



Ministry of Forests, Lands  
and Natural Resource Operations

# Avoiding Emissions

## Forest Carbon Initiative and Low Carbon Economy Leadership Fund

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Ministry of Forests, Lands, Natural Resource Operations and Rural  
Development





# What is the Forest Carbon Initiative?

FCI activities are designed to bring forest carbon management considerations into forest management





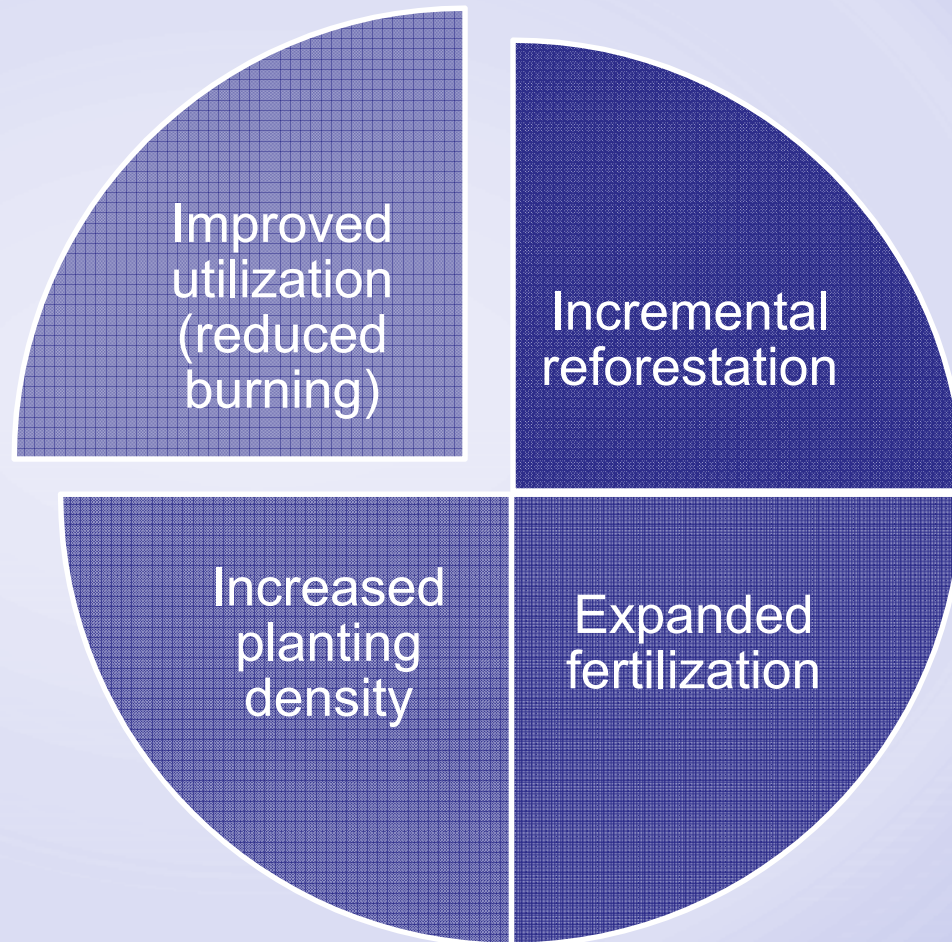
# Where does FCI get its mandate from?

- Partially funded by the Federal Low Carbon Economy Leadership Fund, FCI is part of how BC and Canada will reduce greenhouse gas (GHG) emissions
- Supports FLNRO's
- Goal to expand investments to mitigate and adapt to climate change
- Promotes resilience to climate change, synergizes with wildfire risk reduction and has multiple co-benefits
- Connects to FESBC's purposes and creates an investment partnership to:
  - Support the use of fiber from damaged and low value forests;
  - Treat forests to improve the management of greenhouse gases.



# What are forest carbon projects?

**Eligible  
Forest  
Carbon  
Initiative  
Project  
Investments  
(so far)**





## What is the FCI utilization opportunity ?

- Slash pile burning produces a min of 5M tonnes of GHG's/yr; this is about 8% of the total provincial GHG emissions-- This is the **opportunity!**
- FCI aims to invest \$32–\$55M on utilization projects as part of the broader effort to decrease the amount of slash burned
- Using residual fibre is expected to contribute to increased rural employment and GDP





## What is the FCI utilization opportunity ?

### *For harvest practices:*

- With partial cut or modified retention, residual fibre burnt is reduced, and the remaining trees continue to grow, GHG savings are  $> 109$  tonnes CO<sub>2</sub>e / 100 m<sup>3</sup>

### *Not burning piles; leaving on site*

- By not burning but leaving slash piles on site, emissions of 109 tonnes CO<sub>2</sub>e / 100 m<sup>3</sup> are avoided

### *Bioenergy*

- By not burning and using fibre for bioenergy, 37 tonnes CO<sub>2</sub>e / 100 m<sup>3</sup> are avoided.



## Other FCI utilization opportunities

### *Hauling systems*

- Use of whole tree hauling systems vs. cut to length decreases emissions

### *Longer lived wood products*

- largest GHG benefit from projects that use residual fibre for a long lived wood product such as OSB or lumber.
- residual material for shorter lived products such as pulp or energy creation, have a lower GHG benefit.



## How can we work together

### **Opportunities to pilot innovative utilization projects**

- FCI partnering with FESBC to pilot slash pull back, paying for utilization of slash piles
- Wildfire risk reduction treatments utilizing residual fibre
- Community forest chipping and blow back on site

**Developing FLNR program to use residual fibre that would have been burnt in slash piles**





## What makes an activity eligible for FCI funding/measurement?

- Has to be **incremental** and is consistent with other aspects of **LCELF agreement** (e.g. project proposal submitted to FES or developed by FLNRO or BCTS)
- Aligns with **costs per tonne targets** and has been verified to **reduce GHG's**
  - CCIPB modellers develop the base case scenario and the base case is measured against the anticipated reduction in GHG's through the proposed activity
  - The difference between the two determines the GHG benefit and the ultimate cost/tonne of the activity



## FCI- reducing forest carbon emissions

- Working with Forest Tenures Branch to develop tools, funding and pilots to improve utilization/reduce emissions
- Working with FESBC to confirm utilization projects that reduce emissions
- Developing partners to carry out projects to inform future investments and best practices to reduce emissions
- Exploring options to incent operational practices that avoid emissions



# Where to find information

Forest Carbon Initiative **intranet** site live

internet site coming soon

And contacts...

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## Forest Carbon Initiative

Updated February 1, 2018 - 10:00am

The Forest Carbon Initiative (FCI) is a key part of Province of B.C.'s commitment to take action on climate change. FCI is about forest activities that will reduce greenhouse gas (GHG) emissions and sequester carbon in the provincial forest. FCI supports forest carbon management activities (projects) that grow and store forest carbon to deliver GHG benefits in the medium term (2050), longer term (2050) and beyond.

### The Forest Carbon Initiative

USING OUR KNOWLEDGE OF FORESTS TO REDUCE GREENHOUSE GAS EMISSIONS AND SUPPORT MEETING B.C. AND CANADIAN REDUCTION TARGETS

Reducing GHG emissions and increasing carbon sequestration through incremental work in the following four portfolio areas:

- IMPROVED UTILIZATION**: Reducing the burning of wood from slash piles through increasing utilization and other means.
- INCREMENTAL REFORESTATION**: Replanting and reestablishing incremental areas where there is no legal reforestation obligation. This includes areas covered by wildfire events.

Forest Carbon Initiative Home

Contacts

- Forest Carbon advice
- Integrated Forewest Societies

Resources

- For Forest Practice Learning Fund
- FLNRDR's Forest Carbon Strategy 2014-2020
- CLMNRD's Climate Change Strategy 2013-2018
- Natural Resource & Climate Change



# Key Staff Contacts

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# Questions?

