Overview of Ouje Bougamou District Heating System

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Ouje Bougoumou

- Cree Nation in Northern Quebec
- First Biomass DE in Indigenous Community
- Started in 1991 as Gound-up Permanent Village ($46M)
- Started as flat fee for residences
System Overview

- Boiler 1 - 1 MW Thermal and 3.4MMBTU/hr
- Boiler 2 - 1.7 MW Thermal 5.8 MMBTU/hr
- 160 customers
- 1.8 Miles – 2.8 KM
- Hot water
- Primary fuel is sawmilling residuals - Sawdust
- No NG
- Indigenous owned and operated
- 140 homes and 20 are public buildings
- 2.3 km PEX – 0.6 km Steel
System Overview

- Walking Floor fuel storage
- Analog Control System
- Oil Back up in Separate building
- Cyclone on Flue Gas
Boiler Upgrades

• New Containerized 1250kW Viessmann Vitoflex 300-UF
• Standalone boiler control.
• 11.5’ wide x 13’ high x 45’ long – 75,000 lbs
• Flue Gas Cyclone
• Auto Ash removal
• Air Tube Cleaners