

# Green Buildings Open House Tour 2023

Sat, June 3, 11 am - 3 pm

## SILVER SPONSORS



# Banff YWCA - Net Zero Energy



## BRONZE SPONSORS



## SITE OVERVIEW

Tour Day: June 3rd, 2023

Address: [REDACTED]

Hosts: YWCA

Parking: Central Parking Lot or Banff Recreation Ground are the closest public parking lots available. On-street parking may also be available along Spray Avenue

Key Attractions:

- Shipping container build
- Efficient building envelope design
- Mechanical systems incorporating heat recovery

# Green Buildings Open House Tour 2023

**Banff YWCA, Net Zero Energy**  
**Sat, June 3, 11 am - 4 pm**

## WHY IS THE BANFF YWCA DR PRISCILLA WILSONS' PLACE ON THE TOUR

The Banff YWCA Courtyard Building is a 33-unit multi-unit residential building. The only source of energy for the building is electricity. The amount of electricity generated by the building's solar panels exceeds the annual electricity consumption of the building's systems, thereby achieving net-zero energy consumption. The building uses 33.7% less energy annually than the code minimum energy performance which maintains long term affordability for residents.



## WHAT WILL PEOPLE SEE & LEARN ABOUT AT YOUR PROPERTY?

- NetZero energy performance
- Robust building envelope design
- Efficient electrical design and solar energy system
- WELL Standards
- Shipping container construction
- Efficient design improving livability and long-term affordability



## WHAT ENERGY EFFICIENT FEATURES ARE SHOWCASED?

- 65kW 150-panel solar photovoltaic array
- High levels of insulation - R31.3 in walls and R53.4 in the roof
- Triple pane PVC windows - R5.9 (operable) to R6.7 (fixed)
- LED lighting throughout
- Drain water heat recovery systems
- Low-flow water fixtures
- Central crossflow core heat recovery ventilators
- Variable-refrigerant-flow (VRF) system and heat exchanger providing heating, cooling and hot water