bc.ca](mailto:David.Muter@gov.bc.ca)>

**Cc:** Parkinson, Carolyn FLNR:EX <[Carolyn.Parkinson@gov.bc.ca](mailto:Carolyn.Parkinson@gov.bc.ca)>; Larkin, Brenda FLNR:EX <[Brenda.Larkin@gov.bc.ca](mailto:Brenda.Larkin@gov.bc.ca)>

**Subject:** Materials fyi re: CPAS

Hello Trish and David. Please see the attached materials fyi that have been shared with John regarding a discussion that will take place on Feb 12 with MOE and including other DMs.

Thanks so much.

Shannon

## **FW: For Action: Letter to federal ministers re. partnership on climate adaptation**

From: Nicholls, Diane R FLNR:EX  
s.15  
To: McKenzie, Leith FLNR:EX, Hughes, Kate FLNR:EX  
Sent: February 17, 2021 11:17:26 AM PST  
Attachments: 20201126 - CPAS Federal Funding - Action Plan PPT (draft4).pptx,  
Draft\_Letter\_Adaptation\_MGH\_MJW\_Draft 7.docx

Please review and comment to ensure that FLNR is part of this and clearly stated given this is being sent to Minister o'Regan as well as wilkinson

**Diane Nicholls, RPF**

Assistant Deputy Minister, Chief Forester  
BC Provincial Government  
*"Caring for BC's Forests"*

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**From:** Messenger, Meggin A FLNR:EX  
**Sent:** February 17, 2021 10:38 AM  
**To:** Nicholls, Diane R FLNR:EX  
**Subject:** FW: For Action: Letter to federal ministers re. partnership on climate adaptation  
fyi

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**From:** Neale, Tina ENV:EX <[Tina.Neale@gov.bc.ca](mailto:Tina.Neale@gov.bc.ca)>  
**Sent:** February 16, 2021 5:22 PM  
**To:** Back, Theodore ENV:EX <[Theodore.Back@gov.bc.ca](mailto:Theodore.Back@gov.bc.ca)>; Ray, Rachelle TAC:EX <[Rachelle.Ray@gov.bc.ca](mailto:Rachelle.Ray@gov.bc.ca)>; Forge, Kathryn EMBC:EX <[Kathryn.Forge@gov.bc.ca](mailto:Kathryn.Forge@gov.bc.ca)>; Brooks, Jessica MAH:EX <[Jessica.Brooks@gov.bc.ca](mailto:Jessica.Brooks@gov.bc.ca)>; Filmer, Cam A IRR:EX <[Cam.Filmer@gov.bc.ca](mailto:Cam.Filmer@gov.bc.ca)>; Messenger, Meggin A FLNR:EX <[Meggin.Messenger@gov.bc.ca](mailto:Meggin.Messenger@gov.bc.ca)>; Csicsai, Peter IRR:EX <[Peter.Csicsai@gov.bc.ca](mailto:Peter.Csicsai@gov.bc.ca)>; Riddell, Archie ENV:EX <[Archie.Riddell@gov.bc.ca](mailto:Archie.Riddell@gov.bc.ca)>; Olthuis, Katie ENV:EX <[Katie.Olthuis@gov.bc.ca](mailto:Katie.Olthuis@gov.bc.ca)>; Borowko, Whitney SDPR:EX <[Whitney.Borowko@gov.bc.ca](mailto:Whitney.Borowko@gov.bc.ca)>; Canitz, Shelley L AGRI:EX <[Shelley.Canitz@gov.bc.ca](mailto:Shelley.Canitz@gov.bc.ca)>; Fraser, Brian CSNR:EX <[Brian.Fraser@gov.bc.ca](mailto:Brian.Fraser@gov.bc.ca)>; Meier, Ian R FLNR:EX <[Ian.Meier@gov.bc.ca](mailto:Ian.Meier@gov.bc.ca)>; Portal, Vincent TAC:EX <[Vincent.Portal@gov.bc.ca](mailto:Vincent.Portal@gov.bc.ca)>; Sterloff, Trish HLTH:EX <[Trish.Sterloff@gov.bc.ca](mailto:Trish.Sterloff@gov.bc.ca)>; John, Rebecca FIN:EX <[Rebecca.John@gov.bc.ca](mailto:Rebecca.John@gov.bc.ca)>; Danks, Anthony ENV:EX <[Anthony.Danks@gov.bc.ca](mailto:Anthony.Danks@gov.bc.ca)>; Rainforth, Kelly A AGRI:EX <[Kelly.Rainforth@gov.bc.ca](mailto:Kelly.Rainforth@gov.bc.ca)>; Little, Andrew TAC:EX <[Andrew.Little@gov.bc.ca](mailto:Andrew.Little@gov.bc.ca)>; Bedford, Brian MAH:EX <[Brian.Bedford@gov.bc.ca](mailto:Brian.Bedford@gov.bc.ca)>; Marr, David TRAN:EX <[David.Marr@gov.bc.ca](mailto:David.Marr@gov.bc.ca)>; Hughes, Kate FLNR:EX <[Kate.Hughes@gov.bc.ca](mailto:Kate.Hughes@gov.bc.ca)>; Plante, Laura FLNR:EX <[Laura.Plante@gov.bc.ca](mailto:Laura.Plante@gov.bc.ca)>; Sigurdson, Judi IGRS:EX <[Judi.Sigurdson@gov.bc.ca](mailto:Judi.Sigurdson@gov.bc.ca)>  
**Cc:** Knox, Graham G AGRI:EX <[Graham.Knox@gov.bc.ca](mailto:Graham.Knox@gov.bc.ca)>; Mattock, Amber TAC:EX <[Amber.Mattock@gov.bc.ca](mailto:Amber.Mattock@gov.bc.ca)>; Cross, Elaine ENV:EX <[Elaine.Cross@gov.bc.ca](mailto:Elaine.Cross@gov.bc.ca)>; Murata, Brian FIN:EX <[Brian.Murata@gov.bc.ca](mailto:Brian.Murata@gov.bc.ca)>; Loski, Carol FLNR:EX <[Carol.Loski@gov.bc.ca](mailto:Carol.Loski@gov.bc.ca)>; Copage, Caitlin ENV:EX <[Caitlin.Copage@gov.bc.ca](mailto:Caitlin.Copage@gov.bc.ca)>; Paquin, Lisa C ENV:EX <[Lisa.Paquin@gov.bc.ca](mailto:Lisa.Paquin@gov.bc.ca)>

**Subject:** For Action: Letter to federal ministers re. partnership on climate adaptation

Good afternoon, ED Steering Committee and IGR colleagues,

The Climate Action Secretariat has drafted the attached letter for Minister Heyman to send to his federal colleagues to open discussions on a provincial-federal partnership on climate adaptation. The letter is addressed to the federal ministers who are responsible for delivering the National Adaptation Strategy, as per the January 21, 2021 federal supplemental mandate letters (Jonathan Wilkinson, Seamus O'Regan, Bill Blair, Catherine McKenna). We have identified three areas for discussion:

1. developing a bilateral funding partnership between the Government of Canada and the Government of B.C. to support B.C.'s climate adaptation initiatives;
2. placing reconciliation and Indigenous-led development of priorities and programming at the centre of the approach; and
3. identifying areas where additional integration and coordination between our governments will bolster our resilience across B.C. communities, sectors, and ecosystems.

We are keenly interested in ensuring this letter and the ensuing discussions are coordinated with our ministry partners and, where there are opportunities, reinforce messaging across F/P touch points. We welcome your input and feedback on the letter including any additional content on F/P program coordination and integration that would benefit climate adaptation. As we did with CleanBC, our goal is to present a strong federal/provincial partnership on climate adaptation when the Climate Preparedness and Adaptation Strategy is released next year.

Our request:

- **Please share this letter with the appropriate IGR contacts in your ministry** to ensure they are aware of this initiative and can provide input and advice regarding coordination. Note that I have included IGR contacts where I had them – thanks to those who provided that information.
- Review the letter and **respond with your input/feedback by EOD Feb. 22<sup>nd</sup>**.

Thank you very much for your continued collaboration! Please reach out if you have any questions. I would be happy to schedule a follow-up conversation.

Tina

Tina Neale

Director, Climate Risk Management

Climate Action Secretariat

Ministry of Environment and Climate Change Strategy

Phone: 778-698-7315

*I respectfully acknowledge the Lekwungen People, known today as the Esquimalt and Songhees Nations, and all the Indigenous Peoples of British Columbia, on whose territories I am grateful to work, live and grow.*



## FW: DMOC Update - Disaster Mitigation Funding Programs

From: Nicholls, Diane R FLNR:EX  
s.15  
To: Muter, David FLNR:EX, McKenzie, Leith FLNR:EX, Manwaring, Richard G FLNR:EX  
Sent: February 25, 2021 1:59:28 PM PST  
Attachments: image001.png, Project List - NDMP Intake 6.docx, Project List - CEPF Structural Mitigation - 2020 Intake.docx, Proposal List - ARDM - confidential.xlsx, image002.png

fyi

**Diane Nicholls, RPF**

Assistant Deputy Minister, Chief Forester  
BC Provincial Government  
*"Caring for BC's Forests"*

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**From:** Giles, Andrew EMBC:EX <[Andrew.Giles@gov.bc.ca](mailto:Andrew.Giles@gov.bc.ca)>

**Sent:** February 16, 2021 3:59 PM

**To:** Forge, Kathryn EMBC:EX <[Kathryn.Forge@gov.bc.ca](mailto:Kathryn.Forge@gov.bc.ca)>; Craig, Ken EMBC:EX <[Ken.Craig@gov.bc.ca](mailto:Ken.Craig@gov.bc.ca)>; Iwama, Julia EMBC:EX <[Julia.Iwama@gov.bc.ca](mailto:Julia.Iwama@gov.bc.ca)>; Peterson, Dave EMBC:EX <[Dave.Peterson@gov.bc.ca](mailto:Dave.Peterson@gov.bc.ca)>; White, Ted T FLNR:EX <[Ted.White@gov.bc.ca](mailto:Ted.White@gov.bc.ca)>; Prendergast, Peter L TRAN:EX <[Peter.Prendergast@gov.bc.ca](mailto:Peter.Prendergast@gov.bc.ca)>; Ludwar, Kenedee TRAN:EX <[Kenedee.Ludwar@gov.bc.ca](mailto:Kenedee.Ludwar@gov.bc.ca)>; Bedford, Brian MAH:EX <[Brian.Bedford@gov.bc.ca](mailto:Brian.Bedford@gov.bc.ca)>; Broad, Amanda ENV:EX <[Amanda.Broad@gov.bc.ca](mailto:Amanda.Broad@gov.bc.ca)>; Brooks, Jessica MAH:EX <[Jessica.Brooks@gov.bc.ca](mailto:Jessica.Brooks@gov.bc.ca)>; Edquist, Kevin FLNR:EX <[Kevin.Edquist@gov.bc.ca](mailto:Kevin.Edquist@gov.bc.ca)>; Filmer, Cam A IRR:EX <[Cam.Filmer@gov.bc.ca](mailto:Cam.Filmer@gov.bc.ca)>; Haberl, Kevin J FLNR:EX <[Kevin.Haberl@gov.bc.ca](mailto:Kevin.Haberl@gov.bc.ca)>; Hahn, Mitchell FLNR:EX <[Mitchell.Hahn@gov.bc.ca](mailto:Mitchell.Hahn@gov.bc.ca)>; Hlasny, Brad FLNR:EX <[Brad.Hlasny@gov.bc.ca](mailto:Brad.Hlasny@gov.bc.ca)>; Lewis, Cameron F EMBC:EX <[Cameron.Lewis@gov.bc.ca](mailto:Cameron.Lewis@gov.bc.ca)>; Liesch, Nancy FLNR:EX <[Nancy.Liesch@gov.bc.ca](mailto:Nancy.Liesch@gov.bc.ca)>; Loski, Carol FLNR:EX <[Carol.Loski@gov.bc.ca](mailto:Carol.Loski@gov.bc.ca)>; Meier, Ian R FLNR:EX <[Ian.Meier@gov.bc.ca](mailto:Ian.Meier@gov.bc.ca)>; Messenger, Meggin A FLNR:EX <[Meggin.Messenger@gov.bc.ca](mailto:Meggin.Messenger@gov.bc.ca)>; Miska, Ed TRAN:EX <[Ed.Miska@gov.bc.ca](mailto:Ed.Miska@gov.bc.ca)>; Mounteney, Renee FIN:EX <[Renee.Mounteney@gov.bc.ca](mailto:Renee.Mounteney@gov.bc.ca)>; Myers, Mary E FLNR:EX <[Mary.Myers@gov.bc.ca](mailto:Mary.Myers@gov.bc.ca)>; Neale, Tina ENV:EX <[Tina.Neale@gov.bc.ca](mailto:Tina.Neale@gov.bc.ca)>; Nicol, Lee A MAH:EX <[Lee.Nicol@gov.bc.ca](mailto:Lee.Nicol@gov.bc.ca)>; O'Neil, Hayley FLNR:EX <[Hayley.ONeil@gov.bc.ca](mailto:Hayley.ONeil@gov.bc.ca)>; Pilkington, Ian TRAN:EX <[Ian.Pilkington@gov.bc.ca](mailto:Ian.Pilkington@gov.bc.ca)>; Plante, Laura FLNR:EX <[Laura.Plante@gov.bc.ca](mailto:Laura.Plante@gov.bc.ca)>; Raymond, Mark AGRI:EX <[Mark.Raymond@gov.bc.ca](mailto:Mark.Raymond@gov.bc.ca)>; Riddell, Archie ENV:EX <[Archie.Riddell@gov.bc.ca](mailto:Archie.Riddell@gov.bc.ca)>; Roman, George FLNR:EX <[George.Roman@gov.bc.ca](mailto:George.Roman@gov.bc.ca)>; Schweitzer, Rob W FLNR:EX <[Rob.Schweitzer@gov.bc.ca](mailto:Rob.Schweitzer@gov.bc.ca)>; Shah, Jesal FLNR:EX <[Jesal.Shah@gov.bc.ca](mailto:Jesal.Shah@gov.bc.ca)>; Tudhope, Dave R MAH:EX <[Dave.Tudhope@gov.bc.ca](mailto:Dave.Tudhope@gov.bc.ca)>

**Cc:** Herie, Beth EMBC:EX <[Beth.Herie@gov.bc.ca](mailto:Beth.Herie@gov.bc.ca)>; Fernandes, Ruth EMBC:EX <[Ruth.Fernandes@gov.bc.ca](mailto:Ruth.Fernandes@gov.bc.ca)>; Brown, Debra M EMBC:EX <[Debra.M.Brown@gov.bc.ca](mailto:Debra.M.Brown@gov.bc.ca)>; Iwama, Julia EMBC:EX <[Julia.Iwama@gov.bc.ca](mailto:Julia.Iwama@gov.bc.ca)>

**Subject:** DMOC Update - Disaster Mitigation Funding Programs

*For INFORMATION*

Hello Disaster Mitigation Oversight Committee (DMOC) members,  
EMBC is coordinating proposal evaluations for several major flood mitigation funding programs with provincial funding.

For your information, please see the attached spreadsheets for lists of recent proposals under the following programs:

1. National Disaster Mitigation Program (NDMP) – flood risk assessment, mapping and mitigation planning
  - 25 proposals submitted to Public Safety Canada for Intake 6 approval, total project value: \$11.2M
2. Community Emergency Preparedness Fund (CEPF) – administered by UBCM
  - Structural Flood Mitigation (\$750K) – 12 projects approved. Additional 7 projects pending additional funding.
  - Evacuation Route Planning – 28 projects (\$1.1M) being announced by UBCM shortly.
  - Flood risk assessment, mapping and mitigation planning – intake closes Feb 26
3. Adaptation, Resilience and Disaster Mitigation (ARDM) program
  - 65 proposals currently under evaluation totaling \$154M, for this \$56.25M intake.
  - Target: project list submission to Infrastructure Canada March 5.

If you have any comment on any particular projects that may overlap your interests, please let us know. We welcome your feedback on projects, process or programs!

For more information on disaster mitigation funding programs in BC, please see:  
[www.gov.bc.ca/disastermitigationfunding](http://www.gov.bc.ca/disastermitigationfunding).

Also of note, UBCM has just launched the FireSmart Economic Recovery Fund, intake closing March 19. Funded by FLNRORD, this program supports immediate FireSmart-related job creation while building wildfire resilience at the local level (up to \$150K each).

Cheers,

**Andrew Giles, M. Env. Studies | PMP**

Director – Disaster Mitigation

Planning and Risk Reduction Unit

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*Acknowledging the W̱SÁNEĆ and Lekwungen-speaking peoples, whose traditional territory I am grateful to work, live and grow on.*

*Follow PreparedBC*



## BRIEFING NOTE FOR INFORMATION

**DATE:** February 25, 2021

**PREPARED FOR:** John Allan, Deputy Minister, Forests, Lands, Natural Resource Operations and Rural Development

**ISSUE:** New Direction for the BC Climate Preparedness and Adaptation Strategy and Ministry Implications

### BACKGROUND:

- The 2018 CleanBC Plan committed government to release a Climate Preparedness and Adaptation Strategy (CPAS) in 2020. The Ministry of Environment and Climate Change Strategy (ENV), Climate Action Secretariat (CAS) is accountable for developing the strategy.
- The Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) staff are participating in an Inter-Agency Working Group and Executive Director Steering Committee to inform development of the strategy and to ensure ministry priorities and mandates are represented.
- The Climate Change and Integrated Planning Branch (CCIPB), in the Office of the Chief Forester (OCF) plays a coordinating role within the ministry to ensure alignment across the ministry and with related programs and proposals led by other ministries.
- FLNRORD and other ministries across government have proposed a series of actions to support CPAS development. FLNRORD is the lead agency for implementation of a range of proposed actions.
- FLNRORD actions were presented to ministry ADMs in September 2020. ADM and Chief Forester Diane Nicholls has been kept informed of CPAS progress.
- CAS was beginning a Cabinet approval process for the CPAS before the writ of election was issued in fall 2020. The delay due to interregnum and current government focus on COVID-19 response and economic recovery prompted CAS to seek new direction on timing to finalize and publicly release the CPAS.
- As directed by the Minister of ENV, a draft version of CPAS will be released in spring 2021 for public engagement. The draft includes short term commitments to be implemented in 2021/22 (Phase 1), as well as longer term commitments for 2022-2025 (Phase 2).
- CAS developed a CleanBC Treasury Board submission requesting modest funding of \$7M for the 2021/22 budget process to support implementation of CPAS Phase 1. \$2.7M of this seed money is allocated to FLNRORD for program development, scoping, and pilot projects.
- Over the past year, CCIPB has also been working to update the ministry climate change strategy for 2021-2025 to align with CPAS and communicate to staff and the public that preparing for a changing climate is a ministry priority. Completion and release are expected in spring 2021.

### DISCUSSION:

Over the next several years, FLNRORD will be expected to take on new responsibilities to support CPAS implementation. New responsibilities will be shared across FLNRORD divisions and regions. FLNRORD will be accountable for delivering on CPAS commitments and reporting progress to CAS as part of the annual Climate Change Accountability Report.

Additional responsibilities that will be placed on FLNRORD, to implement CPAS, have the potential to strain existing resources, including staff and funding at the branch and regional level. To ensure

adequate resourcing to support CPAS implementation, CCIPB has been working closely with staff across the ministry to develop a proposed resourcing package of s.17 per year and s.17 new FTEs. Due to the CPAS delays outlined above, the plan is for CAS to develop a Treasury Board submission for this resourcing package as part of the budget 2022/23 process to support implementation of CPAS Phase 2.

The CPAS Phase 1 funding request for 2021/22 is significantly low, so implementation of most FLNRORD-led actions will be on hold until the CPAS Phase 2 resourcing package is approved. CCIPB supported development of CPAS Phase 1 by identifying components of FLNRORD-led actions to prioritize for inclusion in the Phase 1 Treasury Board submission. Phase 1 actions were selected according to alignment with priority initiatives across government, strong link to public safety, and alignment with ministry mandates and COVID-19 recovery.

The FLNRORD-led actions for CPAS Phase 1 for 2021/22 are outlined in Attachment 1, including requested funding. Proposed actions for CPAS Phase 2 are summarized in Attachment 2.

After completion and release of the updated ministry climate change strategy, it is expected that FLNRORD regions and business areas will update their Climate Action Plans (CAPs). During this process, regions and business areas will be looking for resources to implement the ministry climate change strategy as well as their CAPs. The alignment between the ministry climate change strategy and CPAS will allow FLNRORD to use the CPAS resourcing process to provide a portion of the resources needed for CAP implementation.

## NEXT STEPS:

s.13

**Attachment(s):** Attachment 1 – CPAS Phase 1 – FLNRORD Commitments for 2021/22  
Attachment 2 – CPAS Phase 2 – Proposed FLNRORD Commitments for 2022-2025

### PREPARED BY:

Hayley O'Neil  
Policy Analyst  
Climate Change and Integrated  
Planning Branch  
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### REVIEWED BY:

	Initials	Date
DM	JA	2021.03.01
Associate DM		
DMO		
ADM	DN	Mar 1, 2021
Program Dir/Mgr.	LM	Feb. 26, 2021

## Attachment 1 – CPAS Phase 1 – FLNRORD Commitments for 2021/22

- Table shows CPAS Phase 1 resourcing requests for FLNRORD-led actions to be initiated in 2021/22
- CAS led development of a CleanBC omnibus Treasury Board Submission for Phase 1 funding, this submission is currently awaiting decision
- Action deliverables for Phase 1 will be focused on program development/planning/scoping/pilot projects that will support CPAS Phase 2 implementation in 2022/23

FLNRORD-led Action			Phase 1 Resource Request	
Category	Action Description/Outcomes	Division	FTEs - Number and Description	2021/22
Protecting access to communities and natural resources through improving the climate resilience of BC's resource road network	Investigation and evaluation of geomorphological hazards and resource road infrastructure impacts due to climate change.	Rural Opportunities, Tenures and Engineering	s.17	s.17
Provincial flood and drought resilience	<ul style="list-style-type: none"> <li>- Work with other levels of government to establish and implement a floodplain mapping program</li> <li>- Ensure River Forecast Centre service expectations can be met during flood seasons in a changing climate</li> <li>- Respond to increasing water scarcity episodes by strengthening provincial drought management programs</li> <li>- BC Flood Strategy completion, program development, and implementation planning</li> </ul>	Resource Stewardship		
Wildfire Education and Awareness	Creation of communication materials, plans, and engagement to increase public preparedness and understanding of wildfire risk.	BC Wildfire Service	N/A	
Respecting Indigenous Knowledge	Develop options to improve the provinces' ability to respect Indigenous knowledge in decision-making, policy, and climate adaptation	Office of the Chief Forester	N/A	
Integrating climate change into decision making, policy, research, and operations	<ul style="list-style-type: none"> <li>- Develop climate adaptation guidance and support tools for decision makers, develop climate data and science resources</li> <li>- Initiate work on ecosystem forecasting and reflecting climate change in the BEC system and continue development of the Climate Change Informed Species Selection Tool</li> <li>- Continue to provide policy direction and tools to better integrate climate adaptation into all stages of land use planning and foster shared understanding with Indigenous partners</li> <li>- Continue work to assess climate risks a to coastal communities and economies</li> </ul>	Office of the Chief Forester, though some funding will be distributed to other divisions for climate adaptation related projects	N/A	
Resilience and Adaptation Centres	User needs assessment and rapid prototyping to develop a pilot hub site to inform scoping for a provincially scalable solution that brings together climate adaptation and disaster risk reduction data for use by local and Indigenous governments.	Integrated Resource Operations (GeoBC)	s.17	
CPAS Phase 1 Totals				
Percent Increase Requested Relative to Current Ministry FTEs (estimated at 4500) and 2020/21 Operating and Capital Budget				

## Attachment 2 – CPAS Phase 2 – FLNRORD Commitments for 2022 – 2025

- Table shows proposed FLNRORD-led actions for CPAS Phase 2 for 2022-2025
- CAS will lead development of a CleanBC omnibus Treasury Board Submission to support implementation for the budget 2022/23 process

FLNRORD Phase 2 Proposed Actions		
Category	Action Description/Outcomes	Division
Protecting access to communities and natural resources through improving the climate resilience of BC's resource road network	<ul style="list-style-type: none"> <li>- Investigation and evaluation of geomorphological hazards and resource road infrastructure impacts due to climate change, with the intention to understand implications, and develop practical industry guidance, tools, practices, and standards</li> <li>- Improve climate resilience of the provincial resource road network</li> </ul>	Rural Opportunities, Tenures and Engineering
Provincial flood and drought resilience	<ul style="list-style-type: none"> <li>- Release and implement a BC Flood Risk Strategy</li> <li>- Ensure River Forecast Centre service expectations can be met during flood seasons in a changing climate</li> <li>- Work with other levels of government to establish and implement a floodplain mapping program</li> <li>- Respond to increasing water scarcity episodes by strengthening provincial drought management programs</li> </ul>	Resource Stewardship
Wildfire Education and Awareness	Improve public awareness of wildfires, including communication, engagement, and warnings	BC Wildfire Service
Respecting Indigenous Knowledge	Build the ability of the Province to respect Indigenous Knowledge in decision-making, policy, and climate adaptation	Office of the Chief Forester
Heritage and Rec Sites	Integrate climate change considerations into hazard/vulnerability assessments of heritage, archaeology, mountain resorts, and recreation sites and trails with the intention of developing policy guidance and standards for implementation	Integrated Resource Operations
Integrating climate change into decision making, policy, research, and operations	<ul style="list-style-type: none"> <li>- Increase FLNRORD climate expertise and implement climate change resilience into legislation, regulation, guidance, standards, and decision making</li> <li>- Support communities in connecting climate change adaptation planning to their economic resilience and diversification efforts</li> <li>- Apply a rural lens (also known as rural considerations) during the development and implementation of strategy actions to identify and mitigate unforeseen implications in rural and remote places</li> <li>- Integrate climate change into BEC system and model climate change impacts for species, ecosystems, and other values</li> <li>- Implement a FLNRORD climate adaptation policy framework, including data, direction, improved guidance, and resources for decision-makers</li> <li>- Develop climate change informed timber harvesting guidelines and timber supply risk profiles, and incorporate climate change in sustainable forest management through FRPA update actions</li> <li>- Improve risk analyses, predictive modeling and monitoring to confirm the threat, and detect and respond to emerging terrestrial and aquatic invasive species</li> </ul>	Various, including:  Office of the Chief Forester  South Area (Range)  Rural Opportunities, Tenures and Engineering
Resilience and Adaptation Centres	<ul style="list-style-type: none"> <li>- Building the technology platform / Hub</li> <li>- Data analysis, visualization, interpretation, sharing, coordination with stakeholders</li> <li>- Coordination of existing data acquisition, acquiring data to fill identified gaps, management, and hosting</li> <li>- GeoBC is lead for implementation of mapping and data portal, EMBC and CAS lead the rest</li> </ul>	Integrated Resource Operations