

# WOOD BIOMASS IN SASKATCHEWAN

April 2020

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Government  
— of —  
Saskatchewan

# Wood Biomass Available for New Projects

**Over 650,000 ODT (1.1 million GMT) annually**

- **Forest Products Mill Wood Waste Biomass**

- **Components of logs entering forest products mills that are not manufactured into the finished product \***
- **Approximately 354,000 ODT (566,000 GMT) available for new project investments**

- **Forest Biomass**

- **Roadside waste left behind after logging operations**
- **Approximately 300,000 ODT (577,000 GMT) economically available for new project investments**

\* Mill wood waste excludes wood chips produced at saw mills, which are typically sold to pulp mills

# Mill Wood Waste Biomass



- Wood waste comprises 12% to 24% of every log entering a mill, depending on the type of finished product (e.g. pulp vs OSB vs lumber)
- Major waste components include sawdust & planer shavings from saw mills, & bark

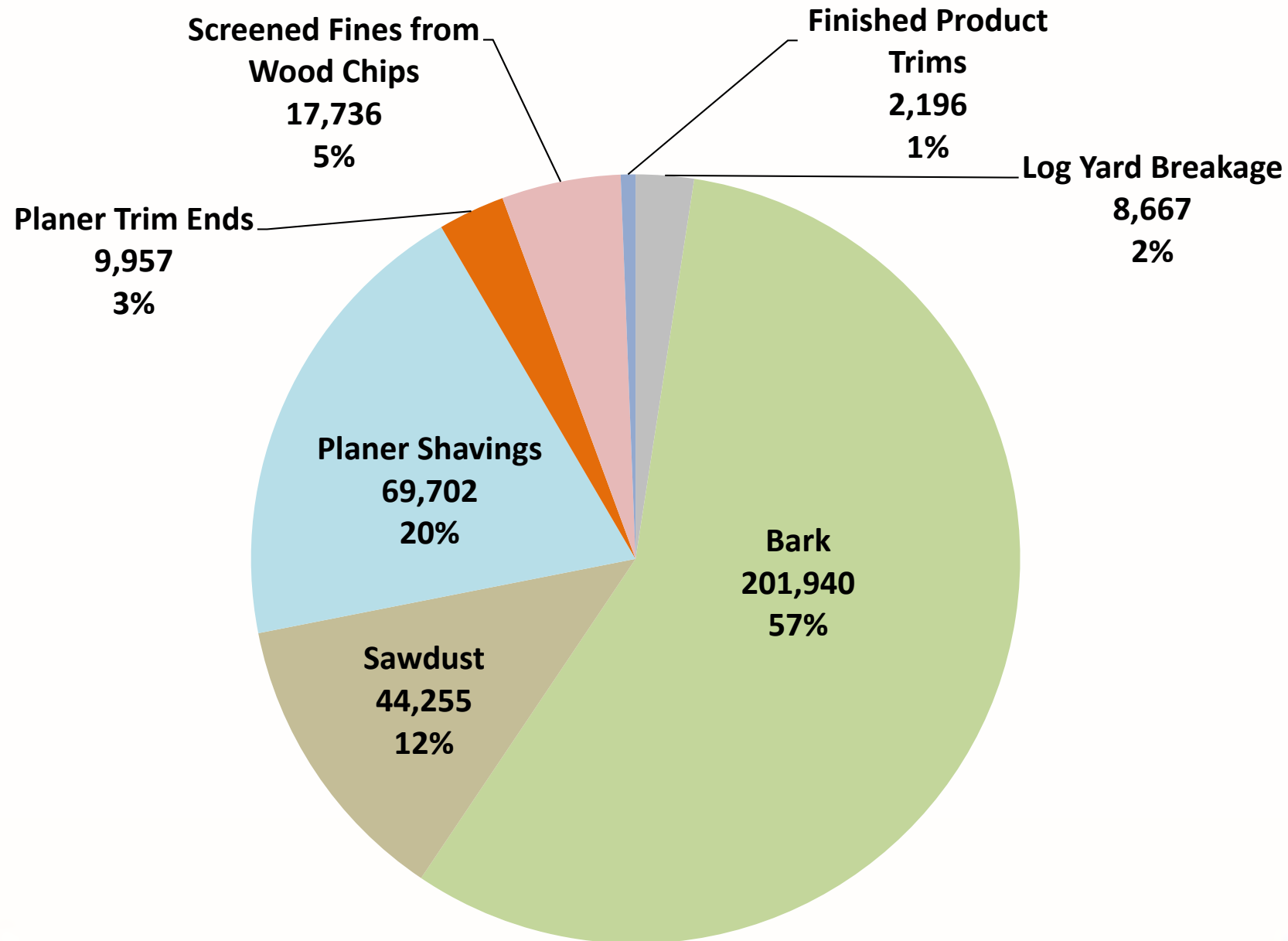


# Mill Wood Waste Biomass in SK

- **No commercial scale wood based biomass facilities operating**
- **Most wood waste still burned in traditional incinerators or landfilled**
  - With exception of OSB mills, which use majority of their wood waste internally

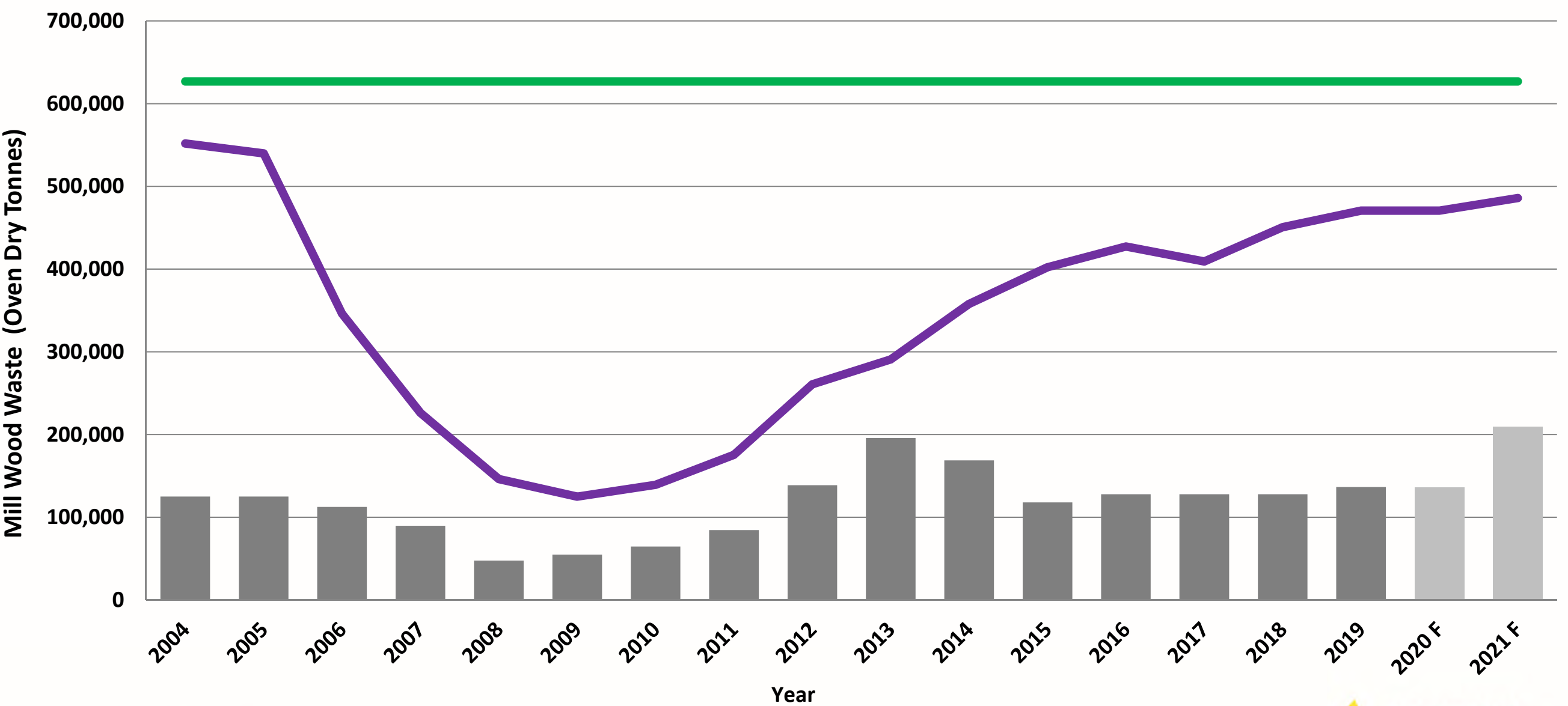


# Mill Wood Waste Available for New Biomass Projects (354,453 ODT)



# Forest Products Mills - Wood Waste Biomass

Mill Wood Waste Utilized
  Mill Wood Waste Generated
  Mill Wood Waste at Capacity



\* OSB mills are using most wood waste internally. Wood waste does not include wood chips from saw mills.

# Forest Biomass from Timber Harvesting

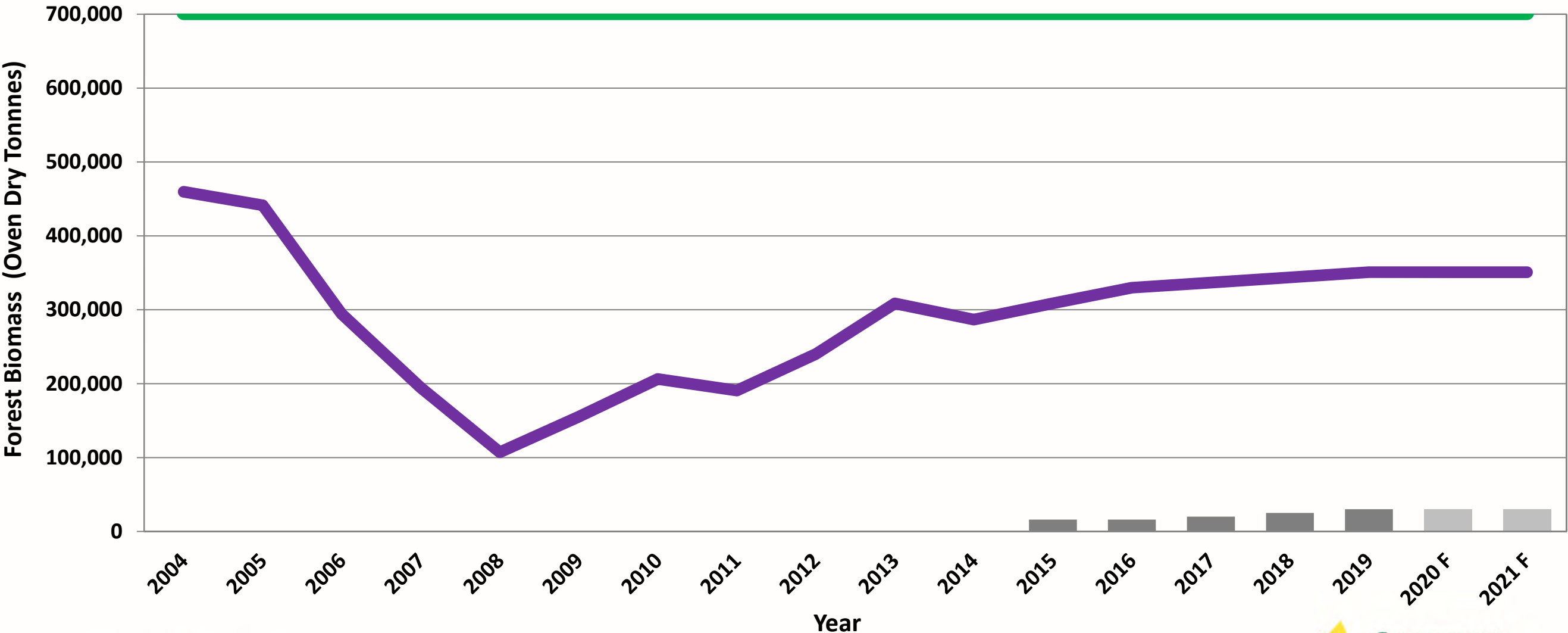
Includes tops of trees <8 cm (3 in) diameter, branches & foliage



- **Currently no market for forest biomass exists in SK, which is piled & burnt at roadside &/or spread back into cut blocks after harvest**

# Forest Biomass

- Forest Biomass Utilized
- Forest Biomass Generated (logging debris inc. tops <8cm)
- Forest Biomass Potential (logging debris inc. tops <8cm)



\* Includes biomass generated from timber harvested on Provincial Forest lands, Crown Agriculture lands & private lands.



# Saskatchewan Large Forest Products Mills



## Mill Type\*

-  Sawmill
-  Pulp
-  OSB

\* Mills utilizing greater than 100,000m<sup>3</sup> annually



**Clusters Available for New Wood Biomass Projects**

## Key Map



-  Non-Commercial Forest Zone
-  Commercial Forest Zone
-  Agricultural Zone
-  Parks and AWR

**Meadow Lake: 308,000 ODT**  
 Mill Wood Waste: 205,000 ODT  
 Logging Waste: 103,000 ODT

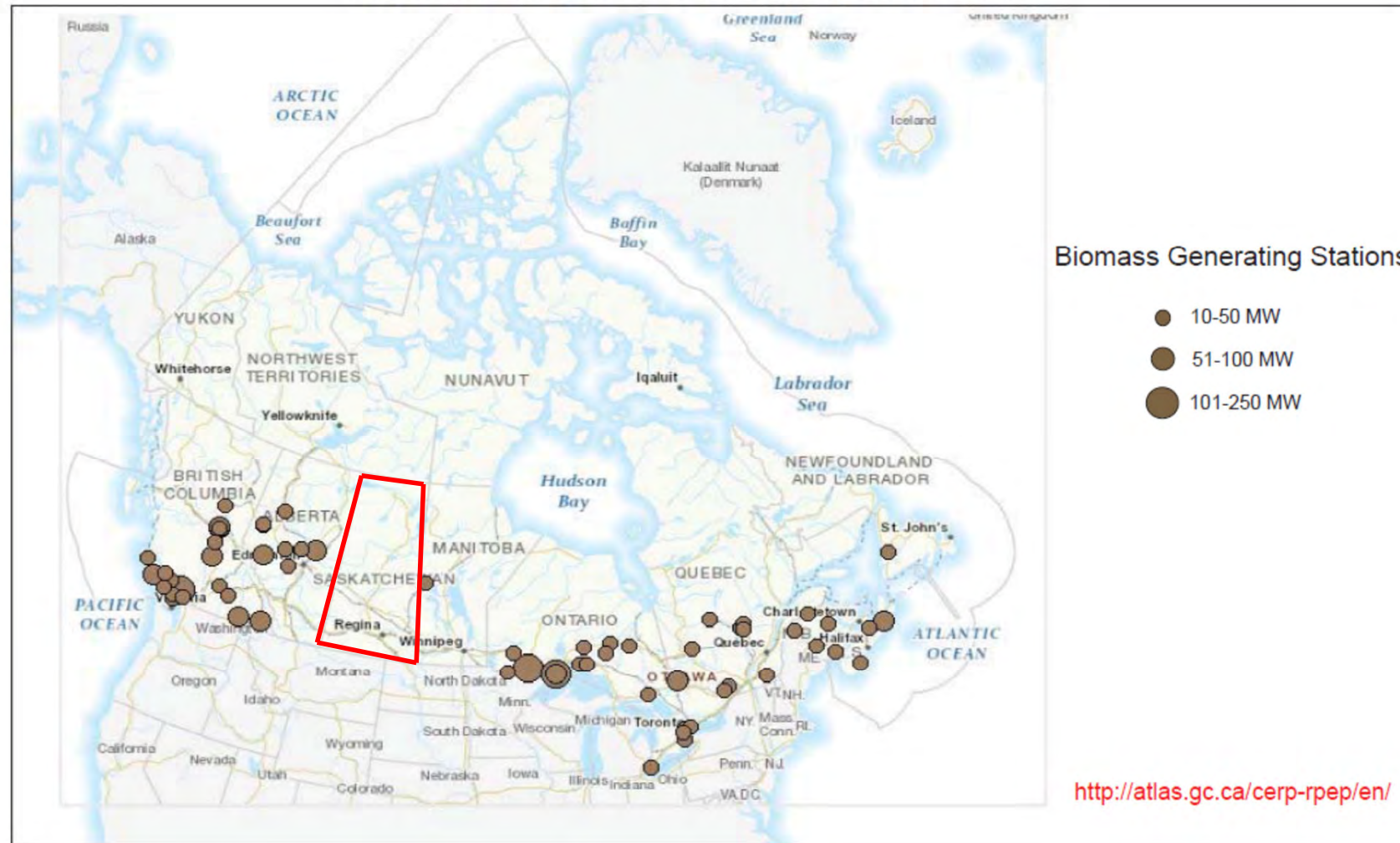
**Prince Albert: 370,000 ODT**  
 Mill Wood Waste: 266,000 ODT  
 Logging Waste: 104,000 ODT

**Hudson Bay: 179,000 ODT**  
 Mill Wood Waste: 82,000 ODT  
 Logging Waste: 97,000 ODT



# Biomass Power Plants in Canada

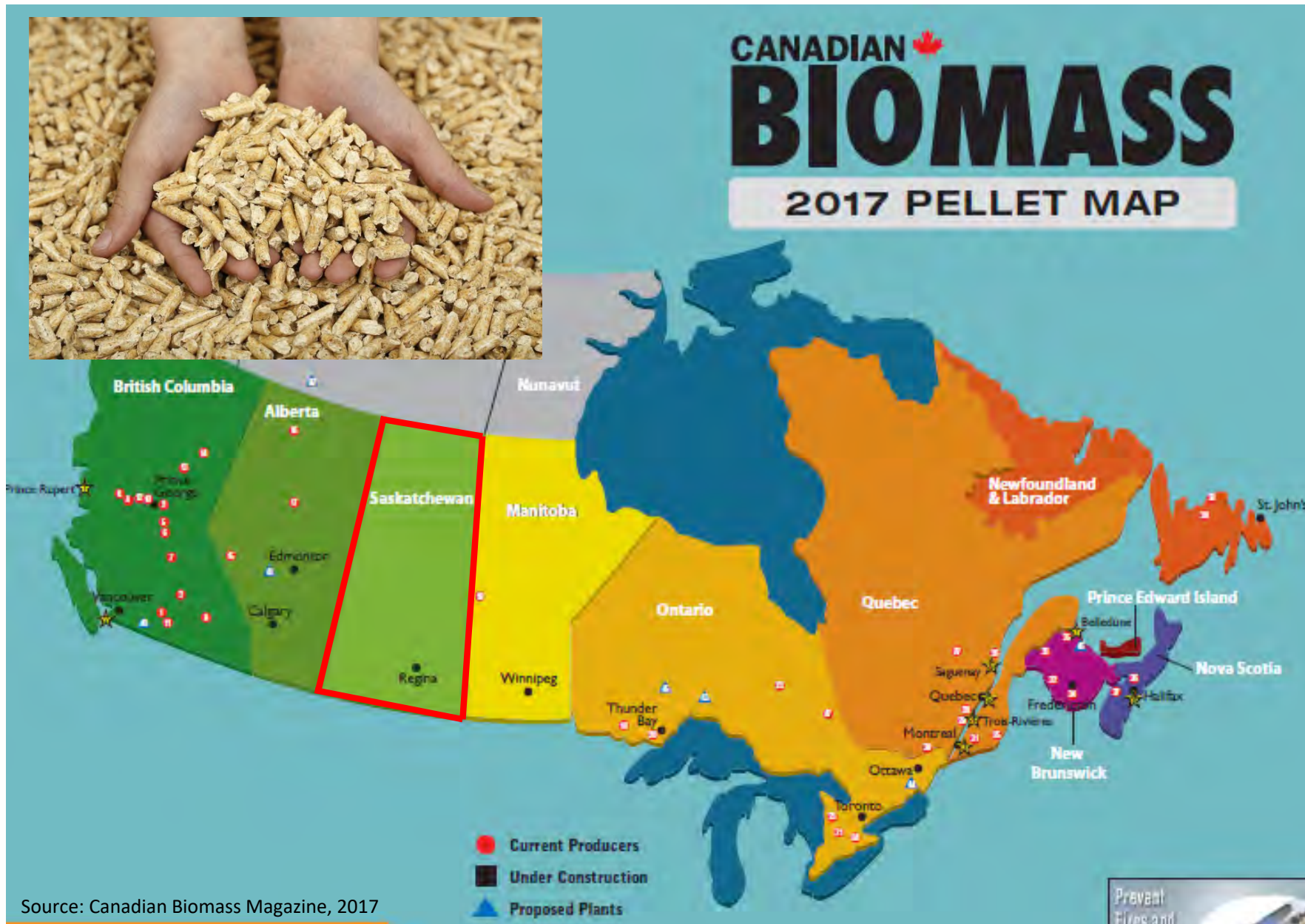
Map of Clean Energy Resources and Projects (CERP) in Canada



 Natural Resources Canada / Ressources naturelles Canada

- 67 biomass based power generation facilities >10 MW operating in Canada, none of which are in SK

[saskatchewan.ca](http://saskatchewan.ca)



- 25 large commercial scale wood pellet facilities operating in Canada, none of which are in SK

**For more information contact:**

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**or visit**

**<https://www.thinksask.ca/invest>**