

# Update on Green Institute Fuels Work

## R-CAP Advisory Committee Meeting

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## Overview

- Very short update on fuels feasibility assessment work
- Overview of methodology for calculating pre-power plant environmental impacts, with focus on carbon impacts
- Present INITIAL, ORDER OF MAGNITUDE results for carbon balances

# Update on Biomass Fuels Feasibility Assessment Work

## Wood Fuel

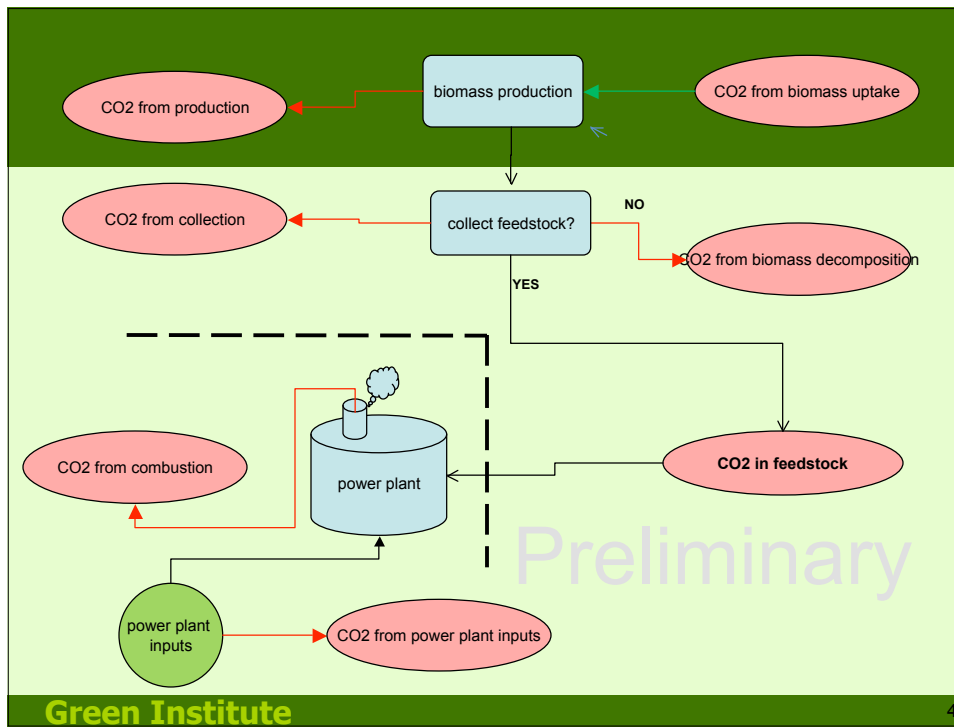
- Identified logging companies and other potential suppliers of wood fuel.
- Validated quantities of logging residue generated in the region.
- Working with DNR to determine potential for augmenting logging residues with "standing residuals" of merchantable species and low-value/under-utilized species (box elder, elm, buckthorn, etc.).
- Assessing cost and availability of wood fuel pellets.

## Agricultural Co-Products and Residues

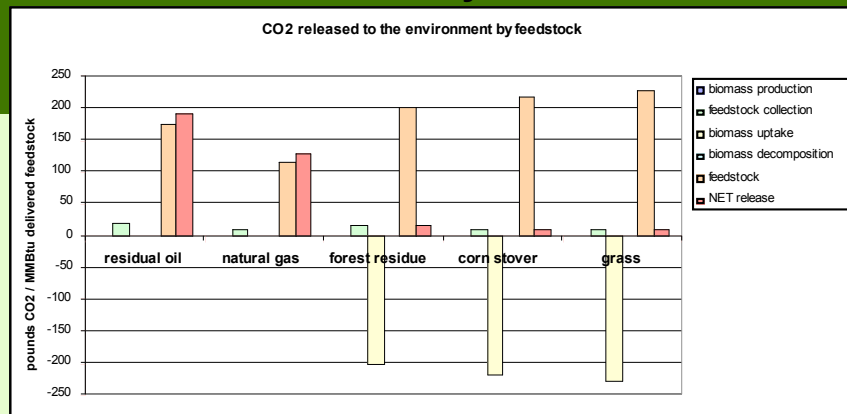
- Working with five potential aggregators (farm supply cooperatives and ethanol companies) that are interested in supplying biomass fuel.
- Working with two additional companies interested in selling agricultural biomass pellets.
- Developing custom harvesting business model.

## Transportation

- Have obtained some information on rail rates.



## --Preliminary--



	residual oil	natural gas	forest residue	corn stover	grass
<b>biomass production</b>	-	-	-	-	-
<b>feedstock collection</b>	18	12	15	11	9
<b>biomass uptake</b>	-	-	-200	-219	-227
<b>biomass decomposition</b>	-	-	-	-	-
<b>feedstock</b>	174	117	200	219	227
<b>NET release</b>	192	129	15	11	9