Boulder County Biomass

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BCPOSTC Heating Plant

**FAST FACTS**

- BCPOOS manages ~ 30,000 acres forest land
- 80 – 200 acres annually in either fuels reduction or forest restoration treatments
- Produce approximately 20-25 tons of total woody biomass per acre
- Currently exploring additional avenues of utilization
now what do we do with it?
BCPOSTC Heating Plant

FAST FACTS

• Operational 05/06 heating season
• Currently heats ~ 95,000² ft
• Includes 5 buildings – hot water distribution system
• Cost of Messersmith system, $260,000.
• Total cost of system ~ $1.5 million
BCPOSTC Heating Plant

FAST FACTS

• Consume 600-700 tons per heating season
• All processing is done in-house
• Only utilize 17 – 43% of annual biomass production on POS properties
BOCO Biomass Heating Plant
bin auger
auger motor/auger

primary conveyor
metering & stoker augers
Boiler Room

gas backup boiler

woodchip boiler
Biomass Processing & Transport

..... or how do we get it from there to here?
BCPOSTC Heating Plant

LESSONS LEARNED

• It's all about the chips!
• Insure that everyone is on board
• Facilitate excellent communication
• Plan for adequate resources & capital
• Storage is important
• Maintain a sense of humor!!
Questions?

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