

**MINISTRY OF ENERGY, MINES AND LOW CARBON INNOVATION  
ELECTRICITY AND ALTERNATIVE ENERGY DIVISION**

Date: March 2, 2022

**PREPARED FOR:** Honourable Bruce Ralston, Minister of Energy, Mines and  
Low Carbon Innovation

**SUBJECT:** CleanBC Building Innovation Fund - Third Intake

**BULLET RESPONSE:**

- The CleanBC Building Innovation Fund (CBBIF) provides incentives to British Columbia (B.C.) manufacturers and technology developers to commercialize and demonstrate new energy efficient and low-carbon building technologies.
- Eligible applicants include for-profit and not-for-profit organizations, local governments, and First Nations governments and organizations.
- Projects must be located in B.C. and advance building sector innovations that are energy efficient, reduce carbon emissions from building operations, and/or have low embodied carbon, relative to industry standard practice and existing codes and standards.
- Both projects and programs are eligible and can cover any building type including retrofit or new construction applications.
- Funding is currently provided through 5 different streams:
  - Material, Component and System Manufacturing (between \$500,000 to \$1,000,000 per project);
  - Digital Technology Solutions (between \$500,000 to \$1,000,000 per project);
  - Demonstration Projects (between \$500,000 to \$1,000,000 per project);
  - Open Call for Innovations (between \$500,000 to \$1,000,000 per project); and
  - (NEW) Information Sharing and Market Transformation (up to \$500,000 per project).
- The first intake of CBBIF awarded \$1.65 million in CleanBC funds to 13 recipients in March 2020.
- The second intake of the CBBIF awarded \$8 million in Stronger BC funds to 21 recipients in March 2021. Funding for this intake:
  - placed more emphasis on immediate economic impacts, equity, and Indigenous reconciliation; and
  - expanded scope to include advancement of BC wood products that help achieve GHG reduction goals through low-embodied carbon products.
- Treasury Board approved \$5 million in CleanBC funds for a third intake.
- The third intake closed on January 10, 2022, and received 50 applications for a total funding ask of \$36.4 million.
- The CBBIF Review Committee, consisting of Executive Directors from the Ministries of Energy, Mines and Low Carbon Innovation (EMLI), Environment, and Jobs, Economy Recovery and Innovation, and Ministry Responsible for Housing, selected 7 applications for a total of \$4.8 million in funding (see Table 1 below for details).
  - EMLI staff selected an additional applicant in the Information Sharing and Market Transformation stream, for a total of \$200,000.

- Notifications have been provided to awardees, and Shared Cost Arrangement drafting is currently underway.
- Applications were evaluated based on three main criteria:
  - *Alignment with the CleanBC Roadmap to 2030:* The extent to which the project advances the availability, acceptance, and affordability of energy efficient and low-carbon building solutions, in alignment with the provincial strategies related to greenhouse gas (GHG) emission reductions.
  - *Economic Development, Equity, and Reconciliation:* The extent to which the project creates or restores jobs, economic development opportunities, and other benefits to British Columbians, including for vulnerable or marginalized communities, and Indigenous peoples.
  - *Organizational Capacity:* The capacity of the applicant to complete the proposed work.

**Table 1: CBBIF Third Intake Funding – Selected Applicants (to be confirmed with Applicants)**

Applicant	Location	Project Description	Funding Award
<b><i>Material Component and System Manufacturing</i></b>			
Small Planet Supply	Vancouver	Funding to support a new B.C. production line for central CO2 heat pump water heaters, and next generation domestic hot water (DHW) air source heat pumps.	\$1,000,000
Heritage Lumber Inc.	Vancouver/Victoria	Expansion of existing deconstruction and reclamation, and remanufacturing facilities located in B.C.	\$500,000
<b><i>Digital Technology Solutions</i></b>			
Audette Analytics	Victoria	Funding to build out the Audette energy assessment tool by using machine learning, aerial imagery and property assessment records to support retrofits of roof top air handling units.	\$800,500
<b><i>Demonstration Projects</i></b>			
ZAMBA Technologies	Vancouver	Demonstration of a novel HVAC solution in two multi-unit-residential buildings (MURBs) consisting of a through-the-wall heat recovery ventilation (HRV) system integrated with a central air-to-water heat pump system (AWHP).	\$1,000,000



Concert Properties	Vancouver	Retrofit of a multi-building MURB complex, consisting of replacing the existing central gas-fired boiler hydronic heating system with a set of centralized CO2 ASHPs.	\$999,500
<b><i>Open Call for Innovations</i></b>			
Fast & Epp Structural Engineers Inc.	Vancouver/Prince George	Structural testing and analytical research on point-supported Cross Laminated Timber (CLT) for use in multi-unit residential buildings (MURBs) across Canada.	\$500,000
<b><i>Information Sharing and Market Transformation</i></b>			
Zero Emissions Building Exchange	Vancouver	Funding to support the development of case studies on past and present CBBIF projects, and broader communications and information sharing activities.	\$200,000

**DRAFTED BY:**  
Andrew Pye, EEB

**APPROVED BY:**  
Nat Gosman, ED, BEB ✓  
Les MacLaren, ADM, EAED ✓  
Fazil Mihlar, DM, EMLI ✓

## **Warnock, Joie EMLI:EX**

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**From:** Plummer, Glen GCPE:EX  
**Sent:** March 10, 2022 8:52 AM  
**To:** Tseng, Eugene EMLI:EX; Meehan, Patrick EMLI:EX; Warnock, Joie EMLI:EX; Edmonds, Claire EMLI:EX  
**Cc:** Leslie, Sean GCPE:EX; Sovka, David GCPE:EX  
**Subject:** For review - draft MBR quote -  
**Attachments:** s.13

Hi all,

s.13

We have been asked to provide a quote for MBR to include in the release. The brilliant Mr. Sovka has drafted the ADM approved quote below for your review/input:

s.13

Please let us know if you have any edits.

Thanks,

Glen

**Glen Plummer**  
**Communications Manager**  
**Ministry of Energy, Mines and Low Carbon Innovation**  
**250 952-0559 office**  
s.17                      cell

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## Warnock, Joie EMLI:EX

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**From:** Tseng, Eugene EMLI:EX  
**Sent:** April 29, 2022 11:43 AM  
**To:** Devereux, Rick GCPE:EX; Hold - 220719 - Smith, George PREM:EX; Leslie, Sean GCPE:EX; Greer, Shannon GCPE:EX; Plummer, Glen GCPE:EX; Croft, Robyn J GCPE:EX; Murphy, Susanne MUNI:EX; Hold - 220815 - Tucker, Monica M GCPE:EX; Sovka, David GCPE:EX; Finn, Heather GCPE:EX; Machell, Aileen PREM:EX  
**Cc:** Warnock, Joie EMLI:EX; Edmonds, Claire EMLI:EX; Meehan, Patrick EMLI:EX; Tseng, Eugene EMLI:EX  
**Subject:** 2022-04-29 - EMLI Pitch - Building Innovation Fund Round 3  
**Attachments:** MA Pitch\_BIF\_28 April\_244pm\_ET.docx

Hi Team,

Building Innovation Fund is coming back again for a third round. We announced the intake of this round in December 2021. Funding call closed in January 2022, and we'd like to now announce the seven successful applicants, totaling \$5M. We are ready to announce this as early as **early May, but are flexible in time.**

We're proposing a single provincewide news release to highlight the successful applicants to the third round of CleanBC Building Innovation Fund (CBBI). We can also explore doing an event for two of the projects: Unbuilders/Heritage lumberyard in Victoria and Oxygen8 in Vancouver.

Please kindly let us know if you require additional information and happy to discuss further.

Sincerely,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: [250-886-4542](tel:250-886-4542)  
e: [Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)

# Building a StrongerBC *for everyone*

**Pitch for: Announcing the seven successful applicants in the third round of CleanBC Building Innovation Fund (CBBI), worth \$5 million.**

**Ministry:** Ministry Of Energy, Mines and Low-Carbon Innovation

**GCPE lead communications person:** David Sovka

**Corporate calendar ID:** EMLI-108395

## Purpose

A single provincewide news release to highlight the seven successful applicants to the third round of CleanBC Building Innovation Fund (CBBI), worth \$5 million. Possible events for two of the projects. The CBBI Fund provides funding for projects and programs that accelerate the availability and affordability of low-carbon building solutions including advanced building designs, new construction methods, and ultra-efficient building components. Five million in funding is to be distributed to seven successful applicants.

## What is the desired approach/rollout?

A single provincewide news release to highlight the successful applicants to the third round of CleanBC Building Innovation Fund (CBBI). Possible events for two of the projects.

## Timing

Program staff have signed all contracts with CBBIF recipients, and suggest early May as the most appropriate timing. The CBBIF funding call closed 10 January 2022.

## Products

{Check all boxes that apply}

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> Media Advisory          | <input type="checkbox"/> Opinion-Editorial | <input type="checkbox"/> Press Conference   | <input type="checkbox"/> Digital content      |
| <input checked="" type="checkbox"/> News Release | <input type="checkbox"/> News You Can Use  | <input type="checkbox"/> Tech Briefing      | <input type="checkbox"/> Other (Please list): |
| <input type="checkbox"/> Info Bulletin           | <input type="checkbox"/> Statement         | <input type="checkbox"/> Media Availability |   |

## Location of event:

n/a

## What within the announcement is new?

Seven new recipients of CBBIF support of \$5 million.

# Building a StrongerBC *for everyone*

## What is the problem we are trying to solve for British Columbians?

- As part of B.C.'s 2030 commitment to reduce province-wide emissions by 40% from 2007 levels, B.C. has set a target to reduce emissions in buildings and communities by more than a half by 2030.
- By supporting innovation in the B.C. building sector, we're increasing the capacity of the B.C. green building industry.
- By finding clean, efficient solutions, we will strengthen our economy and create opportunities for people and businesses across the province.
- We're showcasing made-in-B.C. innovation that helps industry move towards CleanBC changes to the building code, while providing good, family-supporting jobs in B.C.

## What is the main theme of the announcement that fits the message guide?

- ☐ Affordability      ☐ Improving Services      ☒ Building a secure future

## What's the overarching narrative?

- By supporting innovation in the B.C. building sector, the CBBI Fund increases the capacity of B.C.-based industries and generates consumer confidence in high performance buildings, at the same time helping to lower the costs of new technologies and building approaches over time.
- Some projects are tangible and lend themselves well to announcing, others are more abstract, report-based projects, with less of a tangible end product, which are the ones that would be listed in a backgrounder attached to the Provincial wrap-up release.
- Nice, practical support for CleanBC goals.

## What supporting/sustaining announcements or activities are planned?

None of the recipients is particularly "visual" or has work started, so no event/site visit is considered necessary, although there are two possibilities for future visits of MBR or MLAs: Unbuilders/Heritage lumberyard in Victoria and Oxygen8 in Vancouver (both have received CBBI funding and attention previously).

## Spokesperson(s)?

- MBR

## Products for translation

{Consult with media relations, then check all boxes they recommend}

- ☐ Media Advisory    ☐ Opinion-Editorial    ☐ Press Conference    ☐ Other (Please list):
- ☒ News Release    ☐ News You Can Use    ☐ Tech Briefing
- ☐ Info Bulletin    ☐ Statement    ☐ Digital Content

# Building a StrongerBC *for everyone*

## Languages

{Consult with media relations, then check all boxes they recommend}

- |                                 |  |   |   |
|---------------------------------|--|---|---|
| <input type="checkbox"/> French | <input type="checkbox"/> Traditional Chinese | <input type="checkbox"/> Simplified Chinese | <input type="checkbox"/> Punjabi              |
| <input type="checkbox"/> Farsi  | <input type="checkbox"/> Tagalog             | <input type="checkbox"/> Korean             | <input type="checkbox"/> Other (Please list): |

## In-language media outreach and clips

- {Outlet, spokesperson}
- {Outlet, spokesperson}
- {Does this event warrant in-language clips?}

## Risk considerations

{List any challenges to be aware of and any mitigation techniques}

## Warnock, Joie EMLI:EX

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**From:** McCann, Meghan EMLI:EX  
**Sent:** June 23, 2022 10:13 AM  
**To:** Tseng, Eugene EMLI:EX  
**Cc:** Warnock, Joie EMLI:EX  
**Subject:** RE: CleanBC Go Electric EV Rebate Program Budget Letter  
**Attachments:** EMLI Budget 2022 Letter.pdf; EMLI - Appendix A.pdf; Appendix B.pdf; Appendix C.pdf

Hi Eugene,

Are you looking for the attached or something else?

**From:** Tseng, Eugene EMLI:EX <Eugene.Tseng@gov.bc.ca>  
**Sent:** June 23, 2022 9:38 AM  
**To:** McCann, Meghan EMLI:EX <Meghan.McCann@gov.bc.ca>  
**Cc:** Warnock, Joie EMLI:EX <Joie.Warnock@gov.bc.ca>; Tseng, Eugene EMLI:EX <Eugene.Tseng@gov.bc.ca>  
**Subject:** CleanBC Go Electric EV Rebate Program Budget Letter

Hi Meghan,

Does the DMO still have a copy of the budget letter referenced in the briefing note attached that's expected in May?

Thanks!

Eugene



April 22, 2022  
488919

STRICTLY Confidential

Honourable Bruce Ralston  
Minister of Energy, Mines and Low Carbon Innovation  
Room 138 Parliament Buildings  
Victoria BC V8V 1X4

Dear Colleague:

On February 22, 2022, our government tabled *Budget 2022*, the three-year Budget and Fiscal Plan, and ministry and Crown Agency Service Plans for the 2022/23 to 2024/25 period.

*Budget 2022* builds on historic investments since 2017 to build a stronger society, a stronger environment, and a stronger economy. We have prioritized investments to continue to respond to the ongoing COVID-19 pandemic and to build back better from climate-related disasters. We will continue to focus on putting people first by delivering the services people rely on, investing in mitigating and fighting climate change, and growing an inclusive and clean economy for all British Columbians.

*Budget 2022* maintains Pandemic and Recovery Contingencies to support ongoing health responses and to continue to help people, businesses and communities that are still recovering from the pandemic's impacts. Pandemic and Recovery Contingencies will be limited to the most urgent health and recovery needs. Access will be restricted to measures that are time-limited in nature and that do not create increased costs to government in the future. Reserve funding that is not needed will be held to reduce government's forecasted operating deficit<sup>s.12; s.13</sup>  
s.12; s.13

In addition, *Budget 2022* provides \$1.5 billion over the next three years to support ongoing flood related recovery efforts and help communities rebuild from the November 2021 event. The flooding - in addition to other climate-related disasters like the heat dome and severe wildfire season - exemplifies the impacts of climate change and the need to rebuild in ways that are smarter and more resilient to its impacts. This funding will supplement ongoing response and recovery efforts in addition to federal support for recovery from flooding and other recent natural disasters in B.C. s.12; s.13  
s.12; s.13

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Ministry of  
Finance

Treasury Board

Mailing Address  
PO Box 9469 Stn Prov Govt  
Victoria BC V8V 9V8

Location Address:  
1<sup>st</sup> Floor - 617 Government St  
Victoria BC



Our government has supported people, communities, and businesses through the events of the past two years while remaining disciplined in our fiscal planning. As the pandemic continues to take its course and as communities recover from disastrous climate-related disasters, the need for investments to protect people and communities remains. As part of *Budget 2022*, we committed to maintain the same fiscal discipline to guide a responsible approach to budgeting and fiscal planning. We must fulfill our commitments by prioritizing our new investments so that they are sustainable, and by reassessing programs to ensure they continue to respond to the priorities of British Columbians.

Your 2022/23 budget allocations and future year targets are listed in the table below. Final budgets will be confirmed once Final Supply is passed after the conclusion of the Estimates debate.

<b>2022/23 Budget Allocations and Future Year Targets</b>			
<b>(\$ millions)</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>
Operating	111.959	120.820	112.788
CRF Capital	0.586	0.333	0.333

There remains uncertainty about how the economic recovery will be impacted by the changing dynamics of the pandemic. s.12; s.13

s.12; s.13

TBS will continue to work with ministries, including confirming areas where ministries may be under-spending against their budgets due to ongoing impacts of the pandemic.

Please refer to Appendix A for a summary of *Budget 2022* budget decisions, your ministry's approvals to access the Contingencies (All Ministries) and New Program Vote and approvals to access CRF Capital Contingencies as of April 1, 2022. Contingencies allocations identified in Appendix A replace all previous Contingencies approvals provided through decision letters prior to April 1, 2022. All ministries are expected to manage to their budgeted appropriations to minimize draw on Contingencies s.12; s.13

s.12; s.13

Please ensure your ministry continues to work closely, and in a timely manner, with TBS to identify any areas of risk to your budget and develop mitigation strategies to ensure you meet your budget targets as per the *Financial Administration Act* and the *Balanced Budget and Ministerial Accountability Act*.

Please refer to Appendix B for further operational policies, procedures and directives. Please refer to Appendix C for operational policies, procedures and directives related to capital management.

### **Ministry Specific Budget Direction**

The following directions apply specifically to your ministry.

...3/

s.12; s.13

***Operating Funding (Base Funding)******CleanBC*****Go Electric Programming:**

The following changes were approved for Go Electric programming:

- Home and Workplace Charging: Increase the per building rebate cap for Electric Vehicle Ready infrastructure rebates for multi-use residential buildings from \$80,000 to \$120,000;
- Fleets Program: Increase the rebate cap for Zero Emission Vehicle (ZEV) assessments with telematic tools from \$10,000 to \$50,000 and approve the program to support installations for medium/heavy-duty vehicle charging at current support levels;
- Public Charger Program: Increase the Indigenous Level 2 charger funding cap from \$5,000 to \$7,500; and
- Specialty Use Vehicle Incentive (SUVI) Program rebate changes as per below:

<b>Specialty Use Vehicle Incentive Program Rebate Changes</b>	
<b>Vehicle Weight Class</b>	<b>New Rebate Amount</b>
Class 3	33% of purchase price up to \$55,000
Class 4-5	33% of purchase price up to \$75,000
Class 6-7	No change (33% of purchase price up to \$100,000)
Class 8	33% of purchase price up to \$150,000

s.12; s.13

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s.12 ; s.13

s.12; s.13

***Capital Funding***

s.12; s.13

Thank you for your ongoing commitment to maintain strong fiscal management while supporting government's commitments to build a stronger province. I thank you for your dedication to serving the people of British Columbia.

Sincerely,

A handwritten signature in black ink, appearing to read 'Selina Robinson', with a stylized, cursive script.

Selina Robinson  
Minister of Finance  
Chair of Treasury Board

See Attachment

cc: See attached Distribution List

Distribution List:

cc: Fazil Mihar  
Deputy Minister  
Ministry of Energy, Mines and Low Carbon Innovation

Ranbir Parmar  
Assistant Deputy Minister and Executive Financial Officer  
Ministry of Energy, Mines and Low Carbon Innovation

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## Appendix B

This Appendix has the following sections:

1. Policy or Program Proposals with Financial Implications
2. Operating Contingencies
3. Year-End Funding
4. *BBMAA*, Statutory Appropriations, and Special Accounts
5. Commercial Crown Corporations, Taxpayer-supported Service Delivery Agencies and SUCH Sector Organizations - Fiscal Target Management
6. STOB Management
7. Public Sector Bargaining
8. Property Management and Shared Services BC
9. Other Budget Management Requirements

### 1) **Policy or Program Proposals with Financial Implications**

Ministries must seek prior Treasury Board approval of:

- Any new policies or programs;
- Changes to existing policies or programs;
- Significant long-term contracts and contract renewals; or
- Major alternative service delivery projects/agreements

Per Treasury Board Directive 2/96, all new program proposals must include a program design plan; a three-year business plan; and a clear description of the accountability structure.

Ministries must identify financial implications of proposed changes, which may include changes or a risk of changes to government's revenues, expenditures, assets, or liabilities. Cross-ministry financial implications must also be considered and identified, including any facilities or IM/IT requirements for the Ministry of Citizens' Services (CITZ).

Consistent with Government's Core Policy and Procedures Manual (CPPM), Treasury Board approval is required for all projects and initiatives (such as corporate services funded through chargebacks or capital projects) that assume contributions from other ministries to fund or partially fund costs. Please refer to Treasury Board Directives for applicable policies and consult with Treasury Board Staff (TBS) if you have any questions on these requirements.

#### ***a. Targeted Expenditures***

*Budget 2022* provides base budget lifts for targeted initiatives or programs. Ministries may not reallocate targeted funds to other ministry programs without prior approval from the Chair of Treasury Board unless otherwise specified.



***b. Revenues***

Any adjustment to revenue policies including revenue rates, credits, remissions, etc. requires prior approval. Ministry staff should consult TBS to determine the appropriate process.

***c. Treasury Board Submissions***

Ministry staff should engage with TBS prior to the development of Treasury Board submissions. s.12; s.13

s.12; s.13

Ministries should consult with TBS to ensure that all pertinent information required by Treasury Board to make an informed decision is included in the ministry's submission prior to obtaining final ministerial approval.

s.12; s.13

Please refer to the Performance Budgeting Office intranet site for information outlining the Treasury Board submission process/timelines.

Other Specific Considerations:

*Gender Based Analysis Plus (GBA+)*

Ministries are expected to integrate Gender Based Analysis Plus (GBA+) into new and existing policies, programs and initiatives. All Treasury Board submissions are expected to outline how GBA+ methodology and equity considerations have been incorporated through all phases of the policy development cycle from issue identification through to monitoring and evaluation, and indicate how this has influenced the options and recommendations. s.12; s.13  
s.12; s.13

*Submissions with Indigenous Considerations*

Ministries must work with TBS and the Ministry of Indigenous Relations and Reconciliation.  
s.12; s.13

*Submissions with CleanBC and Other Climate-Related Considerations*

Ministries must engage with the Ministry of Environment and Climate Change Strategy in the development of any Treasury Board submissions related to CleanBC and other climate-related programming in addition to any submissions with implications for the Province's greenhouse gas emission reduction targets.

Ministries with measures that reduce greenhouse gas emissions or adapt to climate change are to work with the Ministry of Environment and Climate Change Strategy to identify ways to incorporate emission reductions associated with those measures into tracking progress towards the Province's reduction targets, and as part of annual climate accountability

reporting. This includes emission reductions measures associated with CleanBC programs, investments outside of CleanBC, regulatory measures, and any other measures to reduce emissions.

s.12; s.13

*e. Regulation Changes*

Ministries must seek Treasury Board review of regulation changes with potential financial implications for government or government agencies (e.g., Crown corporations). Ministries are also accountable for ensuring appropriate consultation is undertaken to evaluate the potential fiscal implications across government.

s.12; s.13

*Pandemic and Recovery Contingencies and Flooding Contingencies*

*Budget 2022* includes funding reserved for unanticipated and urgent needs associated with pandemic response and economic recovery (Pandemic and Recovery Contingencies). Pandemic and Recovery Contingencies are to only be used to support urgent needs and unanticipated events related to priority pandemic and recovery responses.

*Budget 2022* includes funding reserved for costs associated with recovery from the November 2021 flooding events<sup>s.12; s.13</sup>  
s.12; s.13

Please refer to Appendix C for information about Capital Contingencies.

s.12; s.13

4) **BBMAA, Statutory Appropriations, and Special Accounts**

Under section 3 of the *Balanced Budget and Ministerial Accountability Act (BBMAA)*, your ministerial salary is reduced by 10 per cent. This will be restored on the day after the 2022/23 *Public Accounts* are released, provided your ministry's actual 2022/23 operating spending does not exceed your operating expense accountabilities outlined in Schedule F of the 2022/23 *Estimates*.

Notwithstanding the exclusions of statutory appropriations from Schedule F, your ministry is not to exceed your ministry's 2022/23 budget allocation and future year targets noted in the body of this letter without prior Treasury Board approval.

s.12; s.13

5) **Commercial Crown Corporations, Taxpayer-supported Service Delivery Agencies and SUCH Sector Organizations - Fiscal Target Management**

Your ministry is responsible for overseeing the financial position and operating results of commercial Crown corporations, service delivery agencies and SUCH sector organizations (school districts, universities, colleges, health authorities and hospital societies) that fall under your legislated responsibilities.

s.12; s.13

Ministries with SUCH sector responsibilities are required to report quarterly to TBS on progress in achieving *Budget 2022* financial targets and to ensure their organizations will collectively meet bottom line, net expense, and debt targets. In addition, all ministries are

required to ensure the agencies and organizations for which they are responsible manage their capital projects within approved project budgets or previously approved envelopes, and where necessary develop strategies to ensure projects and envelopes remain within approved provincial funding limits.

6) **STOB Management**

Expenditure management controls remain in effect for *Budget 2022*. s.12; s.13  
s.12; s.13

s.12; s.13



**7) Public Sector Compensation**

***a. B.C. Public Sector Bargaining***

s.12; s.13

***b. 2021 - 2023 Public Sector Compensation Mandate***

*Budget 2022* includes centralized funding to assist with anticipated costs of concluding collective bargaining agreements under the 2022 *Shared Recovery Mandate*, s.12; s.13

s.12; s.13

s.12; s.13

**8) Property Management and Shared Services**

***a. Effective Property Management***

As one of the largest owners and tenants of real estate in British Columbia, the Province has an obligation to responsibly manage the real estate portfolio in the best interests of taxpayers.

*Budget 2022 Letter Appendix B- Page 10*

All organizations throughout the Government Reporting Entity, including ministries, SUCH sector organizations (school districts, universities, colleges, and health authorities), and Crown corporations and agencies, are expected to follow the Inventory Policy for Real Property. This policy includes the requirement to identify properties that are surplus to an organization's needs to CITZ, which is managing this information on behalf of the Province.

s.13

***b. CITZ - Shared Services***

Ministries are expected to continue to work cooperatively with CITZ to actively manage down their consumption and reduce governments cost for information technology and facilities. to generate efficiencies and control costs.

s.13

Corporate Supply Arrangements (CSAs) have been established for use by government ministries and public sector organizations in B.C. to provide value for taxpayers. Ministries must not use any procurement or solicitation instrument (e.g., RFP) to acquire goods or services that are currently available through a CSA. As well, broader public sector organizations in the province may be eligible to access the pricing, terms and conditions set out in many of these supply arrangements. Please access the [Goods and Services Catalogue](#) for more information.

#### *Procurement and Oversight of Complex/High Risk Services*

The Strategic Partnerships Office (SPO) in CITZ is responsible for providing central coordination and expertise across core government in the business planning and management of major, high-risk strategic contracts. s.12; s.13  
s.12; s.13

For information regarding IM/IT Capital Investments, please refer to Appendix C.

### **9) Other Budget Management Requirements**

s.12; s.13; s.14

#### ***b. Recoveries and Fees/Fines***

s.12; s.13

All fee and fine proposals (i.e., new, increase, decrease, elimination, exemption or change in scope of coverage) must be reviewed by Treasury Board. The Fee/Fine Treasury Board Submission template is located on the TBS Performance Budgeting Office intranet site.

Consistent with the principle of ministerial accountability, each ministry and program area charging fees is responsible for ongoing monitoring of its fees to ensure that the approved fee

rates continue to be appropriate and consistent with relevant government policies and regulations. s.12; s.13  
s.12; s.13

Ministries are reminded that the fee database is only updated when changes have been legally authorized by cabinet Regulation / OIC, Ministerial Order or Minister of Finance Directive. The current fee database is available on the TBS intranet site. In order to keep the database current, it is important that ministries notify TBS s.12; s.13 once legal authorization for fees has been received.

*c. Sponsored Crown Grants (SCGs) and Nominal Rent Tenures (NRTs)*

s.12; s.13

For further information on the funding and approval process, please contact the Ministry of Forests.

## Appendix C

### **Capital Management**

There are four main types of capital project expenditures. The management requirements vary for each category, as identified below. Please refer to the Supplemental Capital Definitions on the Treasury Board Staff (TBS) [intranet site](#) for definitions of the types of capital project expenditures.

- 1) Priority Investments (non-IM/IT)
- 2) Routine Capital Envelopes
- 3) IM/IT Capital Investments and Maintenance
- 4) CRF Capital

#### *1) Priority Investments (non-IM/IT)*

s.12; s.13

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s.13

s.12; s.13

Ministries are expected to manage within the project scope, schedule and budget as approved by Treasury Board.<sup>s.12; s.13</sup>  
s.12; s.13

For clarification on the approval or funding status for any of your ministry's Priority Investment projects, please contact your Treasury Board Analyst. For more information on completing a Concept Plan and Business Plan, please refer to the Concept Plan Guideline and Business Plan Guideline.

s.12; s.13

s.12; s.13

s.12; s.13

*CleanBC:*

The Provincial capital plan will support the Province's CleanBC objectives through the establishment of emissions and climate resilience standards for public sector buildings.

s.12; s.13

*Mass Timber (Wood):*

The Province is seeking to demonstrate leadership in the use of this innovative building material, helping to mainstream the use of this value-added product and support the province's forestry industry.

s.12; s.13

*Child care:*

s.12; s.13

s.12; s.13

2) Routine Capital Envelopes

Routine Capital funding envelopes enable ministries to address deferred maintenance and achieve an acceptable level of condition for Government's capital assets. s.12; s.13  
s.12; s.13

CITZ is responsible for corporately managing the CRF Routine Capital envelope for facilities and tenant improvements<sup>s.12; s.13</sup>  
s.12; s.13

3) IM/IT Capital and Transformation and Technology Funding

s.12; s.13



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#### 4) CRF Capital

CRF Capital provides spending appropriation to ministries (as outlined in Schedule C of the 2022/23 *Estimates*) for core government owned assets across several asset classes including land, buildings, tenant improvements, specialized equipment, vehicles, information systems, and office furniture and equipment. CRF capital is comprised of discrete capital projects (including Priority Investments covered above) and recurring capital envelopes, such as ongoing annual funding for office furniture and equipment.

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<sup>3</sup> For Terms of Reference, see [https://intranet.gov.bc.ca/assets/intranet/mtics/ocio/imit-capital-investments/dib\\_terms\\_of\\_reference\\_-\\_approved\\_-\\_march\\_18\\_2021.pdf](https://intranet.gov.bc.ca/assets/intranet/mtics/ocio/imit-capital-investments/dib_terms_of_reference_-_approved_-_march_18_2021.pdf).

*Governance and Responsibilities*

Ministries are responsible for the oversight of planning, delivery, and reporting of capital projects in their respective sectors, including those capital projects undertaken by agencies and Crown Corporations for which they are responsible. s.12; s.13

s.12; s.13

Capital Project Reporting

All ministries and their respective agencies, Crown Corporations, school districts, universities, colleges and health authorities/hospital societies included in the Government Reporting Entity must submit quarterly capital spending updates via the Capital Planning System database to the Performance Budgeting Office, TBS, and ensure consistency with quarterly updates provided to the Fiscal Planning and Estimates Branch and the Office of the Comptroller General.

s.12; s.13

The *Budget Transparency and Accountability Act* requires public disclosure for all major capital projects, defined as those with a total cost of \$50 million or greater. Within one month of the approval of the project by Cabinet, the minister responsible must make public a major capital project plan outlining the objectives, costs, benefits, and risks of the project. Making public means either laying the document before the Legislative Assembly, if it is in session, or filing the document with the Clerk of the Legislative Assembly, if the Legislative Assembly is not in session and making the document available to the general public in a reasonable manner, which may include by electronic means.

In addition, major capital projects are reported on publicly each quarter. Please see the policy guidance on reporting for major capital projects, available on the TBS intranet site<sup>4</sup> for more information.

## **Warnock, Joie EMLI:EX**

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**From:** Plummer, Glen GCPE:EX  
**Sent:** August 17, 2022 10:09 AM  
**To:** Warnock, Joie EMLI:EX; Meehan, Patrick EMLI:EX  
**Cc:** Sovka, David GCPE:EX; Leslie, Sean GCPE:EX  
**Subject:** Corp cal proposed dates for CleanBC Building Innovation Fund

**Mon Aug 22:** Anytime on the quarter hour in a.m. – currently wide open until 1pm

**Wed Aug 24:** 1:00pm or 1:30pm

**Thurs Aug 25:** 9:00am or 9:30am

**Fri Aug 26:** 8:30am, 9:00am or 9:30am

**Glen Plummer**

**Communications Manager**

**Ministry of Energy, Mines and Low Carbon Innovation**

**250 952-0559 office**

s.17 cell

## Warnock, Joie EMLI:EX

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**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 2, 2022 11:49 AM  
**To:** Robb, Amanda EMLI:EX; Warnock, Joie EMLI:EX; Meehan, Patrick EMLI:EX; Edmonds, Claire EMLI:EX; Hyndman, Hayley EMLI:EX  
**Cc:** Tseng, Eugene EMLI:EX  
**Subject:** DRAFT MATERIALS - 2022-10-05 - MO Planning Session  
**Attachments:** 01. EMLI\_2022\_Half\_Year\_in\_Review\_Concept\_ADM\_Approved\_(DT)\_with more photos.docx; 03a. 2022 Fall Session Overview.docx; 03b. EMLI Dashboard Week of October 3.pdf; 04. 2022-09-26 - Follow-up items.docx; 00. 2022-10-05 - Agenda -EMLI Planning Session Follow-up.docx

Hi Team,

Please find the draft materials for our MO planning session this coming Wednesday for your comments and feedback. Our focus with the Minister should be narrowing down our priorities for Fall 2022. For the first part of the session, we'd like to emphasize how much we've accomplished in the first half of 2022 and how much we already plan to do in Fall 2022. His calendar is already mostly filled up through December 2022.

Our takeaway from this session is for each political staff to present our 1-2 priorities for Fall 2022. As an example, I'll be focused on the amendments to the s.12; s.13  
s.12; s.13

Claire, if there's a way to convert the stakeholders list to a PDF or print it out for MBR, that would be greatly appreciated.

Thanks!

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: Eugene.Tseng@gov.bc.ca



Ministry of  
Energy, Mines and  
Low Carbon Innovation

# **EMLI 2022**

## A Year in Review Part I January - June 2022

Placeholder page for Greeting from the Premier  
MO to arrange with PO

## Message from the Minister



Despite the challenges coming out of the COVID-19 pandemic, the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) has been productive in the first six months of 2022 and has made significant progress on important initiatives related to the energy and mining portfolio. This Six Months in Review document highlights some of EMLI's accomplishments on key initiatives, reducing greenhouse gas emissions, creating good-paying jobs, and making life better for all British Columbians.

In my February 2022 Mandate Letter, Premier Horgan tasked me with making progress on a number of initiatives important to our government relating to the energy and mining portfolio, 6 out of 13 of which are completed. The completions include the removal of Provincial Sales Tax on used electric vehicles (EVs) in Budget 2022; the expansion of the CleanBC Specialty-Use Vehicle Incentive Program - Budget 2022 increased the maximum rebate amount for Class 8 on-road ZEVs from \$100,000 to \$150,000 and increased the maximum rebate

amount of heavy-duty yard-tractors from \$50,000 to \$150,000; and the BC Centre for Innovation & Clean Energy is now operational and provides regular updates to me.

Furthermore, at the end of 2021, there were more than 3,100 public charging stations in BC, compared to just 781 in 2016. Now, for a limited time, BC residents, businesses, and municipalities can receive higher rebates for EV charging stations through the CleanBC Go Electric Charger Rebate and Fleets programs, covering as much as 75% of eligible purchase and installation costs for EV charging stations, an increase from the previous 50% coverage.

The Province is implementing a new oil and gas royalty system that puts the interests of British Columbians first and eliminates outdated and inefficient fossil-fuel subsidies. This includes eliminating the Deep Well Royalty Program, the largest oil and gas subsidy, as well as other outdated and inefficient programs, such as the Marginal Well, Ultramarginal Well, Low Productivity Well Rate Reduction and the Clean Growth Infrastructure Royalty programs.

In response to the direction for an Industrial Bonding Strategy, an interim reclamation security policy for BC's mining industry is better protecting the environment, improving the industry's sustainability, increasing transparency, and helping maintain a competitive industry.

The Ministry continues to make significant progress on other Mandate Letter items. The CleanBC Roadmap has several energy efficiency measures that the Ministry of Energy, Mines and Low Carbon Innovation is working to implement. The Site C project is on track to be completed in 2025 with a revised cost estimate of \$16billion. To advance industrial electrification, the Government of British Columbia and BC Hydro have launched BC Hydro's new five-year electrification plan, which will make it easier and more affordable for people to efficiently use more of BC's clean electricity in place of fossil fuel to power their homes, buildings, businesses, and vehicles.

To advance the implementation of the *Fuel Price Transparency Act*, from November 2020 to November 2021, the British Columbia Utilities Commission (BCUC) collected fuel data from a group of retail dealers in BC as part of a Retail Pilot. On March 31, 2022, the BCUC issued its Final Report for the Retail Pilot to the Government of British Columbia.

New methane regulations came into effect on January 1, 2020 and are designed to reduce methane emissions by 10.9 megatonnes of carbon dioxide equivalent over a 10-year period, which is equivalent to taking 390,000 cars off the road each year. Almost all of the Mining Jobs Task Force recommendations have been completed or substantially started, and Ministry staff are now exploring options for a virtual Mining



Innovation Hub.

The significant progress we made in the last six months on these key initiatives would not have been possible without the dedication and hard work of EMLI staff.

*MBR sig.*

Honourable Bruce Ralston  
Minister of Energy, Mines and Low Carbon Innovation  
September 30, 2022

## CleanBC and ZEVs



The CleanBC Go Electric Program provides ongoing rebates for zero-emission light-duty vehicles (LDVs), medium- and heavy-duty trucks and buses, ferries, and airport and port ground equipment, and makes investments in infrastructure, training, public outreach, and economic development. The *Zero-Emission Vehicles Act* and Regulation ensures that ZEVs are available to British Columbians.

The CleanBC Go Electric Program and *Zero-Emission Vehicles Act* and Regulation have been highly successful in: reducing market barriers; encouraging the adoption of ZEVs by British Columbians; leveraging private, municipal, and federal investment in ZEVs and infrastructure in BC; and supporting new economic opportunities in the ZEV sector. In 2021, light-duty ZEV sales represented 13% of all new LDV sales in B.C., and in the first quarter of 2020, 17% of LDV sales were ZEVs, the highest uptake rates in North America.

The CleanBC Roadmap to 2030 committed to increase deployment of EV charging stations, such that there is a geographically connected EV charging network by 2024, and 10,000 public chargers by 2030. At the end of 2021, there were more than 3,100 public charging stations in B.C., compared to 781 in 2016, and 50% of the geographically connected sites were already built or underway.

Budget 2022 included a \$74 million for the CleanBC Go Electric Program, including: \$10 million for home and workplace charger rebates; \$20 million for investments in public charging; \$30 million for zero-emission commercial vehicle projects; and \$0.375 million for local and Indigenous government planning. In August 2022, the CleanBC Go Electric Vehicle Rebate program transitioned to being means tested, and the Ministry is currently working on transitioning its funding source to revenues from BC Hydro's sales of credits obtained through the Low Carbon Fuel Standard. The CleanBC Go Electric Program supports growth of BC's ZEV sector, which has over 270 companies and organizations involved in all aspects of the supply chain employing more than 10,000 jobs, producing \$1.9 billion in total economic output, and contributing \$1.1 billion to the provincial gross domestic product.

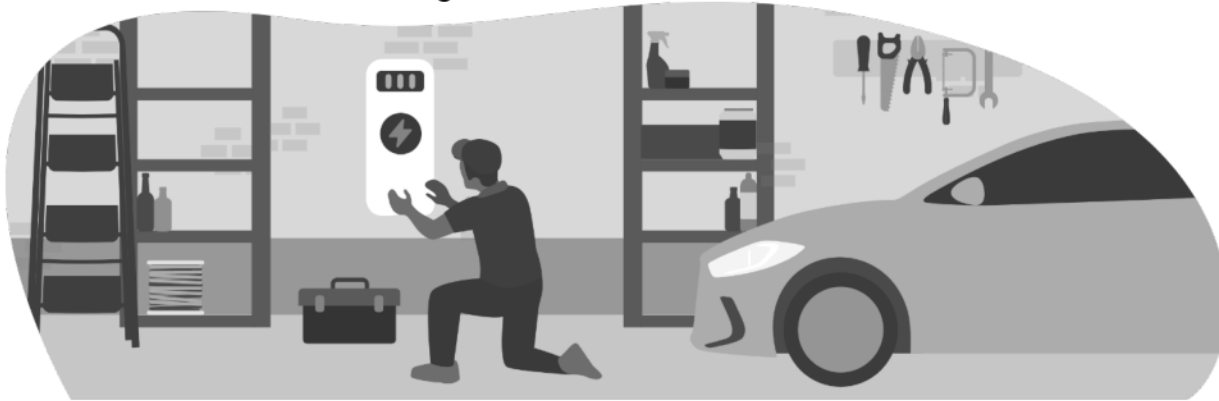


Budget 2022 increased maximum rebate amount for Class 8 on-road ZEVs from \$100,000 to \$150,000 and increased the maximum rebate amount of heavy-duty yard-tractors from \$50,000 to \$150,000. Budget 2022 also implemented a PST exemption on the purchase of used ZEVs.

## Increase EV Charging Capacity & Expansion of Home and Workplace EV Charging

The CleanBC Go Electric Program offers multiple streams, including:

- Home and workplace charger rebates, which provide up to \$350 for charging stations in homes, and up to \$2,000 for charging stations and free EV advisor services in apartments, condos, and workplaces. Rebates up to \$3,000 are available to complete an EV Ready Plan for condominiums and apartments. Increased rebates are available for Indigenous communities and businesses.



- Public infrastructure funding, which provides up to 50% funding for public fast charging stations (up to \$80,000) and up to 33% funding for public hydrogen fueling stations. Increased rebates of up to 90% of project costs (to a maximum of \$130,000) per station are available for Indigenous-owned DCFC stations.

## BC Centre for Innovation & Clean Energy

In February 2022, BC Centre for Innovation and Clean Energy (CICE) and the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) established a five-year Trusted Partnership and Shared Cost Arrangement (SCA) to collaborate on implementation of the B.C. Hydrogen Strategy (Strategy). This partnership will enable the

Province to leverage the Centre's ability to act with more autonomy and flexibility than the government to rapidly progress shared climate objectives, and the Centre to build its brand as a key contributor to decarbonization.

To achieve four objectives as part of the initial Strategy implementation, EMLI's financial contribution will support the development of the following four studies:

1. Hydrogen Production Carbon Intensity Threshold Study;
2. Metro Vancouver Hydrogen Investment Blueprint (hydrogen hub planning);
3. Regulatory Mapping Study; and,
4. Northeast B.C. Carbon Capture and Storage (CCS) Atlas.

EMLI has transferred \$998,000 to CICE for the purpose of hiring external consultants to complete the four deliverables on EMLI's behalf. All studies are expected to be complete in 2022. This funding is in addition to the \$35 million provided by the Province to CICE in 2021. CICE is now operational and provides regular updates to the Minister.

On July 5, 2022, the CICE announced \$3.58 million in funding awards from their inaugural Open Call for Innovation. Funded projects and companies include:

- Battery and Energy Storage: Moment Energy Inc. and Corvus Energy Inc.
- Bio/Synthetic Fuels and Renewable Natural Gas: Hydron Energy, Parkland Refining BC Ltd.
- Hydrogen: Hydra Energy, Ekona Power, Hydrogen Technology and Energy Corporation, Ballard Power Systems.



## Royalty Review

The Ministry undertook the first comprehensive review of oil and gas royalties in BC in nearly 30 years. The Ministry was asked to ensure that the royalty system is positioned to support achievement of government's goals for economic development, fair return on our natural resources and environmental protection. The Ministry of Energy, Mines and Low Carbon Innovation worked with the Ministry of Finance, Ministry of Environment and Climate Change Strategy and the Oil and Gas Commission on the review and retained independent expert contractors to provide technical advice to government. The results of the royalty review were announced in May 2022, and work is ongoing to implement these results. Effective September 1, 2022 a range of outdated fossil fuel subsidies will be eliminated for new oil and gas wells drilled in BC.

## Public Interest Bonding Strategy

EMLI announced an Interim Major Mines Reclamation Security Policy on April 5th, 2022. This policy will provide a solid foundation for the ongoing ENV-led Public Interest Bonding Strategy.

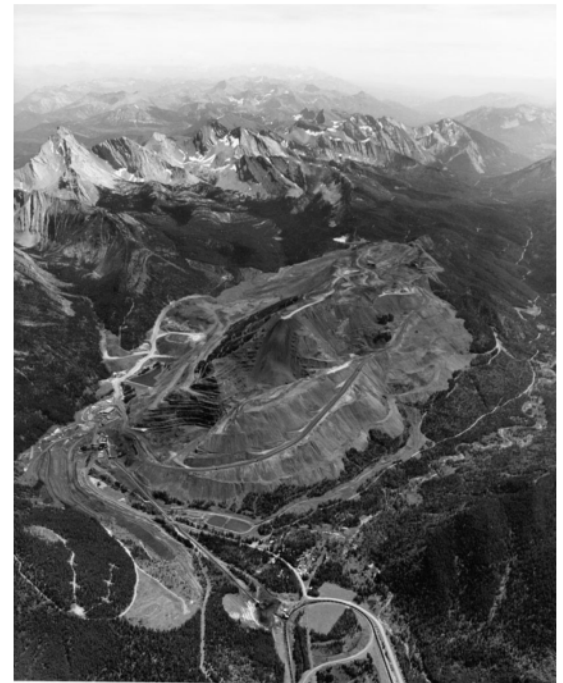
The Government of British Columbia is conducting a review of financial assurance mechanisms (e.g., bonding) under the Environmental Management Act. The Province released a discussion paper, on April 13, 2022, and feedback was requested on policy approaches to ensure that industry pays the full cost of environmental clean-up and reclamation.

The Public Interest Bonding Strategy aims to establish financial assurance mechanisms for existing active and new

projects that pose high environmental and financial risks, with the goal of protecting the Province and British Columbians from foreseen clean-up costs.

The Ministry of Energy, Mines and Low Carbon Innovation has developed an interim reclamation security policy (the Interim Policy) specific to mining. The Interim Policy applies to major mines and is being implemented under the existing legal framework. The broader work to address Phase 1 of the Public Interest Bonding Strategy will consider opportunities to improve the legal framework for financial assurance, and the tools and mechanisms that support this framework. This includes major mines regulated by the Mines Act as well as other industrial projects regulated under the Environmental Management Act. The Interim Policy aims to ensure reclamation liability cost estimates for major mines are consistently and efficiently calculated, reviewed, and reflected in the required

reclamation security. It (and associated tools under development) will help reduce the differential between the reclamation liability and the financial assurance amounts held. The Public Interest Bonding Strategy will review the Interim Policy for tools and approaches that may apply to the broader scope of the strategy, and the Interim Policy will be updated as needed following the conclusion of the strategy.



## Energy Efficiency for Buildings



The CleanBC Better Homes and Better Buildings program provides financial incentives and low-interest financing to help households and businesses save energy and reduce GHG emissions through heating equipment replacement and building envelope improvements. The program is funded through 2024/25. Budget 2022 included a PST exemption on heat pumps, paired with an increase to the PST on fossil fuel alternatives to 12 per cent. It also included a new temporary tax credit - the Clean Buildings Tax Credit - for retrofits that improve the energy efficiency of eligible multi-unit residential buildings and commercial buildings.

The CleanBC Roadmap commits to shifting gas utility incentives away from conventional gas-fired heating

equipment such as furnaces and boilers, towards building-envelope improvements such as insulation and better windows. The Ministry is working on DSM regulation amendments that will carry out this commitment. The Roadmap to 2030 also commits to a new regulatory tool - placing a cap on emissions for natural gas utilities and enabling a variety of pathways to achieve it. This will drive additional utility investment in energy efficiency, renewable gas, and other decarbonization actions.

## Site C Update

In January 2022, Government approved the temporary exclusion of Area E and Ice Bridge Road from the Agricultural Land Reserve. Area E, which was identified and consulted on as part of the Site C Project's Environmental Assessment Certificate, is required to provide a source of aggregate for the continued construction of the earthfill dam.

Reclamation of Area E will be completed by December 31, 2025 and will include consultation with impacted Treaty 8 Nations. In March 2022, BC Hydro achieved a significant milestone by energizing the 2nd 500 kilovolt transmission line from Site C to Peace Canyon ahead of schedule. In June 2022, BC, BC Hydro and the Government of Canada announced a litigation settlement with the West Moberly First Nation with respect to Site C.



The settlement includes:

- an impact and benefits agreement between BC Hydro and West Moberly;
- two agreements between BC Hydro and West Moberly providing West Moberly contracting opportunities.
- a tripartite land agreement, between the Province, BC Hydro and West Moberly; and
- an agreement providing for the release of West Moberly's claims against the Site C project.

## Electrification Climate Objectives



In June 2022, B.C. and Natural Resources Canada (NRCAN) launched the Regional Energy and Resources Tables

initiative for B.C. This ongoing and collaborative work is aimed at setting out joint transformational actions to create a low carbon future through the development of place-based economic strategies. Initial work is focusing on: electrification; clean fuels; carbon capture, utilization and storage; forest bioeconomy; and critical minerals.

## Implementation of Fuel Price Transparency Act

The *Fuel Price Transparency Act* (FPTA) is meant to be a tool that supports a competitive market for gasoline and diesel by collecting information from companies selling fuel in the province and publishing information to support competitiveness.

In January 2022 BCUC finalized its Confidentiality Framework that outlines the types of data that would be held confidential by the BCUC, as well as the tools the BCUC can use to publish the information it receives. This framework balances the competitiveness goals of the FPTA and the commercial interests of the companies that supply fuel in the province. The BCUC has completed the Retail Pilot project and has submitted its final recommendations that will help to guide any future regulations for ongoing data collection targeted at the retail component of the fuel supply chain in British Columbia (BC).

## Reduction of Methane Emissions in the Oil & Gas Sector

A review of the provincial methane regulations is currently underway. This review, combined with research being directed by BC's Methane Emissions Research Collaborative, will inform the development of potential amendments to the Drilling and Production Regulation to ensure the provincial methane regulations are best in class.



In spring 2022, the Ministry provided comments back to the federal government regarding its discussion paper on Canada's new commitment to reducing oil and gas methane emissions by at least 75 percent by 2030 compared to 2012 levels. Canada intends to publish strengthened draft regulations for public comment by early 2023.

The Ministry will be working to align amendments to B.C. regulations with any new federal requirements to ensure an equivalency agreement can be reached going forward. The Province will work with the federal government to ensure its amendments are evidence-based; consider compliance costs to industry and government; and be flexible enough to accommodate B.C.'s unique operating contexts. The current equivalency agreement is set to expire in 2025.

## Mining Jobs Taskforce Recommendations



In 2022 EMLI continued implementation of the BC Mining Jobs Task Force recommendations to support mining sector competitiveness and to strengthen this important sector and create good jobs for British Columbians. Almost all have been completed or substantially started. Recent implementation highlights include the establishment of a Responsible Minerals and Metals Action Plan Advisory Committee, and advancement of the Training Roadmap in collaboration with the Ministry of Advanced Education and Skills Training.

## Mining Innovation Hub

One of the key recommendations of the BC Mining Innovation Roadmap was the establishment of the BC Mining Innovation Hub (Hub). The Hub would identify and support innovation, training for workers in new technologies, regulatory excellence, environmental management, and low-carbon approaches. In addition to our focus on advancing regulatory excellence/permitting effectiveness initiatives to address improve competitiveness we continue to work to implement priority one recommendations identified by in Innovation Roadmap including the development of an innovation hub and test mine. Through 2022, the Ministry has engaged with sector stakeholders and prospective partners to explore potential models for a Mining Innovation Hub that advances key Innovation priorities of the Province, Indigenous groups, mine operators, explorers and academia. This work will continue into Fall 2022 with goal of developing a preferred option for consideration in early 2023.



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## Highlights January to June, 2022

### First Nations Leadership Council (FNLC)

- First ever meeting with FNLC and EMLI Minister to discuss issues pertaining to our Ministry's mandate and reconciliation objectives.



### Innovative Clean Energy Fund

- The Innovative Clean Energy (ICE) Fund is a Special Account, funded through a levy on certain energy sales, designed to support the Province's energy, economic, environmental, and greenhouse gas reduction priorities, and to advance BC's clean energy sector.
- A partnership between Sustainable Development Technology Canada and the ICE Fund has resulted in the Province meeting its \$20 million commitment in March 2022, totaling sixteen approved projects, with a combined total project value of over \$338 million.
- The most recent ICE Fund contribution of \$700,000 is in support of a B.C.-based company to develop solar-powered, autonomous vessels and ocean data analytic platforms for maritime monitoring.
- A \$2 million funding commitment was met in March 2022 to support a \$10.6 million preliminary engineering and design study of Huron Clean Energy's Electrofuels Plant in Merritt, B.C. The plant will use Carbon Engineering's Direct Air Capture and AIR TO FUELS™ technologies to combine atmospheric carbon dioxide with hydrogen to produce renewable fuel, such as gasoline, diesel, and jet fuel.
- The Ministry has identified several high potential partnership opportunities with federal government agencies to support CleanBC objectives from Budget 2022's one-time funding of \$25 million to further support clean energy and clean technology partnerships.

## **Mineral Tenure Act (MTA) Modernization**

- Committed to modernize the MTA in cooperation and consultation with First Nations and First Nations organization under BC's Declaration Act Action Plan released March 30, 2022.
- Developed a plan for collaboration and engagement with First Nations, First Nations organizations and industry and other stakeholders and initiated work with the First Nations Energy and Mining Council.

## **Standing Code Review Committee**

- The Committee voted to move forward on an Order in Council to go to Cabinet to enact revisions to the Health, Safety and Reclamation Code for Mines in BC (the Code) on:
  - updating requirements related to dangerous occurrences;
  - removing gendered language;
  - adding in a regulatory requirement for universal washroom facilities; and,
  - introducing the use of autonomous and semi-autonomous mining systems on BC mines.
- The Committee established a United Nations Declaration Sub-Committee to support aligning Code revisions with the United Nations Declaration on the Rights of Indigenous Peoples.

## **Mines Digital Services**

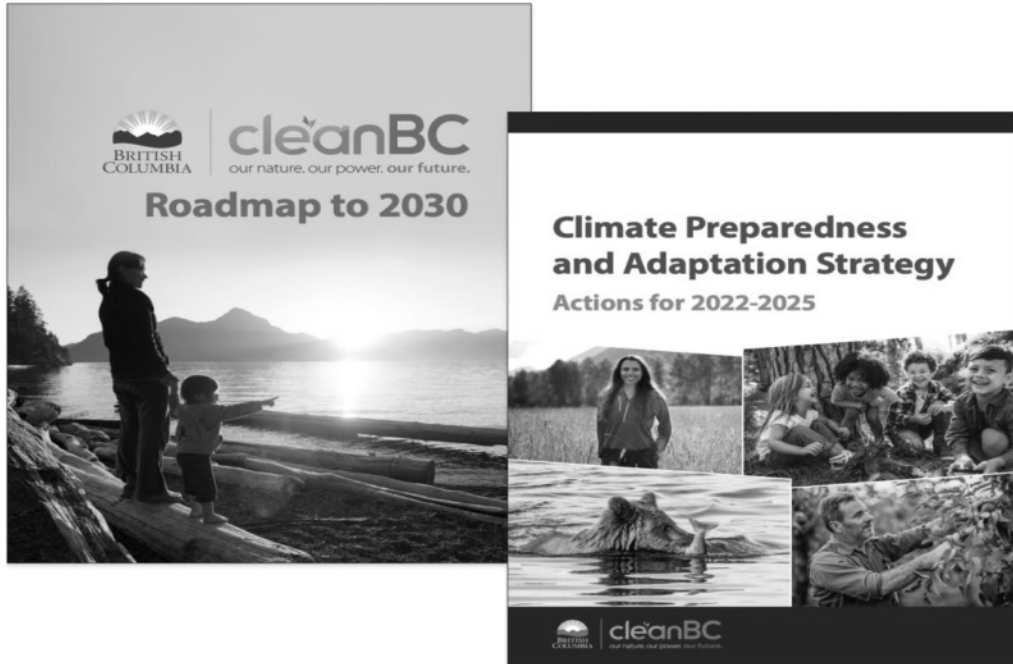
- MDS continues work to develop digital tools to support major mines permitting processes, releasing three significant new features for use by government technical and permitting specialists and mine operators related to intake and processing of major mines project applications.
- Development of these digital tools continues to prioritize connecting NR sector IT systems to support efficient and transparent permitting and oversight and mining in BC.

## **Indigenous Engagement in Mining Compliance Activities**

- The Mines Health, Safety and Enforcement Division (MHSED) continues to engage with Indigenous Nations to provide general familiarization about mining and compliance with the goal of increased collaboration in compliance activities. MHSED's engagement work included:
  - Providing six training sessions with Indigenous Nations for accompanied inspections.
  - Training ten new individual Indigenous representatives for accompanied inspections.

- Conducting 18 accompanied inspections where Indigenous Nations participated (in person) in mining compliance activities.

## CleanBC Roadmap to 2030



- The CleanBC Roadmap to 2030 outlines a range of actions to reduce emissions in the oil and gas sector, which is currently the source of 20% of B.C.'s total emissions and 50% of industrial emissions. Key actions in the six-month period between January and June 2022 include planning and early engagement with the sector on pathways toward achieving the updated Roadmap goals, including the near elimination of oil and gas sector methane emissions by 2035, strengthening the Low Carbon Fuel Standard, and setting an emissions cap that natural gas utilities must achieve by 2030.

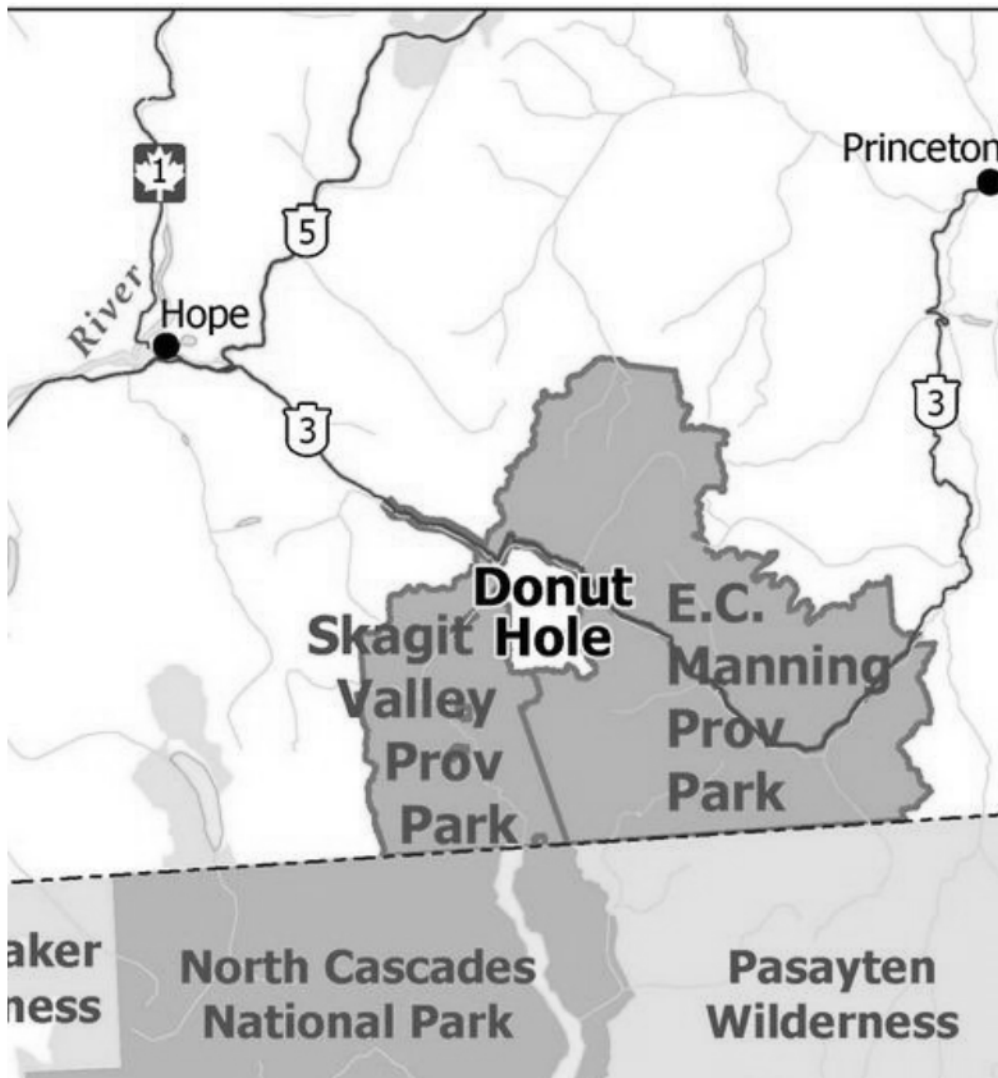
## Clean Growth Infrastructure Royalty Program

- The Oil and Gas Division ran its final Request for Applications (RFA) under the Clean Growth Infrastructure Royalty Program from March 8 to May 19. The fourth and final RFA of the program offered \$150 million in royalty deductions and once again was oversubscribed receiving a strong response from industry. Ten companies submitted a total of fifty-seven project applications. Together the 57 proposed projects represent \$896 million in infrastructure capital investment, with a total request for \$285 million in royalty deductions.
- This partnership program contributes to the Province's comprehensive CleanBC plan for climate action, clean energy, and sustainable economic growth and is designed to support achievement of the province's emissions reduction targets while also supporting rural economic growth, jobs, and competitiveness.
- OGD staff will evaluate the applications over the summer and notify successful applicants by the end of August 2022.

## First Nations Collaboration Agreements

- BC Hydro Site C settlement with West Moberly First Nation.
- Tahltan Central Government and BC agreement related to the Eskay Creek Revitalization Project. First ever DRIPA Section 7 consent based decision-making agreement.

## Mineral Tenure Surrender in Skagit



- Mineral tenures were surrendered in January 2022 after the successful completion of negotiations with Imperial Metals for the company to voluntarily surrender their mineral rights. Imperial metals were allocated at \$24M in the negotiated outcome, with funding coming from the Province, the Nature Conservancy of Canada, the Skagit Environmental Endowment Fund, Washington State, and the City of Seattle.

BC Parks is initiating engagement with First Nations in the coming months to help determine their vision for the long-term protection of the area.

## **BC Hydrogen Office**

- On March 31, 2022, Premier John Horgan announced the BC Hydrogen Office at the GLOBE Forum in Vancouver. The announcement was in response to the need to simplify multi-jurisdictional review and permitting processes to move projects forward.
- The BC Hydrogen Office is the Province's one-stop-shop for hydrogen. The Office will work with federal and local governments to help attract investment and rapidly expand hydrogen development in B.C.
- The Office will be housed within the Ministry of Energy, Mines and Low Carbon Innovation (EMLI), and is aligned with the BC Hydrogen Strategy released in July 2021.
- The Province is well positioned to meet increasing demand for low-carbon solutions and capture a significant part of the global hydrogen market. The establishment of the Office is an investment in B.C.'s low-carbon future and will ensure the creation of new cleantech jobs and opportunities for people across the province.

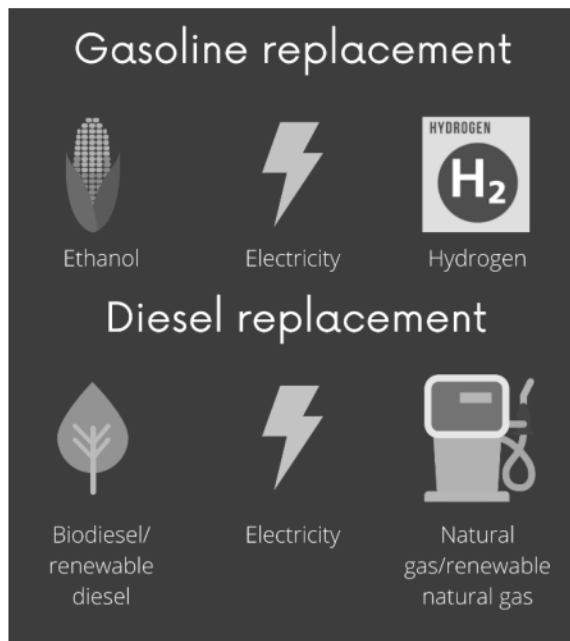
## **BC Hydrogen Strategy and the BC Centre for Innovation and Clean Energy**

- The Province released the BC Hydrogen Strategy, which clarifies how the province will promote, incentivize, and support the development of low carbon hydrogen production, use and export over the next 10 years. Ministry staff are now tracking 490 proposed BC hydrogen projects with a potential investment of approximately \$7 billion.
- The BC Centre for Innovation and Clean Energy (CICE) is a member-based, non-profit corporation designed to support the development and global scaling of B.C. based decarbonization technologies, with the primary focus on commercialization. A mandate letter commitment, CICE is funded by \$35 million from B.C., \$35 million from the federal government and \$35 million from Shell for a total of \$105 million. In February 2022, CICE and the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) established a five-year Trusted Partnership and Shared Cost Arrangement (SCA) to collaborate on implementation of the B.C. Hydrogen Strategy.

## **Bill 17 – Removal of Assayers Requirement**

- Repealed unneeded legislative requirements for certification of assayers while maintaining effective oversight of the mining sector.

## Bill 15 – Low Carbon Fuels Act



- In Spring 2022, the Province passed the Low Carbon Fuels Act, which will replace the current Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act. The new Act will support increased production and use of made-in-B.C. low carbon transportation fuels, creating new jobs and economic opportunities while reducing greenhouse gas emissions from fossil-derived gasoline and diesel. The Act requires fuel suppliers to progressively decrease the overall average carbon intensity of the fuels they supply to consumers in B.C.
- The new Act is intended to come into force January 1, 2023, and the necessary regulations are currently being developed.
- The new Act expands the LCFS to enable inclusion of more fossil fuels such as jet fuel and marine fuels, and enables credits to be issued for the displacement of fossil fuels in remote locations, as well as for projects that capture and sequester carbon dioxide directly from the air.
- Bill 15 implements a commitment in the CleanBC Roadmap to 2030 to expand and increase the effectiveness of the LCFS and supports the development of production capacity for 1.3 billion litres per year of made-in-B.C. renewable fuels by 2030.

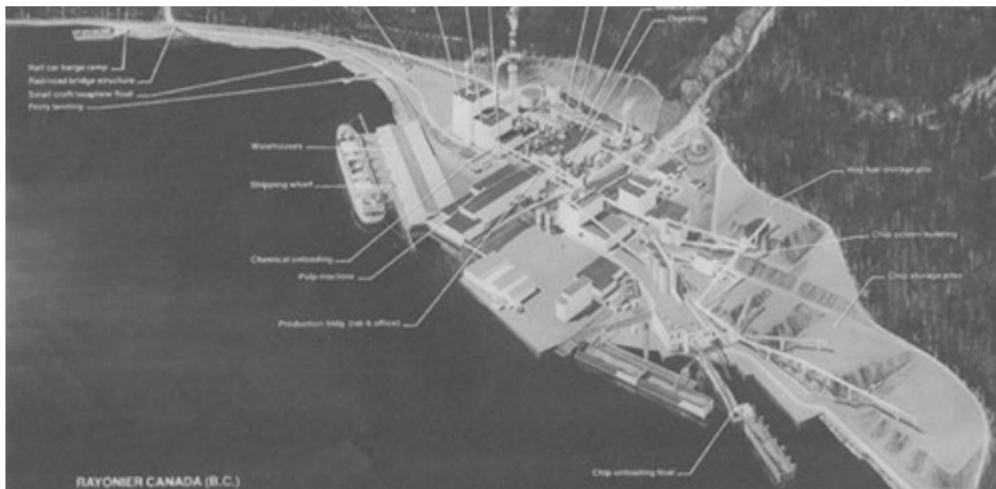
## New Royalty Framework

- On May 19, 2022, the Province introduced a new oil and gas royalty system that puts the interests of British Columbians first and eliminates outdated and inefficient fossil-fuel subsidies. A transitional system will take effect on Sept. 1, 2022, with a new royalty framework scheduled to be in place effective Sept. 1, 2024. The new

framework will be based on a revenue-minus-cost royalty system. It will use price-sensitive royalty rates designed to achieve a return of 50% of profits on the public resource after costs are accounted for. Revenue-minus-cost royalty systems are globally recognized for maximizing economic value and minimizing distortions.

- Effective Sept. 1, 2022, new wells (i.e., those that begin drilling on or after that date) will not be eligible to qualify for the old deep-well royalty program, the Marginal Well Royalty program, the Ultra marginal Royalty program, the Low Productivity Royalty program, or the Clean Growth Infrastructure Royalty programs.
- Wells drilled beginning Sept. 1, 2022, will pay a 5% royalty rate for the equivalent of the first 12 production months (8,760 production hours of production). At the end of this period, these wells will pay the prevailing price-sensitive royalty rates.

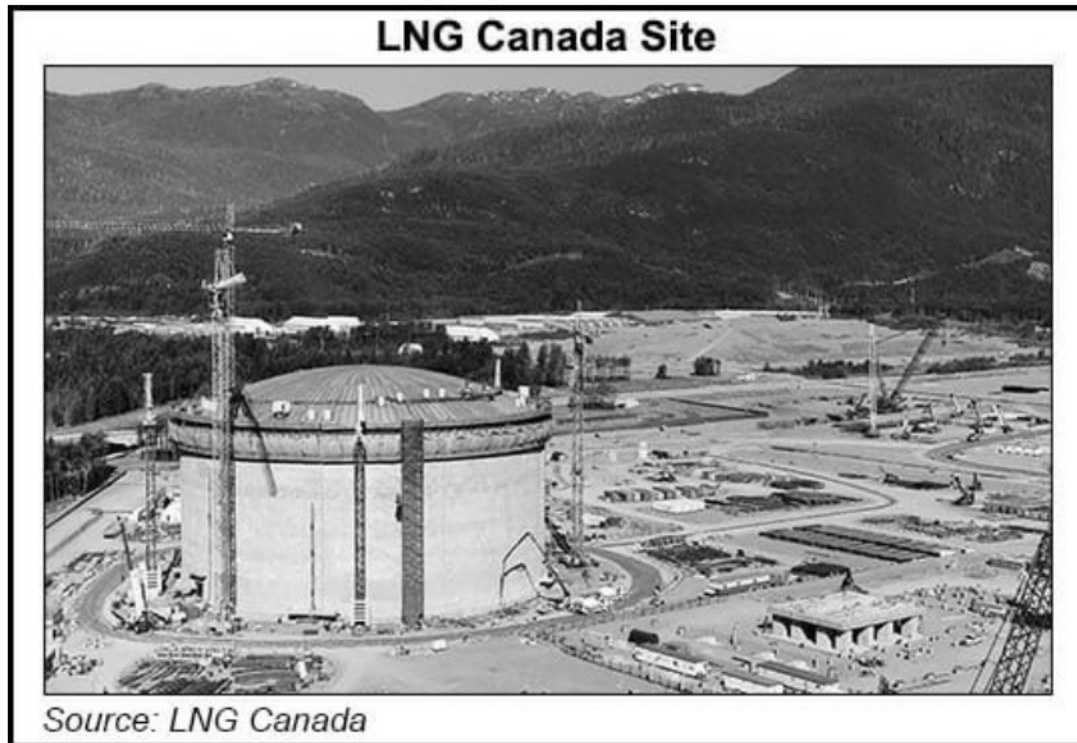
## Woodfibre Implementation Group Update



- The Woodfibre Implementation team, working with the project proponent and FortisBC, achieved a major milestone in seeing the Woodfibre LNG project issue its Final Notice to Proceed. Pre-construction work has begun, and construction is anticipated for early 2023. FortisBC announced a limited Notice to Proceed to its contractor responsible for the tunnel component of the pipeline supporting Woodfibre LNG.

## LNG Canada Project implementation

- The LNG Canada Implementation Secretariat facilitated significant progress on the LNG Canada export facility and its connecting Coastal GasLink pipeline project. Within the first six months of 2022, the export facility was hitting critical construction milestones and approaching 60 per cent completion. A major highlight occurred on March 9, 2022, when sixteen First Nations communities signed option agreements to purchase an equity stake in the Coastal GasLink Pipeline Limited Partnership.



## Tours and meetings to June, 2022

**January 17, 2022**

### **First Nations Leadership Gathering**

The annual Gathering is organized in partnership between the First Nations Leadership Council and the Government of British Columbia. It is one of the largest gatherings of provincial and First Nations leaders in the country.

economic outlook, geopolitics, energy policy and regulation, climate change and technological innovation, among other topics. The conference features prominent speakers from energy, policy, technology, and financial industries, including U.S. Special Presidential Envoy for Climate John Kerry.

**March 7-9, 2022**

### **Cambridge Energy Research Associates Week**

CERAWeek is an annual energy conference in Houston, Texas, chaired by Pulitzer Prize winner Daniel Yergin, vice-chairman, IHS Markit and Jamey Rosenfield, vice chair, CERAWeek, senior vice president, IHS Markit. The conference provides a platform for discussion on a range of energy-related topics, including sessions on the world



**March 21-22, 2022**  
**Nanaimo & Area Tour**



The tour included visits to Vancouver Island University (VIU)'s electric vehicle (EV) maintenance training program, Canadian Electric Vehicles, and Black Diamond Mechanical with Adam Walker, MLA for Parksville - Qualicum, on the first day. The second day included visits to VIU's Cowichan Valley campus' heat pump installation training program, BC Forest Discovery Centre's EV charging station, and two of Canadian Home Builders' Association of British Columbia (CHBA BC)'s heat pump demonstration sites.

**March 28, 2022**  
**Consular Corps. Briefings**

The annual event is hosted by the Minister of Energy, Mines and Low Carbon Innovation and the Minister Responsible for Consular Corps. About 40 consul generals, including honorary, attended this event that was held in person at the Legislature for the first time in two years.

**April 12, 2022**

**Kamloops Exploration Group Conference**

The inaugural KEG Conference took place more than 30 years ago, led by a small group of dedicated individuals who were passionate about providing a platform to discuss industry-specific topics and create positive networking opportunities. Today, the KEG Conference has grown to include

numerous individuals and businesses, and continues to provide an informative and networking-based platform connecting prospectors, geologists, suppliers, manufacturers, and investors alike.



**May 11-12, 2022**

**Site C Visit with the Premier**

In February 2022, the Government of British Columbia provided schedule and cost updates to the Site C project, acting to address the challenges facing Site C from COVID-19 and other factors. Today, BC continues to ensure the project will be completed safely, on time and on budget, providing British Columbians with clean, reliable, and affordable electricity for the next 100 years.

**May 25-26, 2022**

**BC Sand, Stone and Gravel Association AGM**

Formerly the Aggregate Producers Association of BC, the British Columbia Stone, Sand & Gravel Association (BSSGA) was founded in 1988, and since that time it has been actively representing the aggregate industry, and Association members, at all levels of government and in the community.

**June 6-8, 2022**

**Tahltan Visit with the Premier**

The visit included tours of Dease Lake Airport, which received a \$9M provincial investment through Stronger BC funding; schools in Dease Lake and Iskut; the Tenh Dzetle Conservancy created in partnership with Tahltan Central Government, Skeena

Resources, Natural Conservancy Canada, and BC Parks Foundation; and Red Chris Mine, a \$4B investment in BC. The visit was preceded by the Government of British Columbia taking a historic step forward by entering into the first consent-based decision-making agreement under the Declaration Act for the Eskay. Creek Revitalization Project in Tahltan Territory.



June 17, 2022 North Island Tour



Tour included Myra Falls Mine, located 90kms southwest of Campbell River. The mine has been operational since 1965 and employs more than 300 people. Ministry of Energy, Mines and Low Carbon Innovation

also helped government caucus MLAs organize a tour of John Hart Dam, which is now going through a seismic upgrade, providing economic and employment opportunities for the community.

## **Policy Items & Announcements**

### **Mineral Tenure Surrender in Skagit**

The Province has signed an agreement with Imperial Metals Corporation and the Skagit Environmental Endowment Commission that will see Imperial Metals return to the Province all its mining and related rights in the nearly 5,800-hectare area within the Silverdaisy watershed known as the Skagit River Donut Hole, surrounded by both Skagit Valley Park and E.C. Manning Park, and between Hope and Princeton.

### **BC Hydrogen Office**

The Province has established an office to expand hydrogen deployment and to streamline projects from proposal to construction. The BC Hydrogen Office is working with federal and local governments to help attract investments and simplify the multi-jurisdictional review and permitting processes.

### **Bill 17 - Removal of Assayer Requirements**

The assayer requirements were introduced in the late 1800s and have become redundant due to the regulation of professional geoscientists and growth in commercialized laboratories. Repealing these requirements has brought the Province in line with other jurisdictions.

### **Bill 15 - Low Carbon Fuels Act**

BC's Low Carbon Fuel Standard (LCFS) is the largest contributor to CleanBC goals and is expected to lead to a reduction of five million tonnes of greenhouse gas emissions by 2030, 31% of the amount required to meet CleanBC Roadmap climate targets. Ministry of Energy, Mines and Low Carbon Innovation updated the LCFS to support

further increases in low-carbon fuel production, creating new jobs and economic opportunities for British Columbians, while significantly reducing greenhouse gas emissions.

#### **Community Outreach Incentive Program (COIP)**

The Ministry has provided \$118,000 through COIP to support B.C. communities, organizations and local governments delivering local and regional EV-awareness campaigns that include video production, EV events and demonstrations.

#### **First Nations Clean Energy Business Fund**

Since the First Nations Clean Energy Business Fund (FNCEBF) began, more than 136 Indigenous communities have benefited from nearly \$19 million in capacity and equity funding. In fiscal 2021-22, the FNCEBF distributed more than \$8 million to First Nations communities.

#### **Statement on Mineral Exploration Week**

BC is home to a world-class mining jurisdiction and a thriving mineral-exploration sector. The responsibly sourced metals and minerals found in B.C. are crucial to the global low-carbon supply chain. Mineral exploration employs thousands of people, with a cluster of mining companies headquartered on the Lower Mainland.

#### **CleanBC Industry Fund - Third Round**

As part of the CleanBC Industry Fund's third round of investment, the Province announced 25 projects that will support the adoption of cleaner technologies and reduce emissions. Total emissions reduction from this program to six million tonnes of carbon dioxide equivalent (CO<sub>2</sub>e), which is equal to taking 130,000 cars off the road each year for approximately 10 years.

#### **Budget 2022 - CleanBC Items**

With more than \$1.2 billion in new funding for CleanBC, Budget 2022 is strengthening communities and expanding opportunities

for clean economic growth. The new funding builds on the \$2.3 billion previously committed to CleanBC to reduce emissions across sectors.

#### **EV Skills Training Expansion**

Under the CleanBC Go Electric program and in partnership with Trades Training BC, the program will soon be offered at Vancouver Island University, College of the Rockies and Kwantlen Polytechnic University. This expansion will prepare British Columbians for good-paying jobs of the future. In 2021, the program was expanded to Okanagan College, College of New Caledonia and Camosun College after a pilot program at British Columbia Institute of Technology

#### **CleanBC Building Innovation Fund**

The CBBIF Fund has provided \$9.65 million to manufacturers, developers, builders and researchers to demonstrate and commercialize new energy-efficient and low-carbon building technologies

#### **BC Zero-Emissions Vehicle Uptake**

As a result of the Province's CleanBC Go Electric programs and rebates, the number of electric vehicles in BC has increased by 1,600% in the past six years.

#### **Advanced Research & Commercialization Fund**

The projects under the \$8.18-million round of funding span all transportation modes, from electric bikes to rail and aviation and will benefit seven different municipalities in BC, including Harbour Air's conversion of an existing aircraft to be fully electric-powered.

#### **Innovative Clean Energy (ICE) Fund**

Since 2008, the Innovative Clean Energy (ICE) Fund has committed approximately \$110 million to support pre-commercial clean-energy technology projects, clean-energy vehicles, research and development, and energy-efficiency programs. ICE funding is derived from a levy on the sale of specified energy products. ICE Fund

partners have included First Nations, universities, municipalities, and many emerging clean-tech companies throughout BC.

#### **Vancouver Island Hydrogen Fueling Station**

BC-based Hydrogen Technology and Energy Corporation (HTEC) has partnered with 7-Eleven Canada to open Vancouver Island's first public hydrogen-fueling station at an Esso in Saanich. The Saanich station received \$500,000 from the Province's CleanBC Go Electric program and \$1 million from Natural Resource Canada's Electric Vehicle and Alternative Fuel Infrastructure Deployment Initiative.

## Conclusion

These accomplishments would not have been possible without the dedication and hard work of EMLI staff. EMLI will continue to deliver programs and services to sectors that generate revenue to fund education and healthcare, while encouraging all British Columbians to reduce GHG emissions.

Bruce Ralston  
Minister

September 2022



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s.12 ; s.13 ; s.17

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s.12 ; s.13 ; s.17

Page 074 of 366

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s.12 ; s.13 ; s.17



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s.12 ; s.13 ; s.17

Page 076 of 366

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s.13 ; s.17

## EMLI MO Planning Session Follow-up

Wednesday, October 05<sup>th</sup>, 2022

2:30pm – 3:30pm

**Purpose: Update on progress since last MO planning session and develop a proactive twelve-month tour and stakeholder engagement plan.**

Time	Session	Objective	Notes
2:30pm	Refresher	<ul style="list-style-type: none"><li>MO to present six-months-in-review document</li></ul>	
2:40pm	Proactive Outreach	<ul style="list-style-type: none"><li>MO to present updated stakeholders list</li><li>MBR provides his feedback</li></ul>	
2:45pm	Calendar & Tours	<ul style="list-style-type: none"><li>MO to review progress on the calendar built during the June 14, 2022 planning session, including all known events/items on the calendar (break weeks, statutory holidays, Minister's planned annual leave), and dates for upcoming tours</li></ul>	Physical calendar is now on the wall.
3:00pm	Planning Documents	<ul style="list-style-type: none"><li>MO staff to review EMLI Follow-up Items &amp; Ongoing Priorities</li></ul>	
3:15pm	Next Steps	<ul style="list-style-type: none"><li>MO to focus on 3-5 priorities for Fall Session 2022</li><li>MO to schedule the next planning session in early December 2022</li><li>MO to ensure enough CO blocks between October and December 2022</li></ul>	
3:30pm	End		

## Warnock, Joie EMLI:EX

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**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 27, 2022 5:09 PM  
**To:** Meggs, Geoff PREM:EX; Hockin, Amber PREM:EX; Bain, Don PREM:EX; Machell, Aileen PREM:EX; Howlett, Tim GCPE:EX; McKinnon, Michael PREM:EX; Brewer, Lia PREM:EX; Byers, Lindsay PREM:EX  
**Cc:** Warnock, Joie EMLI:EX  
**Subject:** EMLI 2022 Half Year in Review  
**Attachments:** EMLI\_2022\_Half\_Year\_in\_Review\_Final.pdf

Hi,

Minister Ralston has asked us to share the EMLI 2022 Half Year in Review document with the Premier's Office. Please see attached and kindly let us know if there is any additional information that you would like us to share.

Sincerely,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: Eugene.Tseng@gov.bc.ca



Ministry of  
Energy, Mines and  
Low Carbon Innovation

# **EMLI 2022**

## A Year in Review Part I January - June 2022



## A MESSAGE FROM PREMIER JOHN HORGAN



We have been through a lot together over the last few years.

Despite the many challenges, our strengths remain—and our future is bright.

Here in B.C., we are blessed with abundant natural resources. We are leaders in clean energy and technology. And we are strategically located as a gateway to the Asia Pacific and major port to the United States.

Our biggest asset by far is our people.

British Columbians are innovative, entrepreneurial, highly skilled and hard working. By coming together in tough times and investing in people, we have the strongest economic recovery in Canada—with over 30,000 jobs created in September alone.

Now we must ensure that B.C.'s prosperity is shared more widely. We must develop our resources more responsibly. And we must make sure clean energy solutions are affordable and our transition to a lower carbon economy doesn't leave people behind.

Over the last six months, Minister Ralston and his team have done incredible work in helping to build that stronger, better B.C. for everyone.

CleanBC's Go Electric rebate program is helping more people purchase an electric vehicle to save money on gas and reduce their carbon footprint.

A new oil and gas royalty system is ending inefficient fossil fuel subsidies, giving British Columbians a fair return and allowing us to invest more in their priorities.

Work continues to give drivers more accountability when it comes to gas and diesel prices at the pumps with implementation of the Fuel Price Transparency Act.

And BC Hydro's electrification is making it easier and more affordable for people and businesses to switch from fossil fuels to clean made-in-BC hydroelectricity.

While much progress has been made, there is much more work to be done.

But if we continue to put people first and work together to tackle the biggest challenges facing B.C., our best days will be ahead of us.

HONOURABLE JOHN HORGAN  
PREMIER OF BRITISH COLUMBIA

## MESSAGE FROM THE MINISTER



Despite the challenges coming out of the COVID-19 pandemic, the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) has been productive in the first six months of 2022 and has made significant progress on important initiatives related to the energy and mining portfolio. This Six Months in Review document highlights some of EMLI's accomplishments on key initiatives, reducing greenhouse gas emissions, creating good-paying jobs, and making life better for all British Columbians.

In my February 2022 Mandate Letter, Premier Horgan tasked me with making progress on a number of initiatives important to our government relating to the energy and mining portfolio, 6 out of 13 of which are completed. The completions include the removal of Provincial Sales Tax on used electric vehicles (EVs) in Budget 2022; the expansion of the CleanBC Specialty-Use Vehicle Incentive Program - Budget 2022 increased the maximum rebate amount for Class 8 on-road ZEVs from \$100,000 to \$150,000 and increased the maximum rebate amount of heavy-duty yard-tractors from \$50,000 to \$150,000; and the BC Centre for Innovation & Clean Energy is now operational and provides regular updates to me.

Furthermore, at the end of 2021, there were more than 3,100 public charging stations in BC, compared to just 781 in 2016. Now, for a limited time, BC residents, businesses, and municipalities can receive higher rebates for EV charging stations through the CleanBC Go Electric Charger Rebate and Fleets programs, covering as much as 75% of eligible purchase and installation costs for EV charging stations, an increase from the previous 50% coverage.

The Province is implementing a new oil and gas royalty system that puts the interests of British Columbians first and eliminates outdated and inefficient fossil-fuel subsidies. This includes eliminating the Deep Well Royalty Program, the largest oil and gas subsidy, as well as other outdated and inefficient programs, such as the Marginal Well, Ultramarginal Well, Low Productivity Well Rate Reduction and the Clean Growth Infrastructure Royalty programs.

In response to the direction for an Industrial Bonding Strategy, an interim reclamation security policy for BC's mining industry is better protecting the environment, improving the industry's sustainability, increasing transparency, and helping maintain a competitive industry.

The Ministry continues to make significant progress on other Mandate Letter items. The CleanBC Roadmap has several energy efficiency measures that the Ministry of Energy, Mines and Low Carbon Innovation is working to implement. The Site C project is on track to be completed in 2025 with a revised cost estimate of \$16billion. To advance industrial electrification, the Government of British Columbia and BC Hydro have launched BC Hydro's new five-year electrification plan, which will make it easier and more affordable for people to efficiently use more of BC's clean electricity in place of fossil fuel to power their homes, buildings, businesses, and vehicles.

To advance the implementation of the Fuel Price Transparency Act, from November 2020 to November 2021, the British Columbia Utilities Commission (BCUC) collected fuel data from a group of retail dealers in BC as part of a Retail Pilot. On March 31, 2022, the BCUC issued its Final Report for the Retail Pilot to the Government of British Columbia.

New methane regulations came into effect on January 1, 2020 and are designed to reduce methane emissions by 10.9 megatonnes of carbon dioxide equivalent over a 10-year period, which is equivalent to taking 390,000 cars off the road each year. Almost all of the Mining Jobs Task Force recommendations have been completed or substantially started, and Ministry staff are now exploring options for a virtual Mining Innovation Hub.

The significant progress we made in the last six months on these key initiatives would not have been possible without the dedication and hard work of EMLI staff.

Honourable Bruce Ralston  
Minister of Energy, Mines and Low Carbon Innovation  
September 30, 2022

## CleanBC and ZEVs



The CleanBC Go Electric Program provides ongoing rebates for zero-emission light-duty vehicles (LDVs), medium- and heavy-duty trucks and buses, ferries, and airport and port ground equipment, and makes investments in infrastructure, training, public outreach, and economic development. The *Zero-Emission Vehicles Act* and Regulation ensures that ZEVs are available to British Columbians.

The CleanBC Go Electric Program and *Zero-Emission Vehicles Act* and Regulation have been highly successful in: reducing market barriers; encouraging the adoption of ZEVs by British Columbians; leveraging private, municipal, and federal investment in ZEVs and infrastructure in BC; and supporting new economic opportunities in the ZEV sector. In 2021, light-duty ZEV sales represented 13% of all new LDV sales in B.C., and in the first quarter of 2020, 17% of LDV sales were ZEVs, the highest uptake rates in North America.

The CleanBC Roadmap to 2030 committed to increase deployment of EV charging stations, such that there is a geographically connected EV charging network by 2024, and 10,000 public chargers by 2030. At the end of 2021, there were more than 3,100 public charging stations in B.C., compared to 781 in 2016, and 50% of the geographically connected sites were already built or underway.

Budget 2022 included a \$74 million for the CleanBC Go Electric Program, including: \$10 million for home and workplace charger rebates; \$20 million for investments in public charging; \$30 million for zero-emission commercial vehicle projects; and \$0.375 million for local and Indigenous government planning. In August 2022, the CleanBC Go Electric Vehicle Rebate program transitioned to being means tested, and the Ministry is currently working on transitioning its funding source to revenues from BC Hydro's sales of credits obtained through the Low Carbon Fuel Standard. The CleanBC Go Electric Program supports growth of BC's ZEV sector, which has over 270 companies and organizations involved in all aspects of the supply chain employing more than 10,000 jobs, producing \$1.9 billion in total economic output, and contributing \$1.1 billion to the provincial gross domestic product.



Budget 2022 increased maximum rebate amount for Class 8 on-road ZEVs from \$100,000 to \$150,000 and increased the maximum rebate amount of heavy-duty yard-tractors from \$50,000 to \$150,000. Budget 2022 also implemented a PST exemption on the purchase of used ZEVs



## Increase EV Charging Capacity & Expansion of Home and Workplace EV Charging

The CleanBC Go Electric Program offers multiple streams, including:

- Home and workplace charger rebates, which provide up to \$350 for charging stations in homes, and up to \$2,000 for charging stations and free EV advisor services in apartments, condos, and workplaces.
- Rebates up to \$3,000 are available to complete an EV Ready Plan for condominiums and apartments. Increased rebates are available for Indigenous communities and businesses.
- Public infrastructure funding, which provides up to 50% funding for public fast charging stations (up to \$80,000) and up to 33% funding for public hydrogen fueling stations. Increased rebates of up to 90% of project costs (to a maximum of \$130,000) per station are available for Indigenous-owned DCFC stations.



## BC Centre for Innovation & Clean Energy

In February 2022, BC Centre for Innovation and Clean Energy (CICE) and the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) established a five-year Trusted Partnership and Shared Cost Arrangement (SCA) to collaborate on implementation of the B.C. Hydrogen Strategy (Strategy). This partnership will enable the Province to leverage the Centre's ability to act with more autonomy and flexibility than the government to rapidly progress shared climate objectives, and the Centre to build its brand as a key contributor to decarbonization.

To achieve four objectives as part of the initial Strategy implementation, EMLI's financial contribution will support the development of the following four studies:

1. Hydrogen Production Carbon Intensity Threshold Study;
2. Metro Vancouver Hydrogen Investment Blueprint (hydrogen hub planning);
3. Regulatory Mapping Study; and,
4. Northeast B.C. Carbon Capture and Storage (CCS) Atlas.

EMLI has transferred \$998,000 to CICE for the purpose of hiring external consultants to complete the four deliverables on EMLI's behalf. All studies are expected to be complete in 2022. This funding is in addition to the \$35 million provided by the Province to CICE in 2021. CICE is now operational and provides regular updates to the Minister.

On July 5, 2022, the CICE announced \$3.58 million in funding awards from their inaugural Open Call for Innovation. Funded projects and companies include:

- Battery and Energy Storage: Moment Energy Inc. and Corvus Energy Inc.
- Bio/Synthetic Fuels and Renewable Natural Gas: Hydron Energy, Parkland Refining BC Ltd.
- Hydrogen: Hydra Energy, Ekona Power, Hydrogen Technology and Energy Corporation, Ballard Power Systems.

## Royalty Review



The Ministry undertook the first comprehensive review of oil and gas royalties in BC in nearly 30 years. The Ministry was asked to ensure that the royalty system is positioned to support achievement of government's goals for economic development, fair return on our natural resources and environmental protection. The Ministry of Energy, Mines and Low Carbon Innovation worked with the Ministry of Finance, Ministry of Environment and Climate Change Strategy and the Oil and Gas Commission on the review and retained independent expert contractors to provide technical advice to government. The results of the royalty review were announced in May 2022, and work is ongoing to implement these results. Effective September 1, 2022 a range of outdated fossil fuel subsidies will be eliminated for new oil and gas wells drilled in BC.

## Public Interest Bonding Strategy

EMLI announced an Interim Major Mines Reclamation Security Policy on April 5th, 2022. This policy will provide a solid foundation for the ongoing ENV-led Public Interest Bonding Strategy.

The Government of British Columbia is conducting a review of financial assurance mechanisms (e.g., bonding) under the Environmental Management Act. The Province released a discussion paper, on April 13, 2022, and feedback was requested on policy approaches to ensure that industry pays the full cost of environmental clean-up and reclamation.

The Public Interest Bonding Strategy aims to establish financial assurance mechanisms for existing active and new projects that pose high environmental and financial risks, with the goal of protecting the Province and British Columbians from foreseen clean-up costs.

The Ministry of Energy, Mines and Low Carbon Innovation has developed an interim reclamation security policy (the Interim Policy) specific to mining. The Interim Policy applies to major mines and is being implemented under the existing legal framework. The broader work to address Phase 1 of the Public Interest Bonding Strategy will consider opportunities to improve the legal framework for financial assurance, and the tools and mechanisms that support this framework. This includes major mines regulated by the Mines Act as well as other industrial projects regulated under the Environmental Management Act. The Interim Policy aims to ensure reclamation liability cost estimates for major mines are consistently and efficiently calculated, reviewed, and reflected in the required reclamation security. It (and associated tools under development) will help reduce the differential between the reclamation liability and the financial assurance amounts held. The Public Interest Bonding Strategy will review the Interim Policy for tools and approaches that may apply to the broader scope of the strategy, and the Interim Policy will be updated as needed following the conclusion of the strategy.



## Energy Efficiency for Buildings



The CleanBC Better Homes and Better Buildings program provides financial incentives and low-interest financing to help households and businesses save energy and reduce GHG emissions through heating equipment replacement and building envelope improvements. The program is funded through 2024/25. Budget 2022 included a PST exemption on heat pumps, paired with an increase to the PST on fossil fuel alternatives to 12 per cent. It also included a new temporary tax credit - the Clean Buildings Tax Credit - for retrofits that improve the energy efficiency of eligible multi-unit residential buildings and commercial buildings.

The CleanBC Roadmap commits to shifting gas utility incentives away from conventional gas-fired heating equipment such as furnaces and boilers, towards building-envelope improvements such as insulation and better windows. The Ministry is working on DSM regulation amendments that will carry out this commitment. The Roadmap to 2030 also commits to a new regulatory tool - placing a cap on emissions for natural gas utilities and enabling a variety of pathways to achieve it. This will drive additional utility investment in energy efficiency, renewable gas, and other decarbonization

actions.

## Site C Update

In January 2022, Government approved the temporary exclusion of Area E and Ice Bridge Road from the Agricultural Land Reserve. Area E, which was identified and consulted on as part of the Site C Project's Environmental Assessment Certificate, is required to provide a source of aggregate for the continued construction of the earthfill dam.

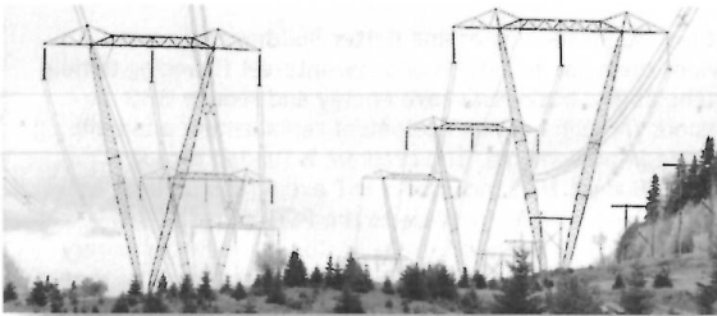
Reclamation of Area E will be completed by December 31, 2025 and will include consultation with impacted Treaty 8 Nations. In March 2022, BC Hydro achieved a significant milestone by energizing the 2nd 500 kilovolt transmission line from Site C to Peace Canyon ahead of schedule. In June 2022, BC, BC Hydro and the Government of Canada announced a litigation settlement with the West Moberly First Nation with respect to Site C.



The settlement includes:

- an impact and benefits agreement between BC Hydro and West Moberly;
- two agreements between BC Hydro and West Moberly providing West Moberly contracting opportunities;
- a tripartite land agreement, between the Province, BC Hydro and West Moberly; and
- an agreement providing for the release of West Moberly's claims against the Site C project.

## Electrification Climate Objectives



In June 2022, B.C. and Natural Resources Canada (NRCAN) launched the Regional Energy and Resources Tables initiative for B.C. This ongoing and collaborative work is aimed at setting out joint transformational actions to create a low carbon future through the development of place-based economic strategies. Initial work is focusing on: electrification; clean fuels; carbon capture, utilization and storage; forest bioeconomy; and critical minerals.

## Implementation of *Fuel Price Transparency Act*

*The Fuel Price Transparency Act (FPTA)* is meant to be a tool that supports a competitive market for gasoline and diesel by collecting information from companies selling fuel in the province and publishing information to support competitiveness.

In January 2022 BCUC finalized its Confidentiality Framework that outlines the types of data that would be held confidential by the BCUC, as well as the tools the BCUC can use to publish the information it receives. This framework balances the competitiveness goals of the FPTA and the commercial interests of the companies that supply fuel in the province. The BCUC has completed the Retail Pilot project and has submitted its final recommendations that will help to guide any future regulations for ongoing data collection targeted at the retail component of the fuel supply chain in British Columbia (BC).



## Reduction of Methane Emissions in the Oil & Gas Sector

A review of the provincial methane regulations is currently underway. This review, combined with research being directed by BC's Methane Emissions Research Collaborative, will inform the development of potential amendments to the Drilling and Production Regulation to ensure the provincial methane regulations are best in class.

In spring 2022, the Ministry provided comments back to the federal government regarding its discussion paper on Canada's new commitment to reducing oil and gas methane emissions by at least 75 percent by 2030 compared to 2012 levels. Canada intends to publish strengthened draft regulations for public comment by early 2023.

The Ministry will be working to align amendments to B.C. regulations with any new federal requirements to ensure an equivalency agreement can be reached going forward. The Province will work with the federal government to ensure its amendments are evidence-based; consider compliance costs to industry and government; and be flexible enough to accommodate B.C.'s unique operating contexts.

The current equivalency agreement is set to expire in 2025.





## Mining Jobs Taskforce Recommendations

In 2022 EMLI continued implementation of the BC Mining Jobs Task Force recommendations to support mining sector competitiveness and to strengthen this important sector and create good jobs for British Columbians. Almost all have been completed or substantially started.

Recent implementation highlights include the establishment of a Responsible Minerals and Metals Action Plan Advisory Committee, and advancement of the Training Roadmap in collaboration with the Ministry of Advanced Education and Skills Training.



## Mining Innovation Hub

One of the key recommendations of the BC Mining Innovation Roadmap was the establishment of the BC Mining Innovation Hub (Hub). The Hub would identify and support innovation, training for workers in new technologies, regulatory excellence, environmental management, and low-carbon approaches. In addition to our focus on advancing regulatory excellence/permitting effectiveness initiatives to address improve competitiveness we continue to work to implement priority one recommendations identified by in Innovation Roadmap including the development of an innovation hub and test mine. Through 2022, the Ministry has engaged with sector stakeholders and prospective partners to explore potential models for a Mining Innovation Hub that advances key Innovation priorities of the Province, Indigenous groups, mine operators, explorers and academia. This work will continue into Fall 2022 with goal of developing a preferred option for consideration in early 2023.

## Highlights January to June, 2022

### First Nations Leadership Council (FNLC)

- First ever meeting with FNLC and EMLI Minister to discuss issues pertaining to our Ministry's mandate and reconciliation objectives.



### Innovative Clean Energy Fund

- The Innovative Clean Energy (ICE) Fund is a Special Account, funded through a levy on certain energy sales, designed to support the Province's energy, economic, environmental, and greenhouse gas reduction priorities, and to advance BC's clean energy sector.
- A partnership between Sustainable Development Technology Canada and the ICE Fund has resulted in the Province meeting its \$20 million commitment in March 2022, totaling sixteen approved projects, with a combined total project value of over \$338 million.
- The most recent ICE Fund contribution of \$700,000 is in support of a B.C.-based company to develop solar-powered, autonomous vessels and ocean data analytic platforms for maritime monitoring.
- A \$2 million funding commitment was met in March 2022 to support a \$10.6 million preliminary engineering and design study of Huron Clean Energy's Electrofuels Plant in Merritt, B.C. The plant will use Carbon Engineering's Direct Air Capture and AIR TO FUELS™ technologies to combine atmospheric carbon dioxide with hydrogen to produce renewable fuel, such as gasoline, diesel, and jet fuel.
- The Ministry has identified several high potential partnership opportunities with federal government agencies to support CleanBC objectives from Budget 2022's one-time funding of \$25 million to further support clean energy and clean technology partnerships.

## Mineral Tenure Act (MTA) Modernization

- Committed to modernize the MTA in cooperation and consultation with First Nations and First Nations organization under BC's Declaration Act Action Plan released March 30, 2022.
- Developed a plan for collaboration and engagement with First Nations, First Nations organizations and industry and other stakeholders and initiated work with the First Nations Energy and Mining Council.

## Standing Code Review Committee

- The Committee voted to move forward on an Order in Council to go to Cabinet to enact revisions to the Health, Safety and Reclamation Code for Mines in BC (the Code) on:
  - updating requirements related to dangerous occurrences;
  - removing gendered language;
  - adding in a regulatory requirement for universal washroom facilities; and,
  - introducing the use of autonomous and semi-autonomous mining systems on BC mines.
- The Committee established a United Nations Declaration Sub-Committee to support aligning Code revisions with the United Nations Declaration on the Rights of Indigenous Peoples.

## Mines Digital Services

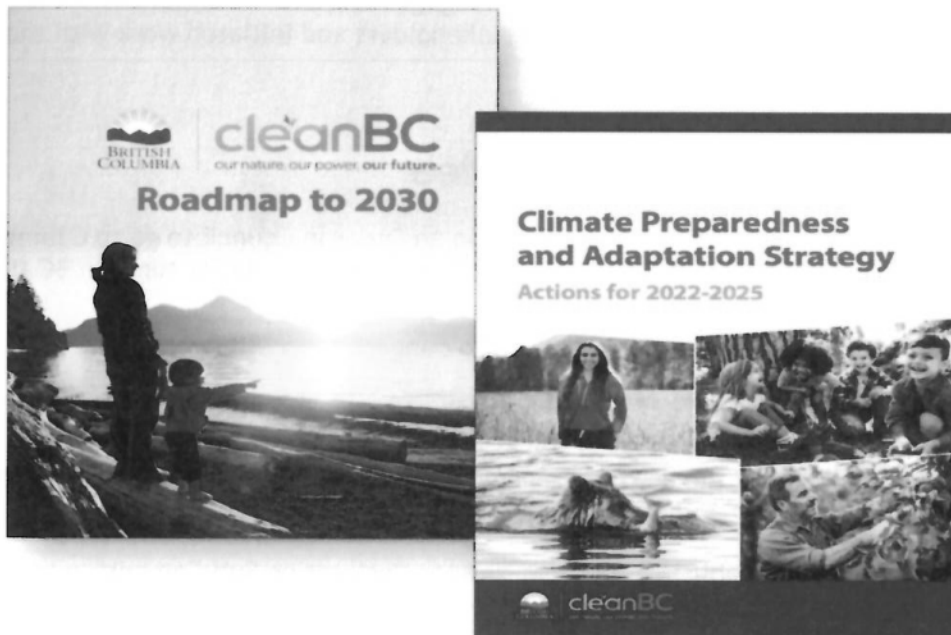
- MDS continues work to develop digital tools to support major mines permitting processes, releasing three significant new features for use by government technical and permitting specialists and mine operators related to intake and processing of major mines project applications.
- Development of these digital tools continues to prioritize connecting NR sector IT systems to support efficient and transparent permitting and oversight and mining in BC.

## Indigenous Engagement in Mining Compliance Activities

- The Mines Health, Safety and Enforcement Division (MHSED) continues to engage with Indigenous Nations to provide general familiarization about mining and compliance with the goal of increased collaboration in compliance activities. MHSED's engagement work included:
  - Providing six training sessions with Indigenous Nations for accompanied inspections.

- Training ten new individual Indigenous representatives for accompanied inspections.
- Conducting 18 accompanied inspections where Indigenous Nations participated (in person) in mining compliance activities.

## CleanBC Roadmap to 2030



- The CleanBC Roadmap to 2030 outlines a range of actions to reduce emissions in the oil and gas sector, which is currently the source of 20% of B.C.'s total emissions and 50% of industrial emissions. Key actions in the six-month period between January and June 2022 include planning and early engagement with the sector on pathways toward achieving the updated Roadmap goals, including the near elimination of oil and gas sector methane emissions by 2035, strengthening the Low Carbon Fuel Standard, and setting an emissions cap that natural gas utilities must achieve by 2030.

## Clean Growth Infrastructure Royalty Program

- The Oil and Gas Division ran its final Request for Applications (RFA) under the Clean Growth Infrastructure Royalty Program from March 8 to May 19. The fourth and final RFA of the program offered \$150 million in royalty deductions and once again was oversubscribed receiving a strong response from industry. Ten companies submitted a total of fifty-seven project applications. Together the 57 proposed projects



represent \$896 million in infrastructure capital investment, with a total request for \$285 million in royalty deductions.

- This partnership program contributes to the Province's comprehensive CleanBC plan for climate action, clean energy, and sustainable economic growth and is designed to support achievement of the province's emissions reduction targets while also supporting rural economic growth, jobs, and competitiveness.
- OGD staff will evaluate the applications over the summer and notify successful applicants by the end of August 2022.

## First Nations Collaboration Agreements

- BC Hydro Site C settlement with West Moberly First Nation.
- Tahltan Central Government and BC agreement related to the Eskay Creek Revitalization Project. First ever DRIPA Section 7 consent based decision-making agreement.

## Mineral Tenure Surrender in Skagit



Mineral tenures were surrendered in January 2022 after the successful completion of negotiations with Imperial Metals for the company to voluntarily surrender their mineral rights. Imperial metals were allocated at \$24M in the negotiated outcome, with funding coming from the Province, the Nature Conservancy of Canada, the Skagit Environmental Endowment Fund, Washington State, and the City of Seattle. BC Parks is initiating engagement with First Nations in the coming months to help determine their vision for the long-term protection of the area.

## BC Hydrogen Office

- On March 31, 2022, Premier John Horgan announced the BC Hydrogen Office at the GLOBE Forum in Vancouver. The announcement was in response to the need to simplify multi-jurisdictional review and permitting processes to move projects forward.
- The BC Hydrogen Office is the Province's one-stop-shop for hydrogen. The Office will work with federal and local governments to help attract investment and rapidly expand hydrogen development in B.C.
- The Office will be housed within the Ministry of Energy, Mines and Low Carbon Innovation (EMLI), and is aligned with the BC Hydrogen Strategy released in July 2021.
- The Province is well positioned to meet increasing demand for low-carbon solutions and capture a significant part of the global hydrogen market. The establishment of the Office is an investment in B.C.'s low-carbon future and will ensure the creation of new cleantech jobs and opportunities for people across the province.

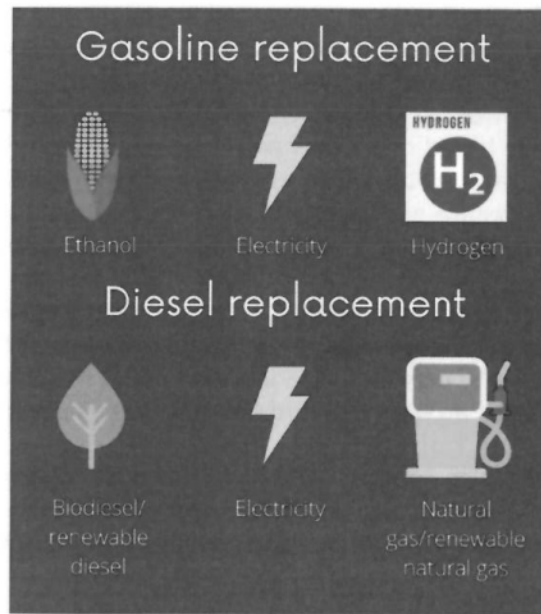
## BC Hydrogen Strategy and the BC Centre for Innovation and Clean Energy

- The Province released the BC Hydrogen Strategy, which clarifies how the province will promote, incentivize, and support the development of low carbon hydrogen production, use and export over the next 10 years. Ministry staff are now tracking 490 proposed BC hydrogen projects with a potential investment of approximately \$7 billion.
- The BC Centre for Innovation and Clean Energy (CICE) is a member-based, non-profit corporation designed to support the development and global scaling of B.C. based decarbonization technologies, with the primary focus on commercialization. A mandate letter commitment, CICE is funded by \$35 million from B.C., \$35 million from the federal government and \$35 million from Shell for a total of \$105 million. In February 2022, CICE and the Ministry of Energy, Mines and Low Carbon Innovation (EMLI) established a five-year Trusted Partnership and Shared Cost Arrangement (SCA) to collaborate on implementation of the B.C. Hydrogen Strategy.

## Bill 17 – Removal of Assayers Requirement

- Repealed unneeded legislative requirements for certification of assayers while maintaining effective oversight of the mining sector.

## Bill 15 – Low Carbon Fuels Act

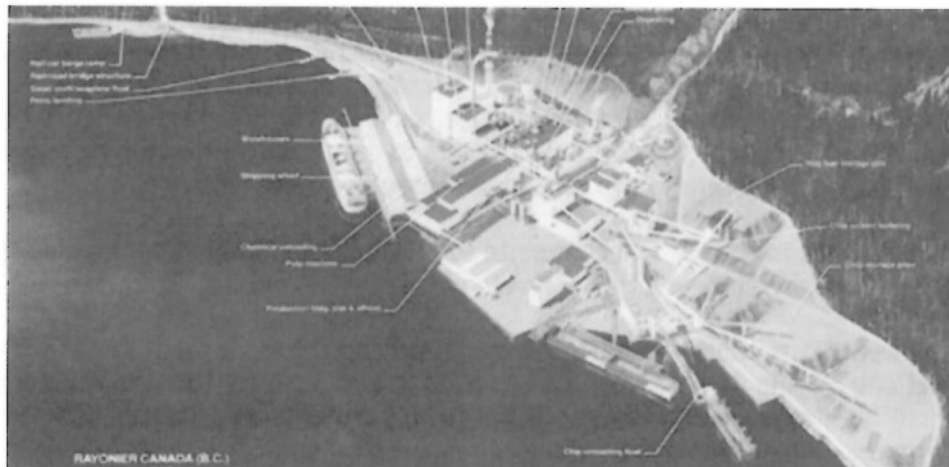


- In Spring 2022, the Province passed the Low Carbon Fuels Act, which will replace the current Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act. The new Act will support increased production and use of made-in-B.C. low carbon transportation fuels, creating new jobs and economic opportunities while reducing greenhouse gas emissions from fossil-derived gasoline and diesel. The Act requires fuel suppliers to progressively decrease the overall average carbon intensity of the fuels they supply to consumers in B.C.
- The new Act is intended to come into force January 1, 2023, and the necessary regulations are currently being developed.
- The new Act expands the LCFS to enable inclusion of more fossil fuels such as jet fuel and marine fuels, and enables credits to be issued for the displacement of fossil fuels in remote locations, as well as for projects that capture and sequester carbon dioxide directly from the air.
- Bill 15 implements a commitment in the CleanBC Roadmap to 2030 to expand and increase the effectiveness of the LCFS and supports the development of production capacity for 1.3 billion litres per year of made-in-B.C. renewable fuels by 2030.

## New Royalty Framework

- On May 19, 2022, the Province introduced a new oil and gas royalty system that puts the interests of British Columbians first and eliminates outdated and inefficient fossil-fuel subsidies. A transitional system will take effect on Sept. 1, 2022, with a new royalty framework scheduled to be in place effective Sept. 1, 2024. The new framework will be based on a revenue-minus-cost royalty system. It will use price-sensitive royalty rates designed to achieve a return of 50% of profits on the public resource after costs are accounted for. Revenue-minus-cost royalty systems are globally recognized for maximizing economic value and minimizing distortions.
- Effective Sept. 1, 2022, new wells (i.e., those that begin drilling on or after that date) will not be eligible to qualify for the old deep-well royalty program, the Marginal Well Royalty program, the Ultra marginal Royalty program, the Low Productivity Royalty program, or the Clean Growth Infrastructure Royalty programs.
- Wells drilled beginning Sept. 1, 2022, will pay a 5% royalty rate for the equivalent of the first 12 production months (8,760 production hours of production). At the end of this period, these wells will pay the prevailing price-sensitive royalty rates.

## Woodfibre Implementation Group Update

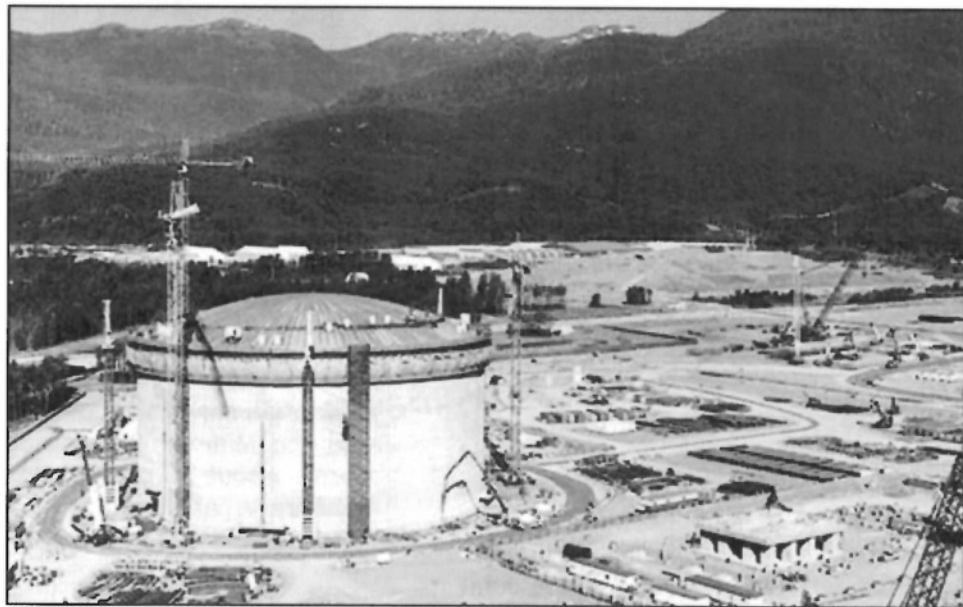


- The Woodfibre Implementation team, working with the project proponent and FortisBC, achieved a major milestone in seeing the Woodfibre LNG project issue its Final Notice to Proceed. Pre-construction work has begun, and construction is anticipated for early 2023. FortisBC announced a limited Notice to Proceed to its contractor responsible for the tunnel component of the pipeline supporting Woodfibre LNG.

## LNG Canada Project implementation

- The LNG Canada Implementation Secretariat facilitated significant progress on the LNG Canada export facility and its connecting Coastal GasLink pipeline project. Within the first six months of 2022, the export facility was hitting critical construction milestones and approaching 60 per cent completion. A major highlight occurred on March 9, 2022, when sixteen First Nations communities signed option agreements to purchase an equity stake in the Coastal GasLink Pipeline Limited Partnership.

**LNG Canada Site**



*Source: LNG Canada*

## Tours and Meetings to June, 2022

**January 17, 2022**

### **First Nations Leadership Gathering**

The annual Gathering is organized in partnership between the First Nations Leadership Council and the Government of British Columbia. It is one of the largest gatherings of provincial and First Nations leaders in the country.

**March 7-9, 2022**

### **Cambridge Energy Research Associates Week**

CERAWeek is an annual energy conference in Houston, Texas, chaired by Pulitzer Prize winner Daniel Yergin, vice-chairman, IHS Markit and Jamey Rosenfield, vice chair, CERAWeek, senior vice president, IHS Markit. The conference provides a platform for discussion on a range of energy-related topics, including sessions on the world economic outlook, geopolitics, energy policy and regulation, climate change and technological innovation, among other topics. The conference features prominent speakers from energy, policy, technology, and financial industries, including U.S. Special Presidential Envoy for Climate John Kerry.

**March 21-22, 2022**

### **Nanaimo & Area Tour**

The tour included visits to Vancouver Island University (VIU)'s electric vehicle (EV) maintenance training program, Canadian Electric Vehicles, and Black Diamond Mechanical with Adam Walker, MLA for Parksville - Qualicum, on the first day. The second day included visits to VIU's Cowichan Valley campus' heat pump installation training program, BC Forest Discovery Centre's EV charging station, and two of Canadian Home Builders' Association of British Columbia (CHBA BC)'s heat pump

demonstration sites.



**March 28, 2022**

### **Consular Corps. Briefings**

The annual event is hosted by the Minister of Energy, Mines and Low Carbon Innovation and the Minister Responsible for Consular Corps. About 40 consul generals, including honorary, attended this event that was held in person at the Legislature for the first time in two years.

**April 12, 2022**

### **Kamloops Exploration Group Conference**

The inaugural KEG Conference took place more than 30 years ago, led by a small group of dedicated individuals who were passionate about providing a platform to discuss industry-specific topics and create positive networking opportunities. Today, the KEG Conference has grown to include numerous individuals and businesses, and continues to provide an informative and networking-based platform connecting prospectors, geologists, suppliers, manufacturers, and investors alike.





**May 11-12, 2022**

**Site C Visit with the Premier**

In February 2022, the Government of British Columbia provided schedule and cost updates to the Site C project, acting to address the challenges facing Site C from COVID-19 and other factors. Today, BC continues to ensure the project will be completed safely, on time and on budget, providing British Columbians with clean, reliable, and affordable electricity for the next 100 years.

**May 25-26, 2022**

**BC Sand, Stone and Gravel Association AGM**

Formerly the Aggregate Producers Association of BC, the British Columbia Stone, Sand & Gravel Association (BSSGA) was founded in 1988, and since that time it has been actively representing the aggregate industry, and Association members, at all levels of government and in the community.

**June 6-8, 2022**

**Tahltan Visit with the Premier**

The visit included tours of Dease Lake Airport, which received a \$9M provincial investment through Stronger BC funding; schools in Dease Lake and Iskut; the Tenh Dzetle Conservancy created in partnership

with Tahltan Central Government, Skeena Resources, Natural Conservancy Canada, and BC Parks Foundation; and Red Chris Mine, a \$4B investment in BC. The visit was preceded by the Government of British Columbia taking a historic step forward by entering into the first consent-based decision-making agreement under the Declaration Act for the Eskay. Creek Revitalization Project in Tahltan Territory.



**June 17, 2022 North Island Tour**



Tour included Myra Falls Mine, located 90kms southwest of Campbell River. The

mine has been operational since 1965 and employs more than 300 people. Ministry of Energy, Mines and Low Carbon Innovation also helped government caucus MLAs organize a tour of John Hart Dam, which is now going through a seismic upgrade, providing economic and employment opportunities for the community.

## **Policy Items & Announcements**

### **Mineral Tenure Surrender in Skagit**

The Province has signed an agreement with Imperial Metals Corporation and the Skagit Environmental Endowment Commission that will see Imperial Metals return to the Province all its mining and related rights in the nearly 5,800-hectare area within the Silverdaisy watershed known as the Skagit River Donut Hole, surrounded by both Skagit Valley Park and E.C. Manning Park, and between Hope and Princeton.

### **BC Hydrogen Office**

The Province has established an office to expand hydrogen deployment and to streamline projects from proposal to construction. The BC Hydrogen Office is working with federal and local governments to help attract investments and simplify the multi-jurisdictional review and permitting processes.

### **Bill 17 - Removal of Assayer Requirements**

The assayer requirements were introduced in the late 1800s and have become redundant due to the regulation of professional geoscientists and growth in commercialized laboratories. Repealing these requirements has brought the Province in line with other jurisdictions.

### **Bill 15 - Low Carbon Fuels Act**

BC's Low Carbon Fuel Standard (LCFS) is the largest contributor to CleanBC goals and is expected to lead to a reduction of five million tonnes of greenhouse gas emissions by 2030, 31% of the amount required to meet CleanBC Roadmap climate targets. Ministry of Energy, Mines and Low Carbon Innovation updated the LCFS to support further increases in low-carbon fuel production, creating new jobs and economic opportunities for British Columbians, while significantly reducing greenhouse gas emissions.

### **Community Outreach Incentive Program (COIP)**

The Ministry has provided \$118,000 through COIP to support B.C. communities, organizations and local governments delivering local and regional EV-awareness campaigns that include video production, EV events and demonstrations.

### **First Nations Clean Energy Business Fund**

Since the First Nations Clean Energy Business Fund (FNCEBF) began, more than 136 Indigenous communities have benefited from nearly \$19 million in capacity and equity funding. In fiscal 2021-22, the FNCEBF distributed more than \$8 million to First Nations communities.

### **Statement on Mineral Exploration Week**

BC is home to a world-class mining jurisdiction and a thriving mineral-exploration sector. The responsibly sourced metals and minerals found in B.C. are crucial to the global low-carbon supply chain. Mineral exploration employs thousands of people, with a cluster of mining companies headquartered on the Lower Mainland.



### **CleanBC Industry Fund - Third Round**

As part of the CleanBC Industry Fund's third round of investment, the Province announced 25 projects that will support the adoption of cleaner technologies and reduce emissions. Total emissions reduction from this program to six million tonnes of carbon dioxide equivalent (CO<sub>2</sub>e), which is equal to taking 130,000 cars off the road each year for approximately 10 years.

### **Budget 2022 - CleanBC Items**

With more than \$1.2 billion in new funding for CleanBC, Budget 2022 is strengthening communities and expanding opportunities for clean economic growth. The new funding builds on the \$2.3 billion previously committed to CleanBC to reduce emissions across sectors.

### **EV Skills Training Expansion**

Under the CleanBC Go Electric program and in partnership with Trades Training BC, the program will soon be offered at Vancouver Island University, College of the Rockies and Kwantlen Polytechnic University. This expansion will prepare British Columbians for good-paying jobs of the future. In 2021, the program was expanded to Okanagan College, College of New Caledonia and Camosun College after a pilot program at British Columbia Institute of Technology

### **CleanBC Building Innovation Fund**

The CBBIF Fund has provided \$9.65 million to manufacturers, developers, builders and researchers to demonstrate and commercialize new energy-efficient and low-carbon building technologies

### **BC Zero-Emissions Vehicle Uptake**

As a result of the Province's CleanBC Go Electric programs and rebates, the number of electric vehicles in BC has increased by 1,600% in the past six years.

### **Advanced Research & Commercialization Fund**

The projects under the \$8.18-million round of funding span all transportation modes, from electric bikes to rail and aviation and will benefit seven different municipalities in BC, including Harbour Air's conversion of an existing aircraft to be fully electric-powered.

### **Innovative Clean Energy (ICE) Fund**

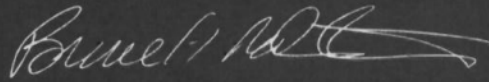
Since 2008, the Innovative Clean Energy (ICE) Fund has committed approximately \$110 million to support pre-commercial clean-energy technology projects, clean-energy vehicles, research and development, and energy-efficiency programs. ICE funding is derived from a levy on the sale of specified energy products. ICE Fund partners have included First Nations, universities, municipalities, and many emerging clean-tech companies throughout BC.

### **Vancouver Island Hydrogen Fueling Station**

BC-based Hydrogen Technology and Energy Corporation (HTEC) has partnered with 7-Eleven Canada to open Vancouver Island's first public hydrogen-fueling station at an Esso in Saanich. The Saanich station received \$500,000 from the Province's CleanBC Go Electric program and \$1 million from Natural Resource Canada's Electric Vehicle and Alternative Fuel Infrastructure Deployment Initiative.

## Conclusion

These accomplishments would not have been possible without the dedication and hard work of EMLI staff. EMLI will continue to deliver programs and services to sectors that generate revenue to fund education and healthcare, while encouraging all British Columbians to reduce GHG emissions.



Bruce Ralston  
Minister

## Warnock, Joie EMLI:EX

---

**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 27, 2022 5:11 PM  
**To:** Toor, Arjin LASS:EX  
**Cc:** Bernard, Tabitha LASS:EX; May, Ed LASS:EX; Ranjan, Ramesh LASS:EX; Warnock, Joie EMLI:EX  
**Subject:** EMLI 2022 Half Year in Review  
**Attachments:** EMLI\_2022\_Half\_Year\_in\_Review\_Final.pdf

Hi Arjin,

Minister Ralston has asked us to share our EMLI 2022 Half Year in Review document with government caucus MLAs. Please see attached and kindly let us know if there is any additional information that you would like us to share. Can you please help us distribute?

Sincerely,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: Eugene.Tseng@gov.bc.ca

## Warnock, Joie EMLI:EX

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**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 27, 2022 5:13 PM  
**To:** Brenchley, Charlie GCPE:EX; Leslie, Sean GCPE:EX; Plummer, Glen GCPE:EX  
**Cc:** Warnock, Joie EMLI:EX; Tseng, Eugene EMLI:EX; Meehan, Patrick EMLI:EX; Edmonds, Claire EMLI:EX  
**Subject:** EMLI 2022 Half Year in Review  
**Attachments:** EMLI\_2022\_Half\_Year\_in\_Review\_Final.pdf

Hi Team,

Please see our EMLI 2022 Half Year in Review document attached.

Sincerely,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: Eugene.Tseng@gov.bc.ca

## Warnock, Joie EMLI:EX

---

**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 27, 2022 5:15 PM  
**To:** s.17  
**Cc:** Brandt, Alissa LASS:EX; Warnock, Joie EMLI:EX  
**Subject:** EMLI 2022 Half Year in Review  
**Attachments:** EMLI\_2022\_Half\_Year\_in\_Review\_Final.pdf

MLA Begg,

Minister Ralston has asked us to share our EMLI 2022 Half Year in Review document. Please see attached and kindly let us know if there is any additional information that you would like us to share.

Sincerely,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: Eugene.Tseng@gov.bc.ca

## Warnock, Joie EMLI:EX

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**From:** Tseng, Eugene EMLI:EX  
**Sent:** October 27, 2022 5:18 PM  
**To:** LP Senior Ministerial Advisors  
**Cc:** Warnock, Joie EMLI:EX  
**Subject:** EMLI 2022 Half Year in Review  
**Attachments:** EMLI\_2022\_Half\_Year\_in\_Review\_Final.pdf

Hi Team,

Please find our EMLI 2022 Half Year in Review document attached. Can you please share this with your ministers for their information?

Thank you so much,

Eugene Tseng | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
Ph: 250-886-4542  
e: [Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)

## Warnock, Joie EMLI:EX

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**From:** Jang, Monica EMLI:EX  
**Sent:** October 28, 2022 12:51 PM  
**To:** Warnock, Joie EMLI:EX  
**Cc:** Tseng, Eugene EMLI:EX; Mihlar, Fazil EMLI:EX  
**Subject:** RE: DMO connects.13; s.17  
**Attachments:** s.13; s.17

Hi Joie,

s.13; s.17

Thanks,

Monica.

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**From:** Warnock, Joie EMLI:EX <Joie.Warnock@gov.bc.ca>  
**Sent:** October 27, 2022 10:25 AM  
**To:** Jang, Monica EMLI:EX <Monica.Jang@gov.bc.ca>; Tseng, Eugene EMLI:EX <Eugene.Tseng@gov.bc.ca>  
**Subject:** RE: DMO connects.13; s.17

Hi Monica – good morning – s.13; s.17

Cheers,  
Joie

Joie Warnock | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
C: 778-584-6055  
E: [joie.warnock@gov.bc.ca](mailto:joie.warnock@gov.bc.ca)

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**From:** Jang, Monica EMLI:EX <[Monica.Jang@gov.bc.ca](mailto:Monica.Jang@gov.bc.ca)>  
**Sent:** October 12, 2022 12:41 PM  
**To:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>; Warnock, Joie EMLI:EX <[Joie.Warnock@gov.bc.ca](mailto:Joie.Warnock@gov.bc.ca)>  
**Subject:** RE: DMO connects.13; s.17

Hi Eugene,

s.13; s.17

Fazil and I are waiting for a draft and will share and

discuss once we see it.

Thanks,

Monica.

**From:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>  
**Sent:** October 12, 2022 12:33 PM  
**To:** Warnock, Joie EMLI:EX <[Joie.Warnock@gov.bc.ca](mailto:Joie.Warnock@gov.bc.ca)>; Jang, Monica EMLI:EX <[Monica.Jang@gov.bc.ca](mailto:Monica.Jang@gov.bc.ca)>  
**Cc:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>  
**Subject:** RE: DMO connect s.13; s.17

Hi Monica, forgot to ask about this one –s.13; s.17

Thank you!

Eugene

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**From:** Warnock, Joie EMLI:EX <[Joie.Warnock@gov.bc.ca](mailto:Joie.Warnock@gov.bc.ca)>  
**Sent:** September 21, 2022 9:19 AM  
**To:** Jang, Monica EMLI:EX <[Monica.Jang@gov.bc.ca](mailto:Monica.Jang@gov.bc.ca)>  
**Cc:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>  
**Subject:** RE: DMO connect s.13; s.17

Thanks so much Monica!  
Cheers,  
Joie

Joie Warnock | Senior Ministerial Advisor  
Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation  
C: 778-584-6055  
E: [joie.warnock@gov.bc.ca](mailto:joie.warnock@gov.bc.ca)

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**From:** Jang, Monica EMLI:EX <[Monica.Jang@gov.bc.ca](mailto:Monica.Jang@gov.bc.ca)>  
**Sent:** September 21, 2022 8:20 AM  
**To:** Warnock, Joie EMLI:EX <[Joie.Warnock@gov.bc.ca](mailto:Joie.Warnock@gov.bc.ca)>  
**Cc:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>  
**Subject:** RE: DMO connect s.13; s.17

Hi Joie,

s.13; s.17

FYI and thanks,

Monica.

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**From:** Warnock, Joie EMLI:EX <[Joie.Warnock@gov.bc.ca](mailto:Joie.Warnock@gov.bc.ca)>  
**Sent:** September 20, 2022 9:21 AM  
**To:** Jang, Monica EMLI:EX <[Monica.Jang@gov.bc.ca](mailto:Monica.Jang@gov.bc.ca)>



**Cc:** Tseng, Eugene EMLI:EX <[Eugene.Tseng@gov.bc.ca](mailto:Eugene.Tseng@gov.bc.ca)>

**Subject:** DMO connect<sup>s.13; s.17</sup>

Hi Monica –<sup>s.13; s.17</sup>  
s.13; s.17

Thanks for your help with this.

Cheers,

Joie

Joie Warnock | Senior Ministerial Advisor

Minister's Office | Ministry of Energy, Mines and Low Carbon Innovation

C: s.17

E: [joie.warnock@gov.bc.ca](mailto:joie.warnock@gov.bc.ca)

Page 108 of 366

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s.13 ; s.17

Page 109 of 366

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s.13 ; s.17

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s.13 ; s.17



Page 115 of 366

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s.13 ; s.17

Page 116 of 366

Withheld pursuant to/removed as

s.13 ; s.17

## FOR APPROVAL: EMLI bullets for PO to give to political reporter

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From: Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>, Terhune, Katie EMLI:EX <Katie.Terhune@gov.bc.ca>, Muncaster, Katherine EMLI:EX <Katherine.Muncaster@gov.bc.ca>, McRae, Meghan GCPE:EX <Meghan.McRae@gov.bc.ca>, Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
Sent: January 14, 2022 11:20:31 AM PST  
Attachments: image003.png  
Hi Les,

With quick help from your staff we have put together some bullets to answer EMLI's part of a broad request from a reporter. The reporter is reviewing the NDP platform, which as you are aware is NOT part of our remit. However, putting politics aside, we have some bullets to address EMLI's involvement in various government projects (other ministry GCPE staff are working with other ministry program staff to give a full set of answers).

To that end, will you please review the following.

Kind regards,  
David

### 1. **Require greener buildings (see full statement below in embedded .jpg from the reporter).**

**EMLI mandate letter reference:** Enhance energy efficiency programs and incentives for residential and commercial buildings, including Property Assessed Clean Energy financing to help homeowners make energy-saving retrofits and repay the cost of them over time.

#### **Suggested EMLI response:**

- The BC Energy Step Code provides a path for builders and local governments to prepare for and reach energy efficiency standards earlier.
- The Province will support local governments to set carbon pollution performance standards for new buildings via a provincial opt-in regulation.
- Under the Roadmap to 2030, B.C. will add a new carbon pollution standard to the BC Building Code, to make all new buildings zero carbon by 2030.
- B.C. is developing an Existing Buildings Renewal Strategy. The strategy will consider regulatory options to ensure existing buildings are more energy efficient, lower carbon and resilient to events like earthquakes, wildfires, heat waves, and floods.
- New energy efficiency standards for building upgrades will be adopted into the BC Building code by 2024, in collaboration with Codes Canada.
- B.C. regularly updates its Energy Efficiency Standards Regulation to improve products that use or control energy. A 2021 update increased standards for computer monitors, gas boilers and residential windows.
- As part of the Roadmap to 2030, all space and water heating equipment sold and installed in B.C. after 2030 will be at least 100% efficient (electric baseboards and water heaters meet this standard, heat pumps are even more efficient).

### 2. **Accelerate energy efficiency retrofits (see full statement below in embedded .jpg from the reporter).**

**EMLI mandate letter reference:** Enhance energy efficiency programs and incentives for residential and commercial buildings, including Property Assessed Clean Energy financing to help homeowners make energy-saving retrofits and repay the cost of them over time.

#### **Suggested EMLI response:**

- The Clean BC Better Homes and Better Buildings programs provide rebates and support for homeowners and businesses to reduce energy use and greenhouse gas emissions in new and existing buildings.
- The CleanBC Better Homes Low-Interest Financing Program provides loans with interest rates as low as 0% for switching from fossil fuel heating systems to heat pumps.
- The Province will proceed with the next steps on a Property Assessed Clean Energy (PACE) program, an alternative financing option to help building owners invest in energy retrofits.
- As part of the Roadmap to 2030, B.C. will put tools in place so that home sales will include an energy efficiency rating or label, motivating owners to invest in retrofits knowing it will impact future salability.
- The CleanBC Building Innovation Fund provides funding for projects and programs that accelerate the availability and affordability of energy efficient and low-carbon building solutions. This includes innovation in building designs, construction practices, building systems, materials, and products.

Here is the embedded .jpg from the reporter (no idea why she sent it this way):

<ul style="list-style-type: none"> <li>• <b>Require greener buildings:</b> We are already requiring new buildings and retrofits to be more energy efficient and cleaner – every new building constructed in BC must be net-zero ready by 2032. We will take the next step by empowering local governments to set their own carbon pollution performance standards for new buildings. And we will require realtors to provide energy efficiency information on listed homes to incent energy-saving upgrades and let purchasers know what energy bills they will face.</li> </ul>	Expanded
<ul style="list-style-type: none"> <li>• <b>Accelerate energy efficiency retrofits beginning now:</b> We will spur more energy-efficiency upgrades with programs and incentives for both residential and commercial buildings – including PACE (Property Assessed Clean Energy) financing that allows homeowners to take out loans for efficiency upgrades and pay them back over time through annual property taxes.</li> </ul>	Expanded

**David Sovka** | Public Affairs Officer  
 Energy, Mines and Low-Carbon Innovation  
 Government Communications and Public Engagement  
 Phone: 778 698-2573 | Mobile: s.17

<ul style="list-style-type: none"> <li>Require greener buildings: We are already requiring new buildings and retrofits to be more energy efficient and cleaner – every new building constructed in BC must be net-zero ready by 2032. We will take the next step by empowering local governments to set their own carbon pollution performance standards for new buildings. And we will require realtors to provide energy efficiency information on listed homes to incent energy-saving upgrades and let purchasers know what energy bills they will face.</li> </ul>	Expanded
<ul style="list-style-type: none"> <li>Accelerate energy efficiency retrofits beginning now: We will spur more energy-efficiency upgrades with programs and incentives for both residential and commercial buildings – including PACE (Property Assessed Clean Energy) financing that allows homeowners to take out loans for efficiency upgrades and pay them back over time through annual property taxes.</li> </ul>	Expanded

## Revised Forecast

---

From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>, Yao, Richard CSNR:EX <Richard.Yao@gov.bc.ca>  
Sent: February 2, 2022 4:42:51 PM PST  
Attachments: s.13; s.17  
Hi Les / Cathy

My apologies for the delay. Attached is your revised forecast from our last meeting.

We have made the following changes:

s.13; s.17

Please let me know if you have any questions. Thanks,

Melissa

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s.13 ; s.17

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s.13 ; s.17



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s.13 ; s.17

## EAED January Forecasts

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From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
Sent: February 28, 2022 4:28:56 PM PST  
Attachments: s.13; s.17  
Hi Les / Cathy

Please find attached the s.13; s.17

for our meeting on Thursday.

Thanks,  
Melissa

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s.13 ; s.17

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s.13 ; s.17



**RE: FOR APPROVAL - FW: FOR REVIEW - Reframed Lab draft materials -- AG-105256**

---

From: Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>, Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
Cc: Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>, Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>  
Sent: March 10, 2022 11:39:09 AM PST  
Attachments: QA\_Reframed Lab teams\_sties announcement\_March\_09\_22\_DRAFT\_ng.docx, NR\_Reframed Lab teams\_sites announcement\_March\_09\_22\_DRAFT\_ng.docx  
Hi all,

See attached NR and QA with a few edits for accuracy and per Les' request.

Nat

---

**From:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Sent:** March 10, 2022 8:15 AM  
**To:** Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
**Cc:** Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>; Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
**Subject:** RE: FOR APPROVAL - FW: FOR REVIEW - Reframed Lab draft materials -- AG-105256

Fine with the quote. Need Nat to confirm CBBIF wording in Release and QA, and add a bullet on heat pump cooling and air filtering to the last Q&A on heat dome and smoke.

Assume the \$460k is the combination of \$230k each to MVHC and Pacifica from Intake 2 (which was \$8M – Intake 1 was \$1.65M). We may be able to point to a larger CBBIF impact.

Les

---

**From:** Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
**Sent:** March 10, 2022 7:13 AM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Cc:** Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>; Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
**Subject:** FOR APPROVAL - FW: FOR REVIEW - Reframed Lab draft materials -- AG-105256

Hi Les,

MBR has been asked for a quote to go into the attached NR. Nat has reviewed.

s.13

Kind regards,  
David

---

**From:** Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
**Sent:** March 9, 2022 3:55 PM  
**To:** Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
**Cc:** Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>  
**Subject:** FW: FOR APPROVAL -- Reframed Lab draft materials -- AG-105256

Hello Mr. Sovka,

Could you please draft a quote for MBR for the attached release?

Thanks,

Glen

**Glen Plummer**  
**Communications Manager**  
**Ministry of Energy, Mines and Low Carbon Innovation**  
**250 952-0559 office**  
**250 213-5667 cell**

---

**From:** Harbord, Darren GCPE:EX <[Darren.Harbord@gov.bc.ca](mailto:Darren.Harbord@gov.bc.ca)>  
**Sent:** March 9, 2022 10:57 AM  
**To:** Leslie, Sean GCPE:EX <[Sean.Leslie@gov.bc.ca](mailto:Sean.Leslie@gov.bc.ca)>; Plummer, Glen GCPE:EX <[Glen.Plummer@gov.bc.ca](mailto:Glen.Plummer@gov.bc.ca)>  
**Cc:** Machell, Aileen GCPE:EX <[Aileen.Machell@gov.bc.ca](mailto:Aileen.Machell@gov.bc.ca)>; Schollen, Tasha GCPE:EX <[Tasha.Schollen@gov.bc.ca](mailto:Tasha.Schollen@gov.bc.ca)>  
**Subject:** FOR APPROVAL -- Reframed Lab draft materials -- AG-105256

Hey Sean and Glen, we have a building retrofit announcement coming up in a couple of weeks (date TBC). Some funding is coming from the CleanBC Building Innovation Fund.

For review and a minister quote, if desired, please see the attached draft NR and QA.

FYI, MGH is going to take the lead on doing media for this one.

Let me know if you have any questions.

Thanks

**Darren Harbord** | Senior Public Affairs Officer  
Government Communications and Public Engagement  
Ministry of Attorney General and Responsible for Housing  
Cell: s.17

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## FW: Budget 2022 Letter

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From: Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>  
To: EMLI Executive Committee <EMPRExCo@Victoria1.gov.bc.ca>  
Cc: Jang, Monica EMLI:EX <Monica.Jang@gov.bc.ca>  
Sent: April 22, 2022 12:25:57 PM PDT  
Attachments: EMLI Budget 2022 Letter.pdf, Appendix B.pdf, Appendix C.pdf, EMLI - Appendix A.pdf  
FYI attached is our ministry budget letter and I thought I share with all of you right now and we will review in detail.  
thanks

---

**From:** Ringma, Shalegh FIN:EX <Shalegh.Ringma@gov.bc.ca> **On Behalf Of** Ma, Tiffany J FIN:EX  
**Sent:** April 22, 2022 11:58 AM  
**To:** Minister, EMLI EMLI:EX <EMLI.Minister@gov.bc.ca>  
**Cc:** Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>; Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>; Murata, Brian FIN:EX <Brian.Murata@gov.bc.ca>  
**Subject:** Budget 2022 Letter

Please find attached the Budget 2022 letter and appendices from the Chair of Treasury Board.

Tiffany Ma, CPA CGA  
Assistant Deputy Minister and Deputy Secretary to Treasury Board  
Treasury Board Staff  
W: 250-387-6282 | C: 517

## RE: FOR REVIEW - NR\_CBBIF Announcement\_26 April 2022\_848am

---

From: MacLaren, Les EMLI:EX  
To: Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
Cc: Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>, Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>, Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
Sent: April 26, 2022 9:16:40 AM PDT  
Attachments: NR\_CBBIF Announcement\_26 April 2022\_848am LM.docx  
Some tracked suggestions. I'm sure you left the old Ministry name intentionally so I would have something to edit!

Les

---

**From:** Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
**Sent:** April 26, 2022 8:50 AM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Cc:** Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
**Subject:** FOR REVIEW - NR\_CBBIF Announcement\_26 April 2022\_848am

Hi Les,

Will you please review the attached, which has been through Nat G.

Kind regards,  
David

**David Sovka** | Public Affairs Officer  
Energy, Mines and Low-Carbon Innovation  
Government Communications and Public Engagement  
Phone: 778 698-2573 | Mobile: s.17

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## FY22 Final Reporting for EAED, ICE Fund and CRT

---

From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
Sent: May 10, 2022 8:23:36 AM PDT  
Attachments: s.13; s.17  
Hi Les / Cathy

Please find attached the<sup>s.13; s.17</sup>  
reschedule

for our meeting. Not a problem, if you need to

Thanks,

*Melissa*

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s.13 ; s.17

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## RE: FOR ACTION: 2021/22 Ministry Annual Service Plan Report-DUE DATE: May 20th ADM APPROVAL REQUIRED

---

From: MacLaren, Les EMLI:EX  
To: Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>  
Sent: June 2, 2022 8:16:55 AM PDT  
Attachments: s.13

Initial comments tracked in the attached. This will be issued in late July. We will have a few more rounds.

Les

---

**From:** Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>  
**Sent:** June 1, 2022 10:53 AM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Subject:** FW: FOR ACTION: 2021/22 Ministry Annual Service Plan Report-DUE DATE: May 20th ADM APPROVAL REQUIRED  
**Importance:** High

I finally have the Ministry Annual Service Plan Report for your review and approval (I was waiting on Christina's input). Are you able to review and approve by noon tomorrow?

Thank you,  
Darci

---

**From:** Hunjen, Selena EMLI:EX <Selena.Hunjen@gov.bc.ca>  
**Sent:** May 3, 2022 4:24 PM  
**To:** Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>; Petrini, Teresa EMLI:EX <Teresa.Petrini@gov.bc.ca>; Courtnall, Andrea EMLI:EX <Andrea.Courtnall@gov.bc.ca>; Miller, Kyla EMLI:EX <Kyla.Miller@gov.bc.ca>; Andrews, Sarah EMLI:EX <Sarah.Andrews@gov.bc.ca>; Musgrove, Kate EMLI:EX <Kate.Musgrove@gov.bc.ca>; Gajowski, Leigh-Anne EMLI:EX <Leigh-Anne.Gajowski@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>; Trachsel, Daymon EMLI:EX <Daymon.Trachsel@gov.bc.ca>  
**Subject:** FOR ACTION: 2021/22 Ministry Annual Service Plan Report-DUE DATE: May 20th ADM APPROVAL REQUIRED

Good Afternoon Folks,

CABRO has requested all ministries to draft their 2021/22 Ministry Annual Service Plan Reports. This reports our actual performance as stated in our 2021/22 service plan.

Please find attached a first draft of the 2021/22 Annual Service Plan Report, which has been prepopulated with the Ministry's 2021/22 Service Plan materials.

### **Action Required:**

For your business area, using track changes please provide input on the following sections of the 2021/22 Ministry Annual Service Plan Report draft:

1. **Operating Environment:** One or two paragraphs outlining specific events, internal and external factors which affected the ministry's performance in 21/22, and explicit references to risk mitigation strategies. Include significant trends, risks and opportunities that impacted the ministry's performance, but exclude highlights (see next section).
2. **Business Area Highlights:** Insert 3-5 accomplishments **from the reporting year**. Must relate to the corresponding objective and should conceptually or directly link back to the Key Strategies expressed in the 2021/22 Service Plan. **These key strategies are included in the attached draft to assist you.**
3. **Performance Metrics:** Provide our actual performance for each statistic in red in the performance measure tables: 2020/21 actuals and 2021/22 actuals. SIB has inserted estimates only based on our 21/22 forecasts.

**4. Discussion of Results:** Elaborate on the results demonstrated by the performance measure tables and include explanations if we did not meet a target.

ADM approval is required. Please return to me by **noon on Friday May 20<sup>th</sup>, 2022.**

Thank you,

Selena Hunjen  
Performance Management Analyst  
Strategic Initiatives Branch  
Strategic and Indigenous Affairs Division  
Ministry of Energy, Mines and Low Carbon Innovation  
P: 250-952-3210  
C: 250-640-3315

**Ministry of Energy, Mines and Low Carbon  
Innovation**

**2021/22  
Annual Service Plan Report  
August 2022**



For more information on the Ministry of Energy, Mines and Low Carbon Innovation contact:

Deputy Minister's Office

PO Box 9313

STN PROV GOVT

V8W 9N3

778-698-7283

Or visit our website at

[www.gov.bc.ca/EMLI](http://www.gov.bc.ca/EMLI)

Published by the Ministry of Energy, Mines and Low Carbon Innovation

## Minister's Accountability Statement



The *Ministry of Energy, Mines and Low Carbon Innovation 2021/22 Annual Service Plan Report* compares the Ministry's actual results to the expected results identified in the *2021/22 – 2023/24 Service Plan* created in April 2021. I am accountable for those results as reported.

*Signature Placeholder*

Replace with Signature Image

Honourable Bruce Ralston  
Minister of Energy, Mines and Low Carbon Innovation  
[Month] [##], 2022

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## Letter from the Minister

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Honourable Bruce Ralston  
Minister of Energy, Mines and Low Carbon Innovation  
[Month] [##], 2022

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## FY23 EAED Budget Allocations

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From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
Sent: July 5, 2022 10:00:17 AM PDT  
Attachments: s.13; s.17  
Hi Les / Cathy

Please find attached thes.13; s.17 for our meeting this afternoon.

Thanks,

*Melissa*

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**RE: FOR REVIEW: KMQA CBBIF 14 July 2022 920am**

---

From: MacLaren, Les EMLI:EX  
To: Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
Cc: Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>, Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
Sent: July 18, 2022 11:06:14 AM PDT  
Attachments: s.13

Some tracked suggestions.

Les

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

From: Sovka, David GCPE:EX <David.Sovka@gov.bc.ca>  
Sent: July 18, 2022 9:59 AM  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Leslie, Sean GCPE:EX <Sean.Leslie@gov.bc.ca>; Plummer, Glen GCPE:EX <Glen.Plummer@gov.bc.ca>  
Subject: FOR REVIEW:s.13

Hi Les,

We're not sure when the MO wants the NR to go out on the CleanBC Building Innovation Fund recipients (you signed off on the NR in April!). However, we thought we would put together the s.13 for when the MO is ready. It has been through program staff. Will you please review?

Kind regards,  
David

David Sovka | Public Affairs Officer  
Energy, Mines and Low-Carbon Innovation  
Government Communications and Public Engagement  
Phone: 778 698-2573 | Mobile:s.17



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## RE: FOR ACTION: Six Months in Review Document DUE AUGUST 26th ADM APPROVAL

---

From: MacLaren, Les EMLI:EX  
To: Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>  
Sent: August 26, 2022 7:59:17 AM PDT  
Attachments: EMLI 2022 Half Year in Review - Concept\_edited - EAED LM.docx  
Approved with my further tracked edits.

Les

---

**From:** Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>  
**Sent:** August 25, 2022 3:54 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Subject:** FW: FOR ACTION: Six Months in Review Document DUE AUGUST 26th ADM APPROVAL

Hi Les,

For your review and approval.

Thank you,  
Darci

---

**From:** Hunjen, Selena EMLI:EX <Selena.Hunjen@gov.bc.ca>  
**Sent:** August 8, 2022 9:34 AM  
**To:** Janes, Darci EMLI:EX <Darci.Janes@gov.bc.ca>; Anderson, Leah EMLI:EX <Leah.Anderson@gov.bc.ca>; Andrews, Sarah EMLI:EX <Sarah.Andrews@gov.bc.ca>; Courtnall, Andrea EMLI:EX <Andrea.Courtnall@gov.bc.ca>; Musgrove, Kate EMLI:EX <Kate.Musgrove@gov.bc.ca>; Miller, Kyla EMLI:EX <Kyla.Miller@gov.bc.ca>; Hunt, Melanie EMLI:EX <Melanie.Hunt@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>; Trachsel, Daymon EMLI:EX <Daymon.Trachsel@gov.bc.ca>  
**Subject:** FOR ACTION: Six Months in Review Document DUE AUGUST 26th ADM APPROVAL

Good Morning Folks,

The Minister's office has requested a Six Months in Review document showcasing the Ministry's achievements within the first six months of 2022.

SIB has partially updated the 2021/22 year in review document we produced last year , but needs your assistance with the following elements:

- Pages 3 through 5: mandate letter items. Using our estimates notes, we have provided updates on mandate letter items.  
**Action required:** Using track changes, please review those items pertaining to your business area and update as needed.
- Pages 7 through 9: Highlights for the first six months. SIB has pulled various elements for our estimates notes that could be highlighted. We have provided the highlight in one or two cases.  
**Action required:** Taking care not to duplicate the mandate letter updates in the previous section, please provide highlights from Jan to June 2022, picking from the list. MO has asked for highlights for the BC Hydrogen Office, Bills 15 and 17, and the new Royalty Framework. Everything else on the list is optional at your discretion.....three highlights from each Division will be fine.

Please return the 2022 EMLI Six Months in Review Concept document to me by **4:00 pm on Friday, August 26<sup>th</sup>, 2022**.  
ADM Approval required.

Thank you,

Selena Hunjen

Performance Management Analyst  
Strategic Initiatives Branch  
Strategic and Indigenous Affairs Division  
Ministry of Energy, Mines and Low Carbon Innovation  
P: 250-952-3210  
C: s 17

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s.13

## FW: EMLI Budget Letter

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**From:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Sent:** September 6, 2022 12:20:02 PM PDT  
**Attachments:** Appendix G NRM Expenditure Management Controls.pdf, 22\_23 EMLI Consolidated Target Budget Letter.pdf, Appendix B EMLI 2223 to 2425 Budget & Fiscal Plan and Approved Contingencies.pdf, image001.png, Appendix C TBS STOB and Fiscal Management Directions.pdf, Appendix A EMLI Budget 2022 Letter.pdf, Appendix H EMLI Summary of Directives and Reportbacks.pdf, Appendix E EMLI Target Allocations by Division.pdf, Appendix F NRM DIO Managed Capital Projects.pdf, Appendix D TBS Capital Management Directions.pdf

FYI – I redistributed your email to the EDs for discussion at tomorrow's check-in (forgot to cc you).



**Cathy Schmidt** | Manager, Division Operations  
Office of the Assistant Deputy Minister | Electricity and Alternative Energy Division  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone:** (250) 952-0673 **Cell:** s.17 **Email:** cathy.schmidt@gov.bc.ca

---

**From:** Schmidt, Cathy A EMLI:EX  
**Sent:** September 6, 2022 12:19 PM  
**To:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Sopinka, Amy EMLI:EX <Amy.Sopinka@gov.bc.ca>; Rensing, Michael J EMLI:EX <Michael.Rensing@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>; Eichenberger, Kathy EMLI:EX <Kathy.Eichenberger@gov.bc.ca>; Gensey, Guy EMLI:EX <Guy.Gensey@gov.bc.ca>  
**Subject:** FW: EMLI Budget Letter

Resending for discussion at check-in tomorrow.



**Cathy Schmidt** | Manager, Division Operations  
Office of the Assistant Deputy Minister | Electricity and Alternative Energy Division  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone:** (250) 952-0673 **Cell:** s.17 **Email:** cathy.schmidt@gov.bc.ca

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**From:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Sent:** July 12, 2022 6:34 AM  
**To:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Sopinka, Amy EMLI:EX <Amy.Sopinka@gov.bc.ca>; Gensey, Guy EMLI:EX <Guy.Gensey@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>; Rensing, Michael J EMLI:EX <Michael.Rensing@gov.bc.ca>; Eichenberger, Kathy EMLI:EX <Kathy.Eichenberger@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
**Subject:** FW: EMLI Budget Letter

More detail based on the Ministry Budget Letter. For discussion when we are all back from holidays.

Les

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**From:** Jang, Monica EMLI:EX <Monica.Jang@gov.bc.ca>  
**Sent:** July 11, 2022 8:20 AM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>; Coley, Simon J EMLI:EX <Simon.Coley@gov.bc.ca>; Amann-Blake, Nathaniel EMLI:EX <Nathaniel.Amann-Blake@gov.bc.ca>; Bowman, Deborah EMLI:EX <Deborah.Bowman@gov.bc.ca>; Robb, Peter L. EMLI:EX <Peter.Robb@gov.bc.ca>; Demchuk, Tania EMLI:EX <Tania.Demchuk@gov.bc.ca>; Manahan, Suzanne EMLI:EX <Suzanne.Manahan@gov.bc.ca>; Trumpy, Chris EMLI:EX <Chris.Trumpy@gov.bc.ca>; De Champlain, Rhonda EMLI:EX <Rhonda.DeChamplain@gov.bc.ca>  
**Cc:** Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>; Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>; Roland, Michelle CSNR:EX <Michelle.Roland@gov.bc.ca>; MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>; Wolf, Viva EMLI:EX <Viva.Wolf@gov.bc.ca>; Warnock, George EMLI:EX <George.Warnock@gov.bc.ca>; Rollo, Andrew EMLI:EX <Andrew.Rollo@gov.bc.ca>; Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>

**Subject:** EMLI Budget Letter

Good Morning,

Please find attached EMLI's Budget Letter from Fazil with 2022/23 target budget allocations for your divisions.

Thanks,

Monica.

## **Appendix G - Expenditure Management Controls**

Last updated May 31, 2022

Government expenditure management controls remain in effect for fiscal 2022/23. This document provides further clarity to the guidance on government's fiscal management requirements which were attached to each Ministry's budget letter.

s.12; s.13



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s.12 ; s.13

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s.12 ; s.13

s.12; s.13

- Please contact your ministry's Chief Financial Officer or Director, Financial Planning and Reporting, not Treasury Board staff, for STOB 80 approvals



Date: July 6, 2022

To: Peter Robb, Assistant Deputy Minister  
Les MacLaren, Assistant Deputy Minister  
Nathaniel Amann-Blake, Assistant Deputy Minister  
Tania Demchuk, Assistant Deputy Minister  
Simon Coley, Assistant Deputy Minister  
Deborah Bowman, Assistant Deputy Minister  
Suzanne Manahan, Executive Lead  
Chris Trumpy, Executive Lead  
Rhonda De Champlain, Director

**Re: 2022/23 Target Budget Allocation**

I am writing to provide you with information on the 2022/23 target budget allocations for your division.

The Minister of Finance provided the Ministry budget letter on April 22, 2022. (See Appendix A). We continue to be in a time of fiscal restraint, my expectation is you will build on the strong collaboration between your divisions to identify pressures and opportunities in a timely manner through the monthly forecasting process.

Please ensure your programs continue to work closely with the CSNR Financial Services Branch, who will coordinate with Treasury Board Staff to identify any areas of risk to your budget and develop mitigation strategies to ensure you meet your budget targets in support of strong and transparent fiscal management.

The ministry allocations are as follows with divisional working budget allocations for fiscal 2022/23 in Appendix E:

2022/23 Budget Allocations and Future Year Targets			
(\$millions)	2022/23	2023/24	2024/25
Operating	111.959	120.820	112.788
CRF Capital	0.586	0.333	0.333

Spending restraints continue to be in place for 2022/23. See Appendix G for the current Natural Resource Ministry (NRM) Expenditure Management Controls. **You should make your financial plans based on these guidelines and your divisional targets as detailed in Appendix E.**

### Budget Allocations:

Appendix C provides guidance on government's fiscal management requirements and direction on a number of budget related policies including STOB management rules and quarterly reporting requirements. NRM controls incorporating government corporate directions are outlined in Appendix G. Please note STOB controls are managed at the Ministry Level and the working budgets provide internal targets. Of particular note:

s.12; s.13

**Appendix D** provides guidance on Capital Management.

s.13; s.17

Any additional recoveries arranged by your staff will be applied initially to your division as needed to offset pressures, and then to corporate overhead.

#### Ministry Specific Direction

We are to support the Ministry of Indigenous Relations and Reconciliation's (MIRR) and the Ministry of Land, Water and Resource Stewardship (LWRS) with ongoing work to identify policy barriers impacting the availability of Crown land for inclusion in agreements with First Nations (i.e., treaties, comprehensive reconciliation agreements, and reconciliation agreements),  
s.12; s.13

See **Appendix H** for a full listing of current directives/report backs.

#### Electricity and Alternative Energy (EAED)

s.13; s.17

**Table 1 summarizes the approved ICE spending plan**

s.13; s.17

**Mines, Competitiveness and Authorizations (MCAD) and Mines Health, Safety and Enforcement (MHSE)**

s.13; s.17

**Mines, Competitiveness and Authorizations (MCAD)**

s.13; s.17

**Oil and Gas**

s.13; s.17

**Executive and Support Services**

s.13; s.17

Contingency Approvals are detailed in **Appendix B.**

#### Salary and Benefits:

s.13; s.17

#### Corporate Overhead Account

As part of the budget allocation process and in an effort to streamline overhead accounts across the Natural Resource Ministries (NRM), amortization, vehicle expenses and legal costs are part of the overhead account.

#### Grants and Transfers

s.12; s.13

#### Contingency Access

There continues to be no new or further access to Contingencies in 2022/23 for existing programs or new initiatives beyond existing approvals as per Appendix B. s.13; s.17

s.13; s.17

Requests to access Contingency for new programs/priorities will only be considered after the 3rd quarter except under the following circumstances:

- Items that are related to COVID-19 pandemic response and recovery;
- Items that are related to natural disaster response and recovery (e.g., wildfire, flood); and
- Statutory or contractual obligations (e.g., meeting cost share obligations of federal agreement)



s.13; s.17

**The current approved contingencies for the ministry are detailed in Appendix B.**

The ministry also has formal capital contingencies approval for up to \$0.144M in 2022/23 to purchase 3 new vehicles for new staff in the mining divisions.

Treasury Board Submissions

s.13; s.17

Cabinet Submissions should be directed to Rhonda De Champlain.

Revised STOB Allocation

For monthly monitoring and forecast reporting, we will need your assistance to allocate your division level target budget allocations to your branches and programs at the 2-digit STOB level. Your primary contact is your Manager, Budget and Financial Services – Melissa MacKenzie. Melissa will work with your Executive Directors to confirm STOB level allocations.

Capital:

s.13; s.17

You should work closely with Ranbir Parmar, EFO, and Raman Dale, CFO, to identify any area of risk to your budget and develop mitigation strategies to ensure that your budget and the ministry's bottom line are not compromised. Financial Services Branch would be pleased to meet with your leadership team to review your budget letter and answer any related questions to ensure that your management team has a full understanding of their role in the management of the ministry budget.

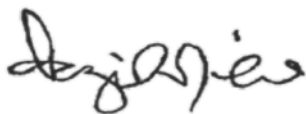
### Monthly Expenditure Forecasting:

The Ministry has been successful in past years managing pressures and identifying savings such that it can deliver efficiently and effectively on its mandate within its overall budget allocation. As such, it is critical for branches and Divisions to continue to identify not only pressures but savings in a timely manner through the monthly forecasting process. This way, the ministry can develop appropriate mitigation strategies for the identified pressures that cannot be managed within the division, as well as direct the savings to other ministry pressures or priorities. Timely information is vital to ensure the Ministry is able to take the required actions to effectively manage its budget.

You should work closely with Ranbir Parmar, EFO, and Raman Dale, CFO, to identify any area of risk to your budget and develop mitigation strategies to ensure that your budget and the ministry's bottom line are not compromised. Raman would be pleased to meet with your management team to review your budget letter and answer any related questions to ensure that your management team has a full understanding of their role in the management of the ministry budget.

I'd like to thank you and your staff for your assistance in effectively managing the budget during 2021/22, and for continuing our strong budget management practices in Fiscal 2022/23.

Sincerely,



Fazil Mihlar  
Deputy Minister

cc: Ranbir Parmar, Executive Financial Officer, CSNR  
Raman Dale, Chief Financial Officer, CSNR  
Michelle Roland, Director - Financial Planning and Reporting, CSNR  
Melissa MacKenzie, Manager – Budgets & Financial Services, CSNR

Appendix A – EMLI Budget 2022 Letter  
Appendix B – EMLI 22/23 to 24/25 Budget & Fiscal Plan and Approved Contingencies  
Appendix C – TBS STOB and Fiscal Management Directions  
Appendix D – TBS Capital Management Directions  
Appendix E – EMLI Target Allocations by Division  
Appendix F – NRM DIO Managed Capital Projects  
Appendix G – NRM Expenditure Management Controls  
Appendix H – Summary of Directives & Report backs

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s.12 ; s.13

## Appendix C

This Appendix has the following sections:

1. Policy or Program Proposals with Financial Implications
2. Operating Contingencies
3. Year-End Funding
4. *BBMAA*, Statutory Appropriations, and Special Accounts
5. Commercial Crown Corporations, Taxpayer-supported Service Delivery Agencies and SUCH Sector Organizations - Fiscal Target Management
6. STOB Management
7. Public Sector Bargaining
8. Property Management and Shared Services BC
9. Other Budget Management Requirements

### 1) **Policy or Program Proposals with Financial Implications**

Ministries must seek prior Treasury Board approval of:

- Any new policies or programs;
- Changes to existing policies or programs;
- Significant long-term contracts and contract renewals; or
- Major alternative service delivery projects/agreements

Per Treasury Board Directive 2/96, all new program proposals must include a program design plan; a three-year business plan; and a clear description of the accountability structure.

Ministries must identify financial implications of proposed changes, which may include changes or a risk of changes to government's revenues, expenditures, assets, or liabilities. Cross-ministry financial implications must also be considered and identified, including any facilities or IM/IT requirements for the Ministry of Citizens' Services (CITZ).

Consistent with Government's Core Policy and Procedures Manual (CPPM), Treasury Board approval is required for all projects and initiatives (such as corporate services funded through chargebacks or capital projects) that assume contributions from other ministries to fund or partially fund costs. Please refer to Treasury Board Directives for applicable policies and consult with Treasury Board Staff (TBS) if you have any questions on these requirements.

#### ***a. Targeted Expenditures***

*Budget 2022* provides base budget lifts for targeted initiatives or programs. Ministries may not reallocate targeted funds to other ministry programs without prior approval from the Chair of Treasury Board unless otherwise specified.

***b. Revenues***

Any adjustment to revenue policies including revenue rates, credits, remissions, etc. requires prior approval. Ministry staff should consult TBS to determine the appropriate process.

***c. Treasury Board Submissions***

Ministry staff should engage with TBS prior to the development of Treasury Board submissions<sup>s.12; s.13</sup>

s.12; s.13

Ministries should consult with TBS to ensure that all pertinent information required by Treasury Board to make an informed decision is included in the ministry's submission prior to obtaining final ministerial approval.

s.12; s.13

Please refer to the Performance Budgeting Office intranet site for information outlining the Treasury Board submission process/timelines.

Other Specific Considerations:

*Gender Based Analysis Plus (GBA+)*

Ministries are expected to integrate Gender Based Analysis Plus (GBA+) into new and existing policies, programs and initiatives. All Treasury Board submissions are expected to outline how GBA+ methodology and equity considerations have been incorporated through all phases of the policy development cycle from issue identification through to monitoring and evaluation, and indicate how this has influenced the options and recommendations.<sup>s.12; s.13</sup>

*Submissions with Indigenous Considerations*

Ministries must work with TBS and the Ministry of Indigenous Relations and Reconciliation,<sup>s.12; s.13</sup>

*Submissions with CleanBC and Other Climate-Related Considerations*

Ministries must engage with the Ministry of Environment and Climate Change Strategy in the development of any Treasury Board submissions related to CleanBC and other climate-related programming in addition to any submissions with implications for the Province's greenhouse gas emission reduction targets.

Ministries with measures that reduce greenhouse gas emissions or adapt to climate change are to work with the Ministry of Environment and Climate Change Strategy to identify ways to incorporate emission reductions associated with those measures into tracking progress towards the Province's reduction targets, and as part of annual climate accountability

reporting. This includes emission reductions measures associated with CleanBC programs, investments outside of CleanBC, regulatory measures, and any other measures to reduce emissions.

s.12; s.13

***e. Regulation Changes***

Ministries must seek Treasury Board review of regulation changes with potential financial implications for government or government agencies (e.g., Crown corporations). Ministries are also accountable for ensuring appropriate consultation is undertaken to evaluate the potential fiscal implications across government.

s.12; s.13



*Pandemic and Recovery Contingencies and Flooding Contingencies*

*Budget 2022* includes funding reserved for unanticipated and urgent needs associated with pandemic response and economic recovery (Pandemic and Recovery Contingencies). Pandemic and Recovery Contingencies are to only be used to support urgent needs and unanticipated events related to priority pandemic and recovery responses.

*Budget 2022* includes funding reserved for costs associated with recovery from the November 2021 flooding events s.12; s.13  
s.12; s.13

Please refer to Appendix C for information about Capital Contingencies.

s.12; s.13

4) **BBMAA, Statutory Appropriations, and Special Accounts**

Under section 3 of the *Balanced Budget and Ministerial Accountability Act (BBMAA)*, your ministerial salary is reduced by 10 per cent. This will be restored on the day after the 2022/23 *Public Accounts* are released, provided your ministry's actual 2022/23 operating spending does not exceed your operating expense accountabilities outlined in Schedule F of the 2022/23 *Estimates*.

Notwithstanding the exclusions of statutory appropriations from Schedule F, your ministry is not to exceed your ministry's 2022/23 budget allocation and future year targets noted in the body of this letter without prior Treasury Board approval.

s.12; s.13

5) **Commercial Crown Corporations, Taxpayer-supported Service Delivery Agencies and SUCH Sector Organizations - Fiscal Target Management**

Your ministry is responsible for overseeing the financial position and operating results of commercial Crown corporations, service delivery agencies and SUCH sector organizations (school districts, universities, colleges, health authorities and hospital societies) that fall under your legislated responsibilities.

s.12; s.13

Ministries with SUCH sector responsibilities are required to report quarterly to TBS on progress in achieving *Budget 2022* financial targets and to ensure their organizations will collectively meet bottom line, net expense, and debt targets. In addition, all ministries are

*Budget 2022 Letter Appendix B- Page 7*

required to ensure the agencies and organizations for which they are responsible manage their capital projects within approved project budgets or previously approved envelopes, and where necessary develop strategies to ensure projects and envelopes remain within approved provincial funding limits.

**6) STOB Management**

Expenditure management controls remain in effect for *Budget 2022*<sup>s.12; s.13</sup>  
s.12; s.13

s.12; s.13

**7) Public Sector Compensation**

***a. B.C. Public Sector Bargaining***

s.12; s.13

***b. 2021 - 2023 Public Sector Compensation Mandate***

*Budget 2022* includes centralized funding to assist with anticipated costs of concluding collective bargaining agreements under the 2022 *Shared Recovery Mandate* s.12; s.13

s.12; s.13

**8) Property Management and Shared Services**

***a. Effective Property Management***

As one of the largest owners and tenants of real estate in British Columbia, the Province has an obligation to responsibly manage the real estate portfolio in the best interests of taxpayers.

*Budget 2022 Letter Appendix B- Page 10*

All organizations throughout the Government Reporting Entity, including ministries, SUCH sector organizations (school districts, universities, colleges, and health authorities), and Crown corporations and agencies, are expected to follow the Inventory Policy for Real Property. This policy includes the requirement to identify properties that are surplus to an organization's needs to CITZ, which is managing this information on behalf of the Province.

s.12; s.13

***b. CITZ - Shared Services***

Ministries are expected to continue to work cooperatively with CITZ to actively manage down their consumption and reduce governments cost for information technology and facilities, to generate efficiencies and control costs. s.12; s.13

s.12; s.13

Corporate Supply Arrangements (CSAs) have been established for use by government ministries and public sector organizations in B.C. to provide value for taxpayers. Ministries must not use any procurement or solicitation instrument (e.g., RFP) to acquire goods or services that are currently available through a CSA. As well, broader public sector organizations in the province may be eligible to access the pricing, terms and conditions set out in many of these supply arrangements. Please access the [Goods and Services Catalogue](#) for more information.

#### *Procurement and Oversight of Complex/High Risk Services*

The Strategic Partnerships Office (SPO) in CITZ is responsible for providing central coordination and expertise across core government in the business planning and management of major, high-risk strategic contracts<sup>s.12; s.13</sup>  
s.12; s.13

For information regarding IM/IT Capital Investments, please refer to Appendix C.

### **9) Other Budget Management Requirements**

s.12; s.13; s.14

#### ***b. Recoveries and Fees/Fines***

s.12; s.13

All fee and fine proposals (i.e., new, increase, decrease, elimination, exemption or change in scope of coverage) must be reviewed by Treasury Board. The Fee/Fine Treasury Board Submission template is located on the TBS Performance Budgeting Office intranet site.

Consistent with the principle of ministerial accountability, each ministry and program area charging fees is responsible for ongoing monitoring of its fees to ensure that the approved fee



rates continue to be appropriate and consistent with relevant government policies and regulations. s.12; s.13  
s.12; s.13

Ministries are reminded that the fee database is only updated when changes have been legally authorized by cabinet Regulation / OIC, Ministerial Order or Minister of Finance Directive. The current fee database is available on the TBS intranet site. In order to keep the database current, it is important that ministries notify TBS as soon as possible once legal authorization for fees has been received.

***c. Sponsored Crown Grants (SCGs) and Nominal Rent Tenures (NRTs)***

s.12; s.13

For further information on the funding and approval process, please contact the Ministry of Forests.

## Appendix H - EMLI Directives and Report Backs

Item	DL#	Date of Directive	Directive /Report Back	To Whom	Due	Division
TBS reporting	BTAA		quarterly reporting of fiscal forecast, risks and planned contingency draw	TBS	Quarterly	CSNR
Event Driven Reporting - COVID-19	OCG	11-Mar-20	capture direct and incremental expenditures associated to these events. Expenditures identified under these events will be incremental to the regular business of government	OCG/TBS	Quarterly	CSNR
Event Driven Reporting - Extreme Weather	OCG	06-Dec-21	capture direct and incremental expenditures associated to these events. Expenditures identified under these events will be incremental to the regular business of government	OCG/TBS	Quarterly	CSNR
Event Driven Reporting - Displaced Ukrainians	OCG	27-Apr-22	capture direct and incremental expenditures associated to these events. Expenditures identified under these events will be incremental to the regular business of government	OCG/TBS	Quarterly	CSNR
Mining Resources (Regulatory Excellence, Major Mines & Regional Permitting)	488609	10-Nov-21	updates on KPIs	Treasury Board Staff	Quarterly	MCAD/MHSE
Fuel Price Transparency Act Report back	480230	29-Mar-21	resulting outcomes of the Act, for consideration of future resourcing. In developing and tracking performance measures please include an assessment on improved education and communications to the public as a result of the Act's implementation	Chair of Treasury Board	2022/23	OGD
Remote Community Energy Efficiency Incentives	491545	02-Mar-22	performance report of the project lifecycle and Remote Community Energy Efficiency streams of the Remote Community Diesel Reduction Program. Report to include at a minimum, the number of projects funded, the estimated annual emissions reduced per project and for the program overall and the associated \$/tonne of reductions.	Chair of Treasury Board	2024-07-05	EAED
Go Electric LDEV rebates & LCFS credits	491905	14-Mar-22	identify ways to transition the use of LCFS credits to fund incentives for other vehicles (eg. Specialty Use Incentive Program) instead of for sedans in the LDZEV pool.	Chair of Treasury Board	2025-07-01	EAED
s.12; s.13	491905	14-Mar-22	s.12; s.13			

## EMLI Directives and Report Backs

Item	DL#	Date of Directive	Directive /Report Back	To Whom	Due	Division
Go Electric Income Tested Rebate Levels	491905	14-Mar-22	implementaion plan including the final proposed framework & parameters. Considering the potential interplay of Budget 2022 PST changes affecting ZEVs to ensure balance incentive approach across new and used markets	Secretary to Treasury Board	2022-06-01	EAED
CleanBC: Northern & Rural Offer 2022/23 contingency	Budget 2022	22-Apr-22	final program parameters prior to launching the program offer	Treasury Board Staff	prior to accessing	EAED
Clean BC: CleanTech Innovation to Leverage Federal Funding 2022/23 contingency	Budget 2022	22-Apr-22	proposal to maximize federal contributions, identify how the funding will be spent, and what outcomes will be achieved	Chair of Treasury Board	prior to accessing	EAED
Building Pathways	Budget 2022	22-Apr-22	any adjustment to BHBB programming to determine appropriate approval process	Treasury Board Staff	as needed	EAED
Buidling Pathways	Budget 2022	22-Apr-22	plan to consider efficiencies in the delivery of the various energy efficiency programs (e.g., BHBB and those offered through BC Hydro), namely, consideration of folding funding into a single program prior to any future budget submission	Deputy Secretary to Treasury Board	Budget 2023/Dec2022	EAED
Availability of Crown land	Budget 2022	22-Apr-22	Work with the Ministries of Forests; Land, Water & Resource Stewardship; Indigenous Relations & Reconciliation; Agriculture & Food; Citizens' Services, and; Transportation & Infrastructure to advance work and identify policy barriers impacting the availability of Crown land for inclusion in agreements with First Nations (i.e. Treaties, comprehensive reconciliation agreements and reconciliation agreements), and develop mitigation options for consideration by a relevant Cabinet committee as appropriate	Treasury Board	Budget 2023/Dec2022	
Go Electric Program Report back	Budget 2021	28-May-21	program status updates	Treasury Board Staff	quarterly	EAED
CleanBC & Emission reduction Review (ENV lead)	Budget 2021	28-May-21	performance review of all CleanBC programs and climate related measures. Referencing funding allocation and actual expenditures by program by fiscal year	Treasury Board	Budget 2023/Dec2022	ENV

## EMLI Directives and Report Backs

Item	DL#	Date of Directive	Directive /Report Back	To Whom	Due	Division
Climate Change Accountability Report -CCAR (ENV Lead)	CCAA		annual reporting	Treasury Board Staff	Annually (calendar YE)	ENV
Royalty Review	492602	18-May-22	directed to seek ongoing costs for develoment & implementation of the revised framework	Treasury Board	Budget 2023/Dec2022	OGD

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Withheld pursuant to/removed as

s.13 ; s.17

## Memorandum



Ref: 117331

Date: April 29, 2022

To: Peter Pokorny, Deputy Minister, Ministry of Agriculture, Food and Fisheries  
Fazil Mihar, Deputy Minister, Ministry of Energy, Mines and Low Carbon Innovation  
Kevin Jardine, Deputy Minister, Ministry of Environment and Climate Change Strategy  
Douglas Caul, Deputy Minister, Ministry of Indigenous Relations and Reconciliation  
Lori Halls, Deputy Minister, Ministry of Land, Water and Resource Stewardship  
Rick Manwaring, Deputy Minister, Ministry of Forests, Lands, Natural Resource  
Operations & Rural Development

Re: Natural Resource Sector Fiscal 2022/23 Initial Release of Capital Funding

Dear colleague,

On behalf of the Deputy Ministers' Committee on Digital and Data (DMCDD), I am writing today to confirm your sector's IM/IT Capital Funding Allocations for fiscal year 2022/23, for approved projects, as outlined in Appendix A.

The Digital Investment Office (DIO) will continue to work with ministries on projects identified in the 2022 Intake process and to understand any new priorities identified in Budget 2022, as well as in-year ad hoc priorities. This analysis may result in a mid-year shift in the capital funding allocations for approved projects.

The Government Chief Information Officer (GCIO) holds IM/IT Capital Funding on behalf of the DMCDD. This letter authorizes ministries to spend against the capital budget for projects previously approved by the Board, and journal voucher (JV) the costs to the DIO, where they will be recorded as work in progress. Once the project is complete and the asset fully capitalized, the asset will be transferred to the ministry for support and management. Ministries are required to fund operating costs, including amortization, for approved capital projects.

Consistent with the IM/IT Capital Investment Management Framework, there are several governance considerations associated with the use of this capital:

- Ministries are reminded that they cannot reallocate funding between projects approved by DMCDD without an approved change request.
- Ministries are required to report quarterly on the progress of their capital projects. Quarterly project progress reports are due to the DIO within two weeks of the end of each fiscal quarter.

- Ministries are required to report on completion of the projects. Post-completion reports are required for each project that completed in 2021/22; this information will be summarized and provided to DMCDD and may be used in external reporting of the benefits achieved from IM/IT capital investments.

For all projects, standard conditions for IM/IT capital projects apply. The standard conditions can be found on the DIO website. Additional requirements:

- The ministry is required to engage with the Digital Investment Office on any specific conditions previously attached to these projects. Please reference previous communication for direction specific to an initiative or project as all project-specific conditions remain in place.
- The ministry is required to advise the Digital Investment Office as early as possible, and preferably before the end of Q2, if they will be unable to fully expend approved capital project funding so that funding can be reallocated to other approved projects.

Please reach out to me if you have any questions regarding your sector's IM/IT capital funding allocations.



CJ Ritchie  
Associate Deputy Minister and Government Chief Information Officer

Attachments: Appendix A

cc: Ranbir Parmar ADM and Executive Financial Officer Ministry of Forests, Lands, Natural Resource Operations & Rural Development	Shauna Brouwer Deputy Minister Ministry of Citizens' Services
Sonja Martins A/ADM and Executive Financial Officer Ministry of Forests, Lands, Natural Resource Operations & Rural Development	JP Fournier Executive Director Digital Investment Office, OCIO Ministry of Citizens' Services
Andrew Calarco ADM and Chief Information Officer Ministry of Environment and Climate Change Strategy	Scott McNaughton Director Digital Investment Office, OCIO Ministry of Citizens' Services
	Maggie Cross DMCDD Secretariat Director

Tamara Romanova  
ED and Chief Financial Officer  
Ministry of Forests, Lands, Natural  
Resource Operations & Rural  
Development

Digital Investment Office, OCIO  
Ministry of Citizens' Services

IMIT Capital Investment Branch

Raman Dale  
ED and A/Chief Financial Officer  
Ministry of Forests, Lands, Natural  
Resource Operations & Rural  
Development

Melissa Kortum  
ED and A/Chief Financial Officer  
Ministry of Forests, Lands, Natural  
Resource Operations & Rural  
Development

Rebecca John  
Director, Treasury Board Staff  
Ministry of Finance



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s.13 ; s.17

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s.13 ; s.17

## Appendix D

### **Capital Management**

There are four main types of capital project expenditures. The management requirements vary for each category, as identified below. Please refer to the Supplemental Capital Definitions on the Treasury Board Staff (TBS) [intranet site](#) for definitions of the types of capital project expenditures.

- 1) Priority Investments (non-IM/IT)
- 2) Routine Capital Envelopes
- 3) IM/IT Capital Investments and Maintenance
- 4) CRF Capital

#### *1) Priority Investments (non-IM/IT)*

s.12; s.13

s.12; s.13

Ministries are expected to manage within the project scope, schedule and budget as approved by Treasury Board. s.12; s.13

s.12; s.13

For clarification on the approval or funding status for any of your ministry's Priority Investment projects, please contact your Treasury Board Analyst. For more information on completing a Concept Plan and Business Plan, please refer to the Concept Plan Guideline and Business Plan Guideline.

s.12; s.13

s.12; s.13

s.12; s.13

the Ministry of Finance.

*CleanBC:*

The Provincial capital plan will support the Province's CleanBC objectives through the establishment of emissions and climate resilience standards for public sector buildings.

s.12; s.13

*Mass Timber (Wood):*

The Province is seeking to demonstrate leadership in the use of this innovative building material, helping to mainstream the use of this value-added product and support the province's forestry industry.

s.12; s.13

*Child care:*

s.12; s.13

s.12; s.13

2) Routine Capital Envelopes

Routine Capital funding envelopes enable ministries to address deferred maintenance and achieve an acceptable level of condition for Government's capital assets. s.12; s.13  
s.12; s.13

CITZ is responsible for corporately managing the CRF Routine Capital envelope for facilities and tenant improvements. s.12; s.13  
s.12; s.13

3) IM/IT Capital and Transformation and Technology Funding

s.12; s.13

#### 4) *CRF Capital*

CRF Capital provides spending appropriation to ministries (as outlined in Schedule C of the 2022/23 *Estimates*) for core government owned assets across several asset classes including land, buildings, tenant improvements, specialized equipment, vehicles, information systems, and office furniture and equipment. CRF capital is comprised of discrete capital projects (including Priority Investments covered above) and recurring capital envelopes, such as ongoing annual funding for office furniture and equipment.

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<sup>3</sup> For Terms of Reference, see [https://intranet.gov.bc.ca/assets/intranet/mtics/ocio/imit-capital-investments/dib\\_terms\\_of\\_reference\\_-\\_approved\\_-\\_march\\_18\\_2021.pdf](https://intranet.gov.bc.ca/assets/intranet/mtics/ocio/imit-capital-investments/dib_terms_of_reference_-_approved_-_march_18_2021.pdf).

s.12; s.13

*Governance and Responsibilities*

Ministries are responsible for the oversight of planning, delivery, and reporting of capital projects in their respective sectors, including those capital projects undertaken by agencies and Crown Corporations for which they are responsible. s.12; s.13

s.12; s.13



Capital Project Reporting

All ministries and their respective agencies, Crown Corporations, school districts, universities, colleges and health authorities/hospital societies included in the Government Reporting Entity must submit quarterly capital spending updates via the Capital Planning System database to the Performance Budgeting Office, TBS, and ensure consistency with quarterly updates provided to the Fiscal Planning and Estimates Branch and the Office of the Comptroller General.

s.12; s.13

The *Budget Transparency and Accountability Act* requires public disclosure for all major capital projects, defined as those with a total cost of \$50 million or greater. Within one month of the approval of the project by Cabinet, the minister responsible must make public a major capital project plan outlining the objectives, costs, benefits, and risks of the project. Making public means either laying the document before the Legislative Assembly, if it is in session, or filing the document with the Clerk of the Legislative Assembly, if the Legislative Assembly is not in session and making the document available to the general public in a reasonable manner, which may include by electronic means.

In addition, major capital projects are reported on publicly each quarter. Please see the policy guidance on reporting for major capital projects, available on the TBS intranet site<sup>4</sup> for more information.

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s.12; s.13

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s.13 ; s.17

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s.13 ; s.17



## FW: For approval: EAED August Forecast

---

From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Sent: October 3, 2022 8:07:35 AM PDT  
Attachments: s.13; s.17

Hi Les,

Could I please get your approval on the forecast that we discussed last week?

Thanks,  
Melissa

---

**From:** MacKenzie, Melissa CSNR:EX  
**Sent:** September 28, 2022 2:39 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
**Subject:** For approval: EAED August Forecast

Hi Les / Cathy

Please find attached the <sup>s.13; s.17</sup>  
are satisfied with it, could you please provide your approval?

for our meeting tomorrow. After our meeting and you

Thanks,

*Melissa*

## August month-end Forecasts - EMLI

---

From: Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>  
To: EMLI Executive Committee <EMPRExCo@Victoria1.gov.bc.ca>  
Cc: Roland, Michelle CSNR:EX <Michelle.Roland@gov.bc.ca>, MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
Sent: October 5, 2022 3:37:03 PM PDT  
Attachments: s.13; s.17

Good afternoon EMLI Exec,

Please find attached the s.13; s.17 From here on, we will be doing monthly projections and our Q2 report is due to TBS on October 19<sup>th</sup>.

*\*\*Note - For this report, and again these are the first projections for the year, it's important to note that meetings took place with MDOs and only a few of the ADMs due to many leaves and scheduling conflicts. In these respects, information has been provided via email.\*\**

As at the end of August 2022, the Ministry is posting a **surplus of \$990K** overall.

### **Key high-level items to flag:**

s.12; s.13; s.17

### **Next steps:**

- Meetings will be occurring with respective MDOs and ADMs over the next couple of weeks for the Q2 forecasts.
- EAED -s.12; s.13; s.17
- We will continue dialogue with appropriate staff on the contaminated sites (Quinsam, Banks Gold etc) and potential funding implications.

Lastly, huge thanks to Melissa for all the work and preparation for this!

Thanks,

**Raman Dale, CPA, CMA**  
Executive Director and Chief Financial Officer  
Ministry of Indigenous Relations and Reconciliation  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone: (250) 920-8810**

*Grateful to be living, learning and working on the traditional territory of the Lekwungen peoples*

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s.13 ; s.17

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s.13 ; s.17

## RE: TBS request re CleanBC programs - Due October 12th

---

From: Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>, Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
Sent: October 7, 2022 1:59:00 PM PDT  
Attachments: Summary of CleanBC approvals\_CI.xlsx  
Hi Les,

An overarching comment, is that the CleanBC emissions reductions are predicated on a certain level of Government investments<sup>s.13</sup>  
s.13

s.12; s.13; s.17

Hope that helps, let me know if you need anything else.

Christina

---

**From:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Sent:** October 7, 2022 6:26 AM  
**To:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
**Cc:** Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
**Subject:** RE: TBS request re CleanBC programs - Due October 12th

Would like some feedback on this before responding to Raman.

Les

---

**From:** Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>  
**Sent:** October 6, 2022 2:08 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
**Cc:** Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>  
**Subject:** TBS request re CleanBC programs - Due October 12th

Hi Les, Nat and Christina,

Looking for your input and assistance in completing a request we received today from TBS:  
s.12; s.13

s.12; s.13

For greater clarity, TBS advised that this is not an opportunity to request funding, rather an information gathering exercise to understand the implications.

We were given the deadline by Wednesday, October 12, appreciate your response prior to that time.

Thank you!

**Raman Dale, CPA, CMA**  
Executive Director and Chief Financial Officer  
Ministry of Indigenous Relations and Reconciliation  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone: (250) 920-8810**

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s.13 ; s.17

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s.13 ; s.17



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Withheld pursuant to/removed as

s.13 ; s.17

## RE: GHG Reductions in Buildings

---

From: Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>, Horne, Matt ENV:EX <Matt.Horne@gov.bc.ca>  
Cc: Muncaster, Katherine EMLI:EX <Katherine.Muncaster@gov.bc.ca>  
Sent: October 11, 2022 9:22:19 AM PDT  
Nickels and dimes aren't going to solve this problem.

On the other hand, we still have a supply chain that is struggling to deliver heat pumps and quality installations in many parts of the province, and no doubt Canada. A dual focus on incentives and supply chain is critical. This is the DNA of the Better Homes program approach, but more needs to be done province-wide by partners like AEST.

The point about electric utilities and regulators providing consumer confidence on rates is key. Interesting suggestions on hybrid heat pumps. Sounds familiar.

Some good data points through out.

Nat

---

**From:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
**Sent:** October 11, 2022 7:44 AM  
**To:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>; Horne, Matt ENV:EX <Matt.Horne@gov.bc.ca>  
**Subject:** GHG Reductions in Buildings

s.13; s.17

### Ottawa's wildly unrealistic net-zero goal for buildings

National Post  
Tuesday, October 11, 2022  
Page FP9  
By Charles Deland

Copyright



*Energizing BC—clean, sustainable and productive*

## FW: TBS request re CleanBC programs - Due October 12th

---

From: Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Muncaster, Katherine EMLI:EX <Katherine.Muncaster@gov.bc.ca>, Terhune, Katie EMLI:EX <Katie.Terhune@gov.bc.ca>, Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
Sent: October 11, 2022 3:30:31 PM PDT  
Hi Les,

Here are the program risks for the Better Homes and Better Buildings (BHBB) portfolio in the absence of a Budget 32 Submission:

s.12; s.13

Nat

---

**From:** Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>  
**Sent:** October 6, 2022 2:08 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
**Cc:** Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>  
**Subject:** TBS request re CleanBC programs - Due October 12th

Hi Les, Nat and Christina,

s.12; s.13

For greater clarity, TBS advised that this is not an opportunity to request funding, rather an information gathering exercise to understand the implications.

We were given the deadline by Wednesday, October 12, appreciate your response prior to that time.

Thank you!

**Raman Dale, CPA, CMA**

Executive Director and Chief Financial Officer

Ministry of Indigenous Relations and Reconciliation

Ministry of Energy, Mines and Low Carbon Innovation

**Phone: (250) 920-8810**

*Grateful to be living, learning and working on the traditional territory of the Lekwungen peoples*

## RE: TBS request re CleanBC programs - Due October 12th

---

From: MacLaren, Les EMLI:EX  
To: Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>, Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>, Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
Cc: Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>  
Sent: October 12, 2022 6:43:40 AM PDT  
Attachments: RE: GHG Reductions in Buildings, RE: TBS request re CleanBC programs - Due October 12th, FW: TBS request re CleanBC programs - Due October 12th

Hi Raman

s.12; s.13

Les

---

**From:** Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>  
**Sent:** October 6, 2022 2:08 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>; Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Ianniciello, Christina EMLI:EX <Christina.Ianniciello@gov.bc.ca>  
**Cc:** Parmar, Ranbir S CSNR:EX <Ranbir.Parmar@gov.bc.ca>  
**Subject:** TBS request re CleanBC programs - Due October 12th

Hi Les, Nat and Christina,

s.12; s.13

For greater clarity, TBS advised that this is not an opportunity to request funding, rather an information gathering exercise to understand the implications.

We were given the deadline by Wednesday, October 12, appreciate your response prior to that time.

Thank you!

**Raman Dale, CPA, CMA**  
Executive Director and Chief Financial Officer  
Ministry of Indigenous Relations and Reconciliation  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone: (250) 920-8810**

*Grateful to be living, learning and working on the traditional territory of the Lekwungen peoples*

**\_Draft\_SOW\_v0.2\_ED**

---

From: Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>, Muncaster, Katherine EMLI:EX <Katherine.Muncaster@gov.bc.ca>, Terhune, Katie EMLI:EX <Katie.Terhune@gov.bc.ca>  
Sent: October 14, 2022 1:50:22 PM PDT  
Attachments: s.22 \_Draft\_SOW\_v0.2\_ED.docx  
Hi Les,

See attached draft SOW for the s.22 BHBB program evaluation.

Thanks to Katherine and Katie for their excellent work on this.

Nat



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s.13 ; s.17

## Couple of things

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From: MacLaren, Les EMLI:EX  
To: Mihlar, Fazil EMLI:EX <Fazil.Mihlar@gov.bc.ca>  
Cc: Jang, Monica JEDC:EX (Monica.Jang@gov.bc.ca) <Monica.Jang@gov.bc.ca>  
Sent: October 17, 2022 6:47:54 AM PDT  
Attachments: s.22 \_Draft\_SOW\_v0.2\_LM.docx  
Morning Fazil

First, was the article below from today's Globe & Mail on electrifying LNGCP2 an intended letting the cat out of the bag? It probably makes our North Coast low carbon economic development and exports story a little harder to tell with this focus on LNG. I note the Finance Minister's speech at the Brookings Institution last week was well aligned with your conversation with Michael Sabia. I have yet to connect with Glenn Purves from Finance Canada. He rescheduled our call from last Friday to tomorrow.

Second, I have been quiet with s.22 since our initial conversations after UBCM. The Statement of Work prepared by Nat's team (attached) is probably too extensive (although you may find it interesting). s.22  
s.22  
s.22

Les

**LNG Canada plan depends on costs of lower-carbon tech: Petronas Canada CEO**  
Globe and Mail  
Monday, October 17, 2022  
Page B01  
By Brent Jang

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*Energizing BC—clean, sustainable and productive*

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s.13

**RE:** s.12; s.13

**for your review by Oct 17th noon (if possible)**

---

**From:** MacLaren, Les EMLI:EX  
**To:** Turner, Jennifer ENV:EX <Jennifer.Turner@gov.bc.ca>, Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>  
**Cc:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>, Horne, Matt ENV:EX <Matt.Horne@gov.bc.ca>  
**Sent:** October 17, 2022 6:49:49 AM PDT  
**Attachments:** s.12; s.13

I have tracked some edits and comments in the attached main body of the report.

Les

---

**From:** Turner, Jennifer ENV:EX <Jennifer.Turner@gov.bc.ca>  
**Sent:** October 13, 2022 5:08 PM  
**To:** MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>; Hewitt, Jeremy ENV:EX <Jeremy.Hewitt@gov.bc.ca>  
**Cc:** Gosman, Nat EMLI:EX <Nathaniel.Gosman@gov.bc.ca>; Horne, Matt ENV:EX <Matt.Horne@gov.bc.ca>  
**Subject:** s.12; s.13 for your review by Oct 17th noon (if possible)

Hi Jeremy and Les

s.12; s.13 as well as linked below. CAS and GCPE will continue to work on the document that's linked so feel free to put your comments in there or in the attached.  
s.12; s.13

Thank you!

Jen

Estimated timelines

s.12; s.13

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s.12 ; s.13



## For approval: September forecasts

---

From: MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
To: MacLaren, Les EMLI:EX <Les.MacLaren@gov.bc.ca>  
Cc: Schmidt, Cathy A EMLI:EX <Cathy.Schmidt@gov.bc.ca>  
Sent: October 19, 2022 3:33:39 PM PDT  
Attachments: s.13; s.17

Hi Les / Cathy

Thanks for meeting with me today.

Please find attached the s.13; s.17

for your approval. Thanks

*Melissa*

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## EMLI Q2 Forecast

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From: Dale, Raman CSNR:EX <Raman.Dale@gov.bc.ca>  
To: EMLI Executive Committee <EMPRExCo@Victoria1.gov.bc.ca>  
Cc: Roland, Michelle CSNR:EX <Michelle.Roland@gov.bc.ca>, MacKenzie, Melissa CSNR:EX <Melissa.Mackenzie@gov.bc.ca>  
Sent: October 28, 2022 10:22:37 AM PDT  
Attachments: s.13; s.17  
Good morning EMLI Executive,

Please find attached the s.13; s.17

As at the end of September 2022, the Ministry is projecting a **surplus of \$1.350M** (up from \$990K last month).

**Key high-level items to flag:**

- Across EMLI, we continue to see significant surpluses in salaries and many divisions are experiencing challenges in recruiting and retaining staff.  
s.12; s.13; s.17

Thank you,

**Raman Dale, CPA, CMA**  
Executive Director and Chief Financial Officer  
Ministry of Indigenous Relations and Reconciliation  
Ministry of Energy, Mines and Low Carbon Innovation  
**Phone: (250) 920-8810**

*Grateful to be living, learning and working on the traditional territory of the Lekwungen peoples*



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