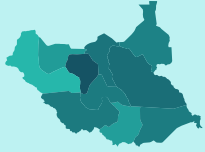




# Community Infrastructure (Aklavik)

## Built Environment



Area  
**14.5 km<sup>2</sup>**

Part of Inuvialut as well as Gwich'in Settlement Region

### # buildings



**215** Occupied dwellings  
(38% privately owned)

115 detached homes ; 45 Semi detached ;  
45 row houses; 1 apartment building

**33% Owner occupied**, rest is rented



**2** Churches  
Grocery stores



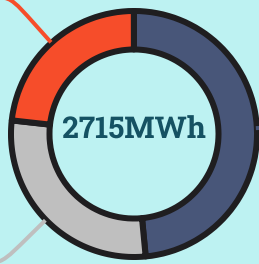
**1** Health Clinic  
Community centre with hockey rink, fitness room  
Education facility



Water treatment plant  
Senior centre

### Electricity consumption (kWh) - 99.2% Diesel

Commercial/Retail: 23%



Residential: 48%

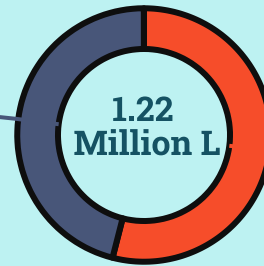
Government/Public: 28%

### Energy use for heating



Firewood  
190 Cords - 100% residential

Residential: 46%



Heating fuel

Non-residential: 54%

## Energy Generation Infrastructure



**1.9 MW**  
Installed capacity  
of diesel plant  
(3 generators)



**81 kW**  
Installed capacity  
of Solar plant

## Access & Transportation



- Only winter road access, connects to Inuvik
- Water aerodrome operational on the river during the summer



- Freddie Carmichael airport



- People mostly rely on cars
- In winter ATVs and Snowmobiles are popular
- ~143 personal vehicles in the community
- Galena (and other Alaskan communities) exempt from vehicle registration



## Community Energy Gateway

CASES

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