

Green Buildings Open House Tour 2023

Sat, June 3, 11 am - 3 pm

SILVER SPONSORS



Town of Banff - Biomass Facility



BRONZE SPONSORS



SITE OVERVIEW

Tour Day: June 3rd, 2023

Address: [REDACTED]

Parking: onsite

Hosts: Town of Banff

Key Attractions:

- Wood chip biomass boiler
- Example of district heating
- Solar photovoltaic array

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WHY IS THE BIOMASS DISTRICT HEATING FACILITY ON THE TOUR

The Town of Banff has created a biomass district heating system to provide renewable heat for four municipal buildings. The biomass district heating system uses a high-tech boiler to burn waste wood, like wood chips, that previously would go to landfill. The advanced combustion chambers produce extremely clean emissions, representing less than a single campfire. Eliminating fossil fuels from heating and reducing waste going to landfills significantly reduces greenhouse gas emissions.

WHAT WILL PEOPLE SEE & LEARN ABOUT AT YOUR PROPERTY?

- Wood waste sorting and processing into wood chip fuel
- High-efficiency wood-chip (biomass) boiler with ultra-clean burning system
- District heating and district cooling
- Solar energy offsetting grid power
- Potential for system expansion
- Reduced heating costs by reducing natural gas consumption
- Project financing
- Town of Banff, Renewable Energy Transition Roadmap

WHAT ENERGY EFFICIENT FEATURES ARE SHOWCASED?

- 12kW 30-panel solar photovoltaic array

