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Multifuel Cogeneration Plant



IMPETUS FOR PROJECT

- ③ Chosen technology is being used successfully in the US and other countries
- ③ Parent company operates similar equipment in Australia
- ③ Landfill avoidance
- ③ Maintain economic viability



GASIFIER & TECHNOLOGY

- ⊙ Bubbling Fluidized Bed
- ⊙ Innovative Firing Technology
- ⊙ Flue gas cleaning
- ⊙ Continuous emissions monitoring system (CEMS)
- ⊙ Emissions control system does meet Best Available Control Technology (BACT) standard



PERFORMANCE

- ③ 85% Efficient
- ③ Produces 100 tons of steam/hour
- ③ Generates a max 9.0 mega watts of electricity/hour



FUELS & USAGE

- ③ 5,800 DecaTherms/hour
- ③ 650+/- tons of fuel/day
- ③ Wood fuels
- ③ Alternative fuels
- ③ C&D/Pallet fuels



WOOD FUELS

- ① Timber Industry
- ① Commercial clearing and grubbing
- ① Residential yard waste



TIMBER INDUSTRY

- ◎ Harvesting
 1. Zero value stumpage
 2. Dirty chips
 3. Grindings



TIMBER INDUSTRY (CONT.)

- ◎ Mill Byproduct
 1. Bark
 2. Dirty chips
 3. Shavings/sawdust



CLEARING & GRUBBING

- ◎ Clearing & Grubbing
 - Grindings
- ◎ Yard Waste
 - Grindings
 - Chips



ALTERNATIVE FUELS

- ◎ Internal/External rejects
- ◎ Carpet
- ◎ Other



C&D/PALLET FUELS

- ③ Concentration yards
- ③ Roll offs
- ③ Further processors



ASH

- ③ Land application
- ③ Composting
- ③ Mulch products
- ③ Landfill



QUESTIONS?

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