

Rural EV Charging Networks

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Communications Lead

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Community Energy
Association

About Us



CEA is the only non-profit in BC focused exclusively on supporting local governments and indigenous communities on **CLIMATE** and **ENERGY** activities. Our expertise is helping communities with:



LEADING COLLABORATION
between local governments



DELIVERING
community projects



DEPLOYING
infrastructure



BUILDING CAPACITY

Our Work



CEA helps communities with:



INITIATION

- Program design
- Grants
- Regional collaborations



MANAGEMENT

- Manage advisory committees
- RFPs/Vendor selection
- Contract negotiation & mgmt
- Deployment management
- Financial admin & reporting



COMMUNICATIONS

- Program branding, marketing & promotion
- Video production
- Digital communications

CEA has expertise in:



TRANSPORTATION



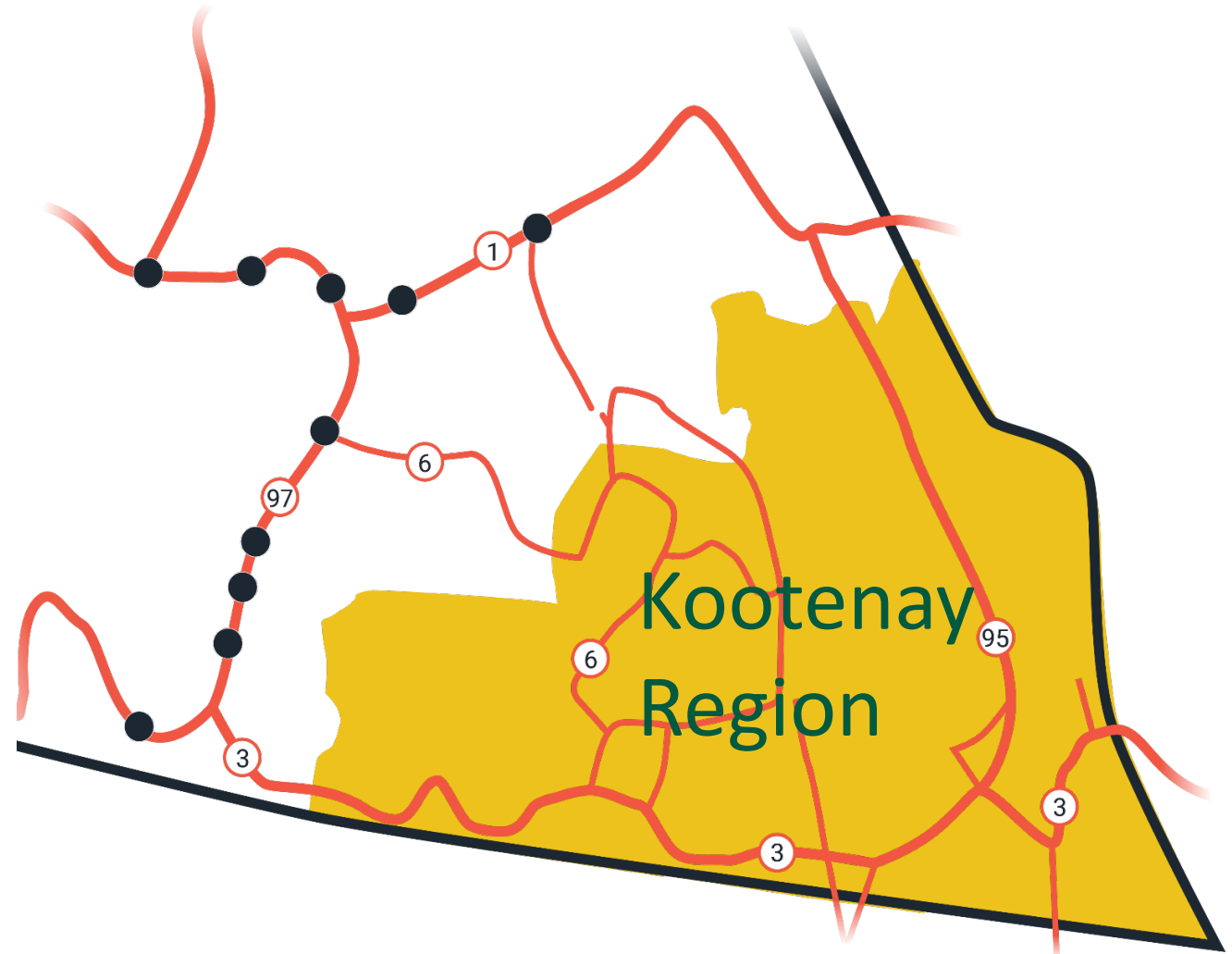
BUILDINGS

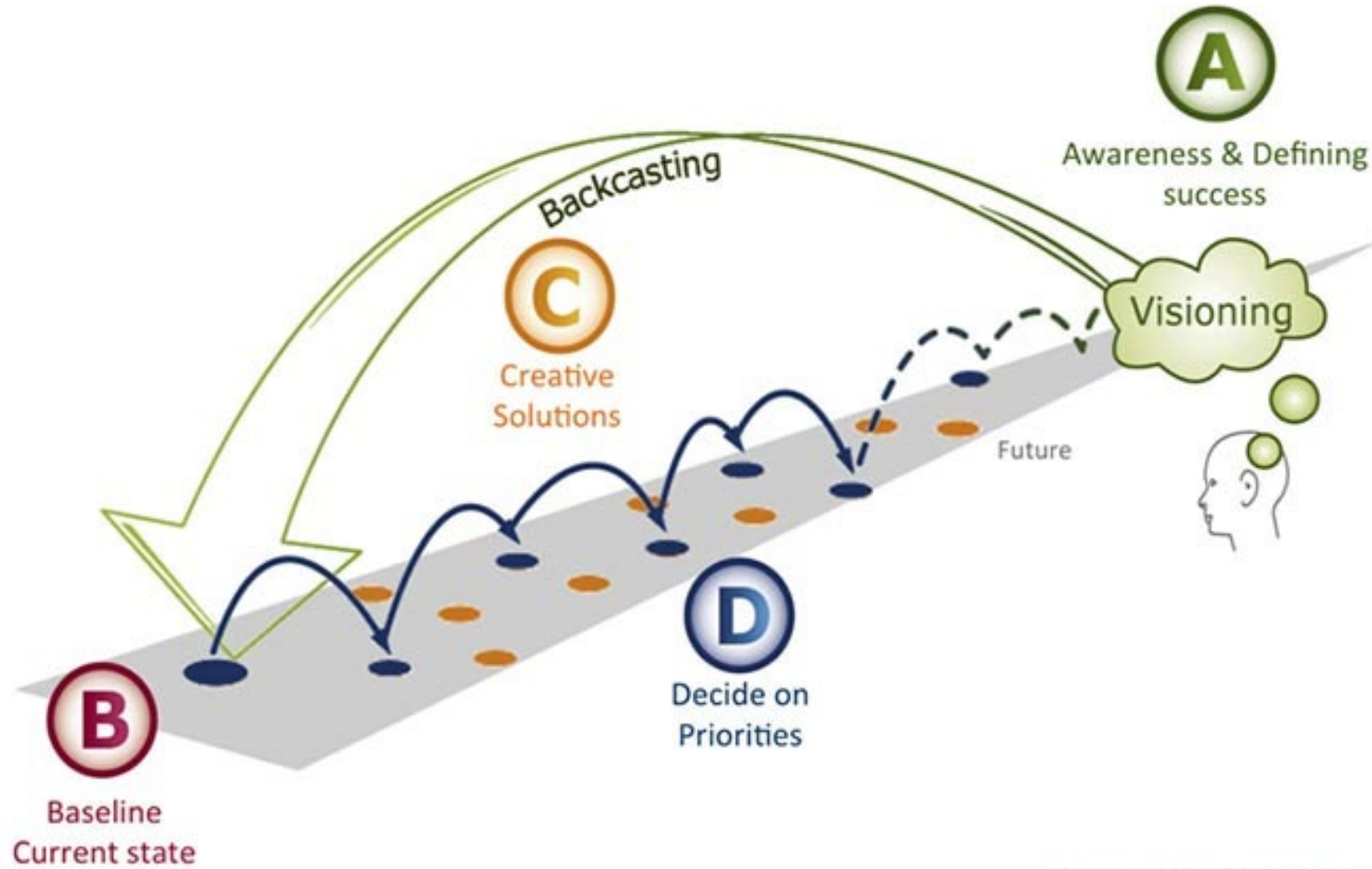


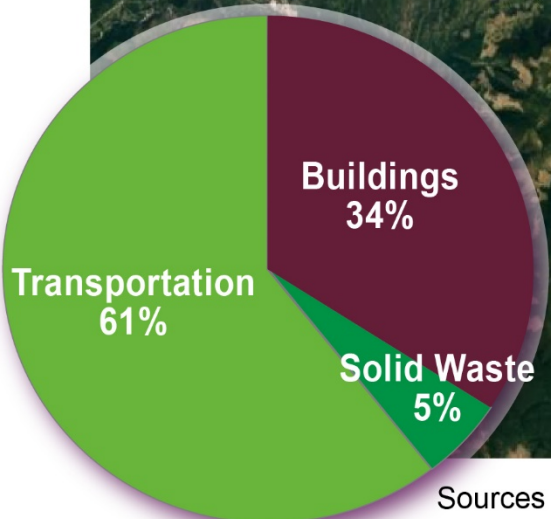
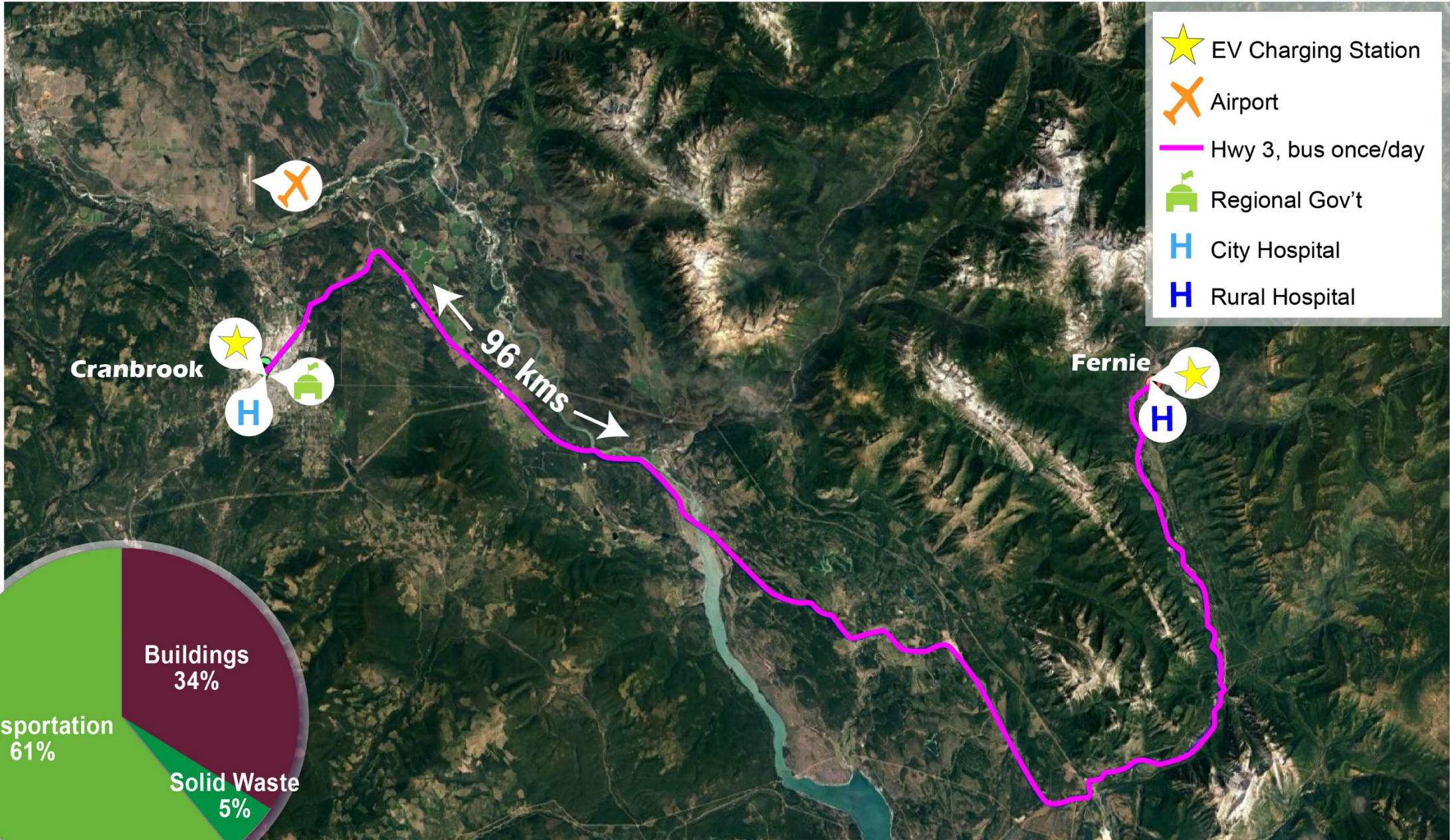
WASTE

EV Charging Networks

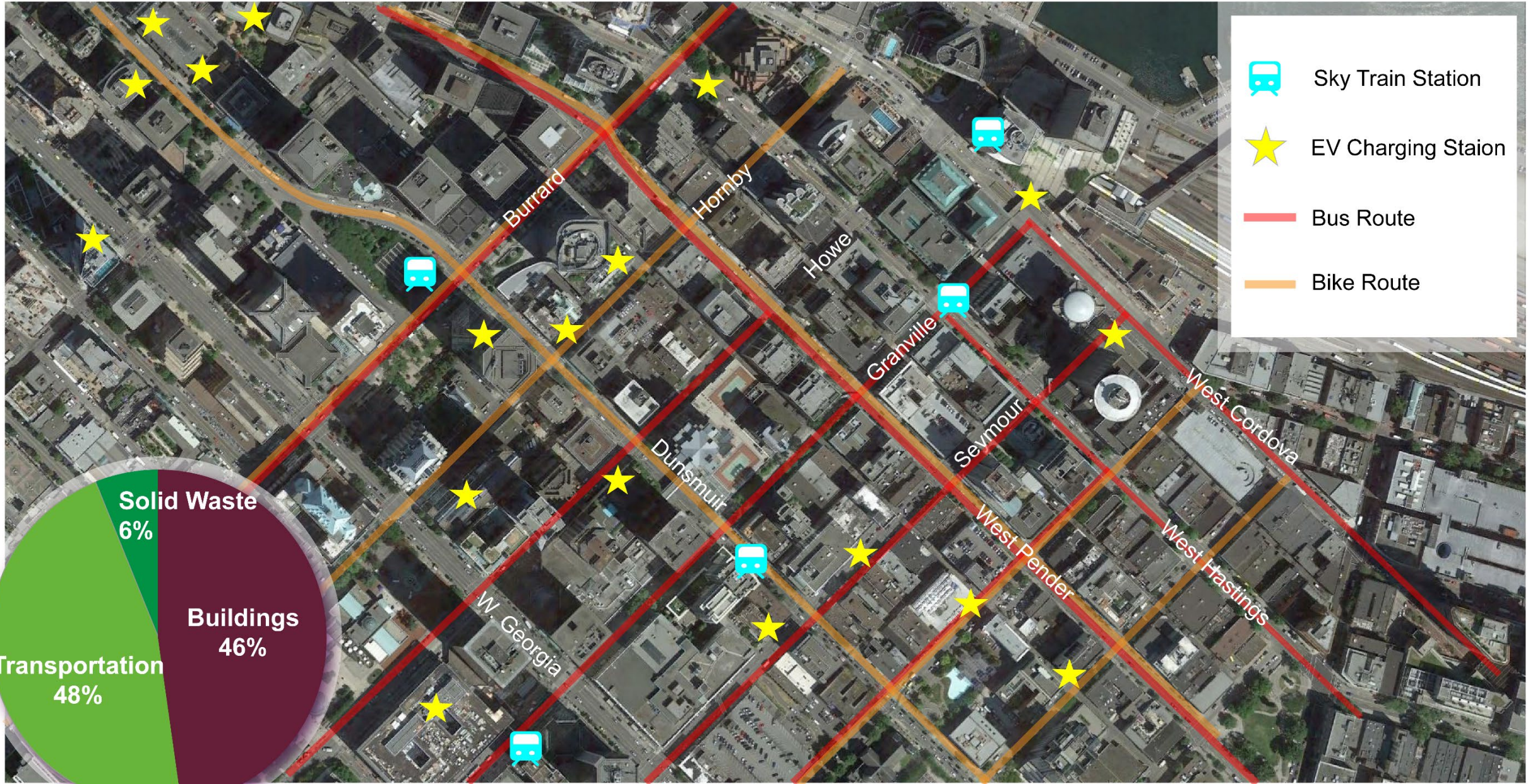
How can rural areas support the transition to electric vehicles and gain environmental and economic benefits from EV travel?







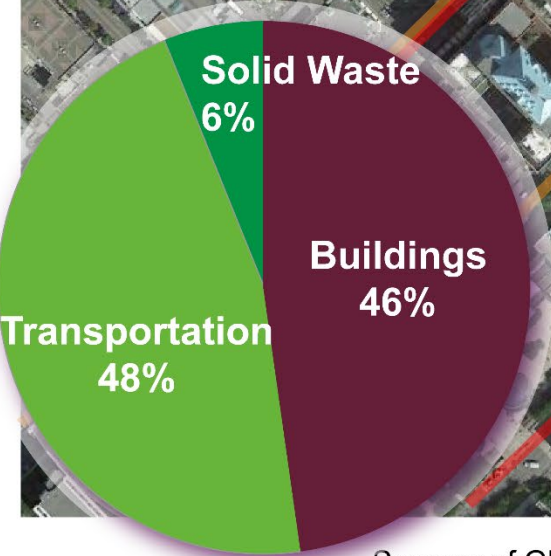




Sources of GHG Emissions in the East Kootenay



-  Sky Train Station
-  EV Charging Station
-  Bus Route
-  Bike Route



Sources of GHG Emissions in City of Vancouver



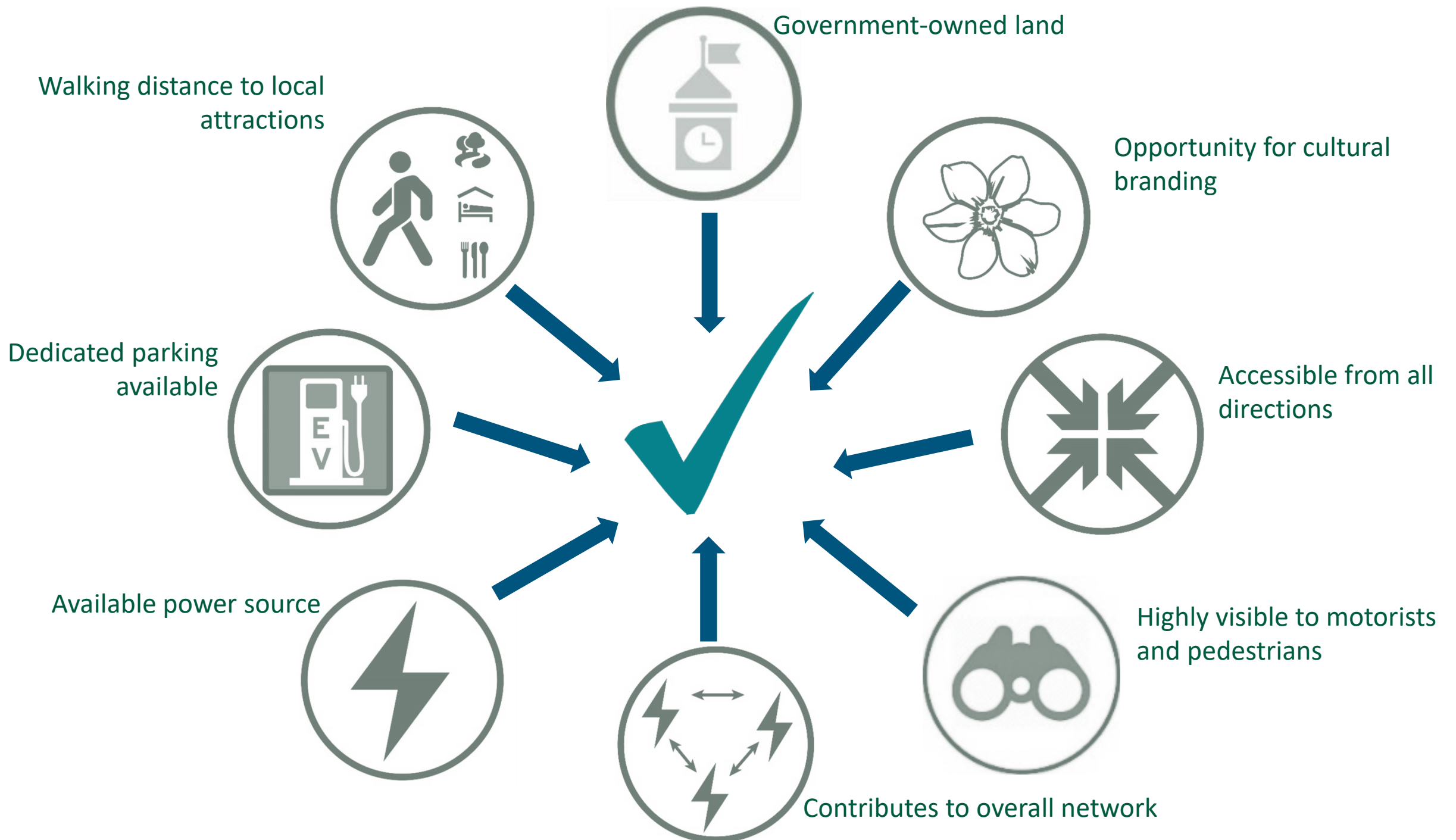
Context is King



Rural
Regional Collaboration
Tourism Objectives
GHG Reduction



Rural
Regional Collaboration
Ec Dev & Tourism Objectives
GHG Reduction
Renewable Energy Focus



Rural Context

Eliminate burden for small communities of owning DCFC equipment, but ensure co-benefits

↳ Owner/operator partnerships

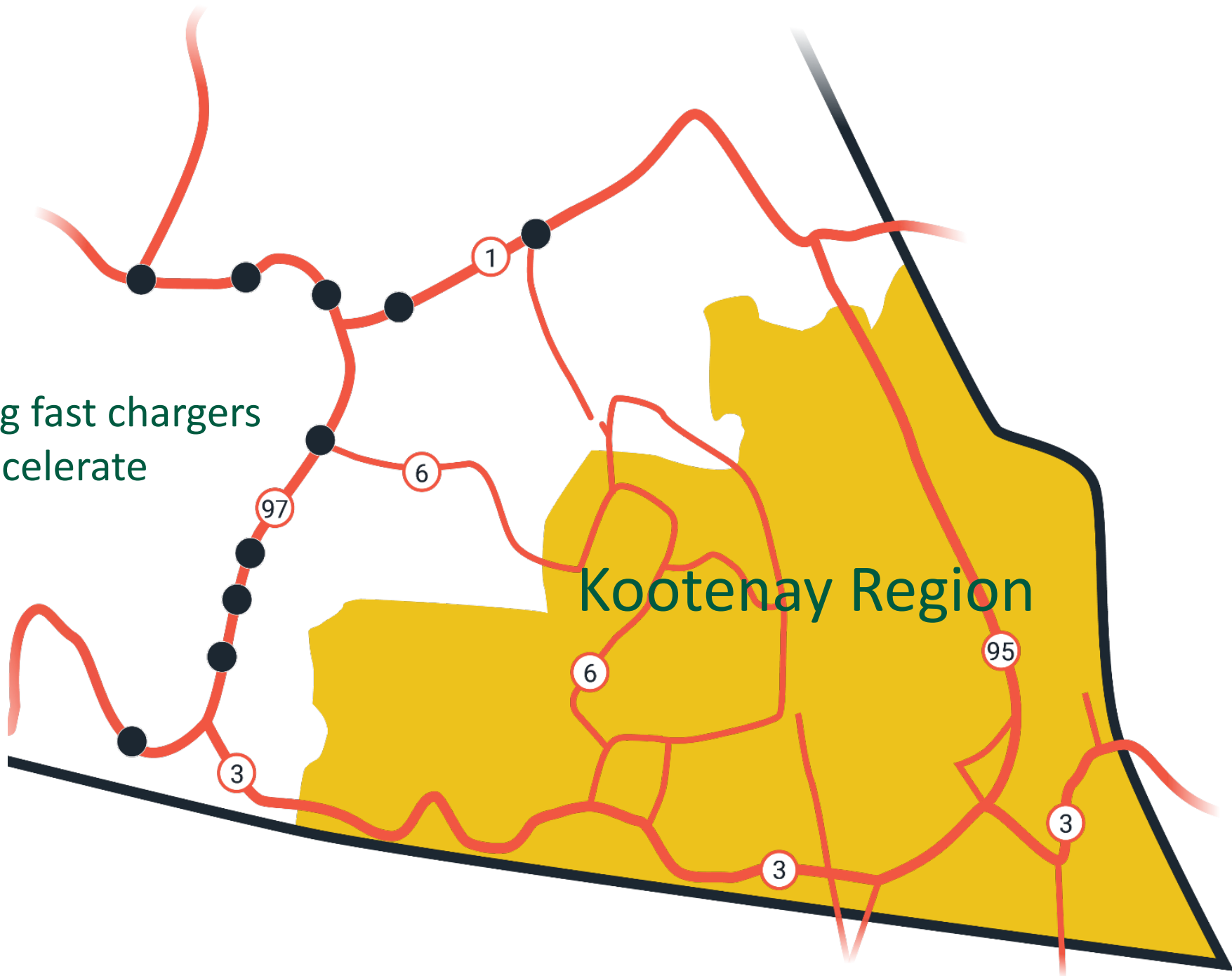


Accelerate Kootenays





Existing fast chargers
pre-Accelerate





Accelerate Kootenays



\$90,000
(3 x \$30,000)

Seed funding from 3
Regional Districts



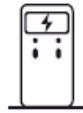
**\$ 1.98
Million**
Total cash
investment



1,870kms
Highway connected
for EV travel.



\$ 11,500
Average cost of a
Level 2 station



\$98,000
Average cost of a DC
fast charge station



7,000+
Number of views of the
#RuralEV Experience
Videos



1,492
Charging sessions
in 2018



52%
Increase in uses from
April 2018 to January
2019 (entire network)



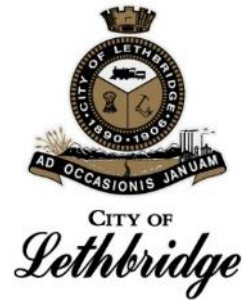
194%
Castlegar

Biggest % increase in
uses from April 2018
to January 2019





Peaks To Prairies



Peaks To Prairies

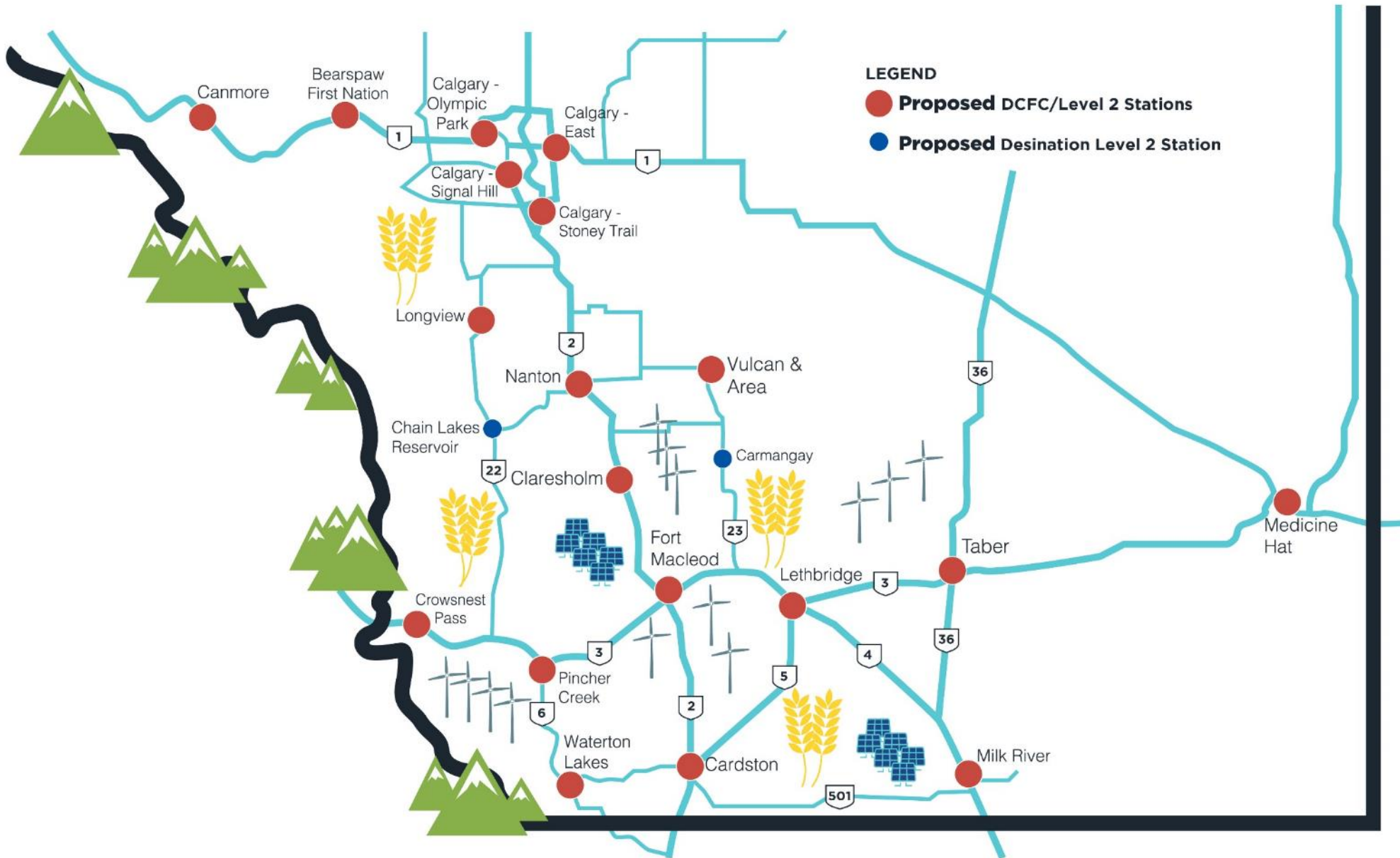


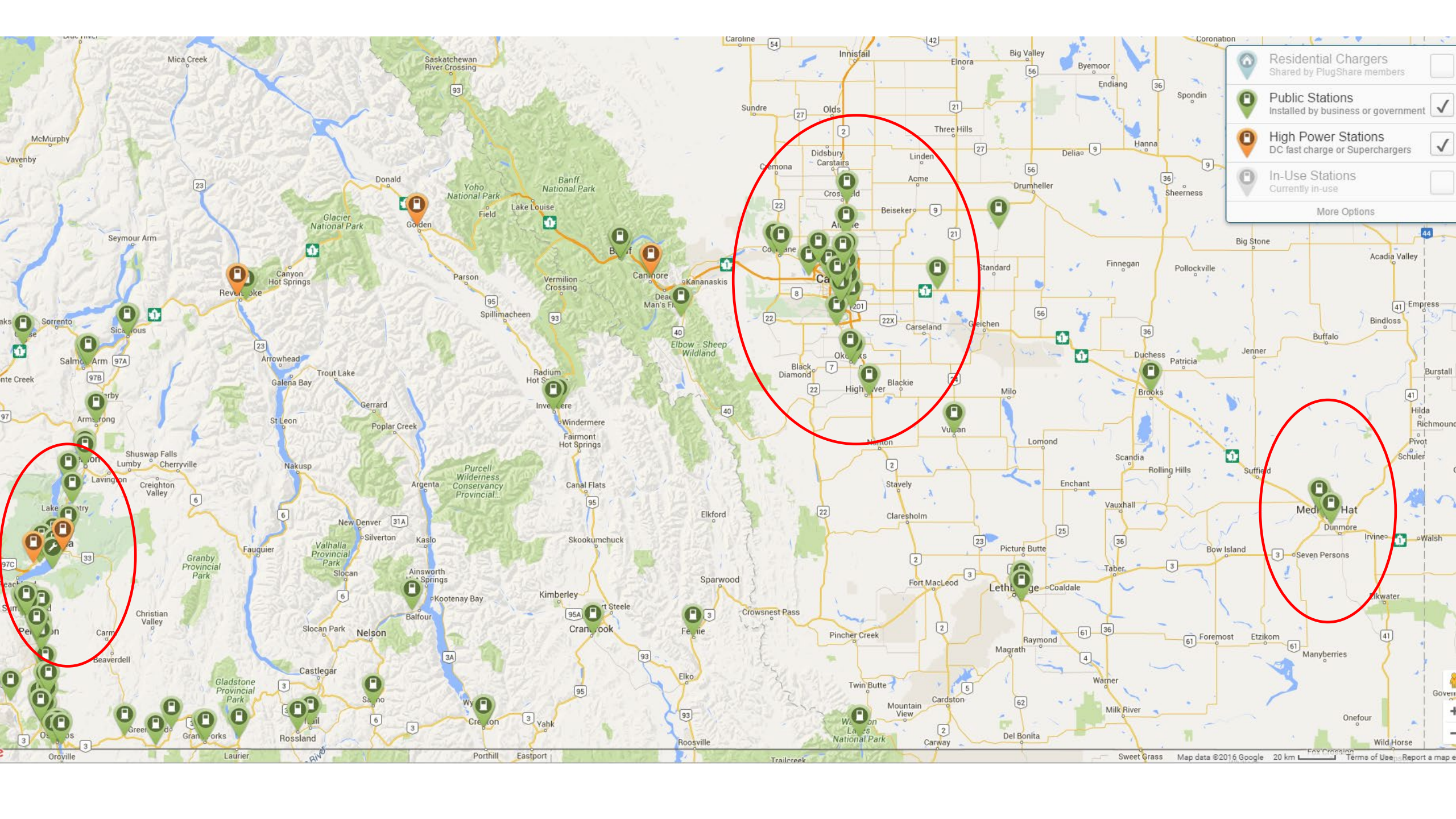
The objectives and goals of the project are to:

- increase electric vehicle adoption
- address GHG emissions related to the transportation sector
- facilitate regional travel by electric vehicle.

In addition, Peaks To Prairies is supporting the renewable energy sector in the region by powering the stations with 100% renewable energy through renewable energy certificates sourced from southern Alberta projects (solar, wind or hydro).







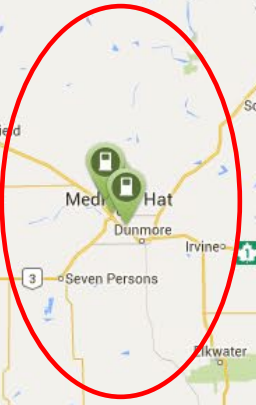
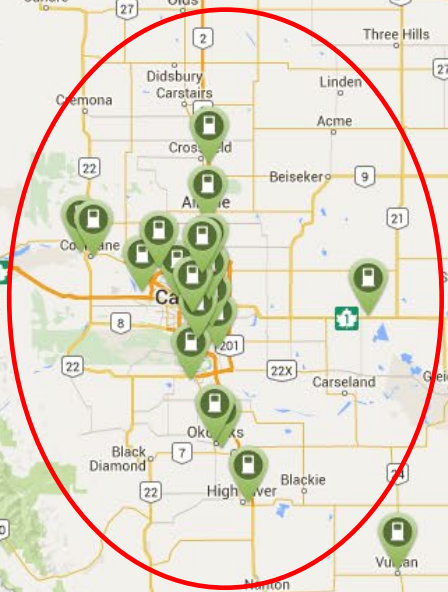
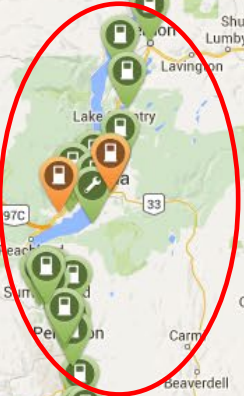
Residential Chargers
Shared by PlugShare members

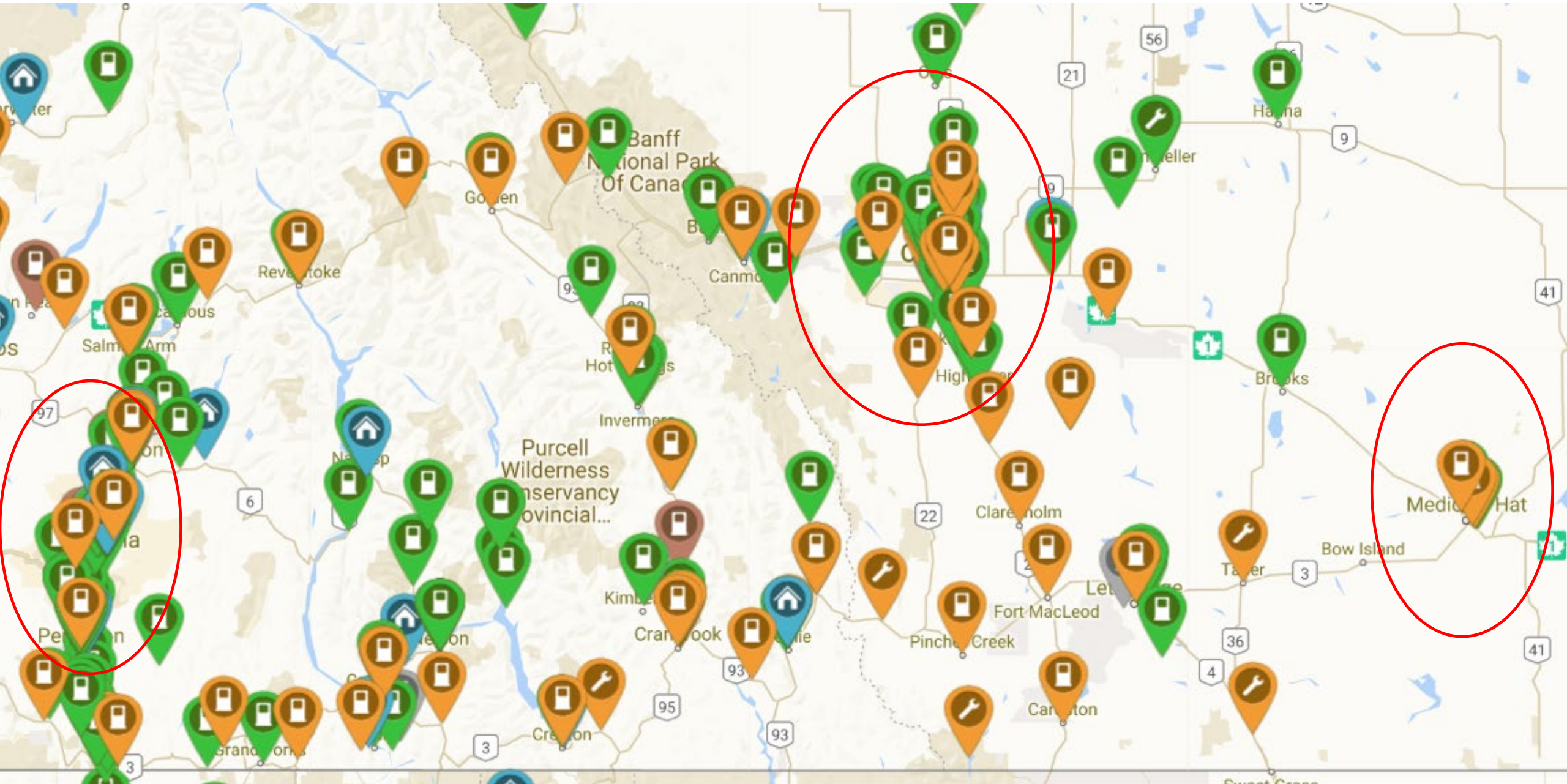
Public Stations
Installed by business or government

High Power Stations
DC fast charge or Superchargers

In-Use Stations
Currently in-use

More Options





Peaks To Prairies



\$2.16 Million

Total cash investment



>1,400kms

Highway connected for EV travel.



27%

Increase in uses from Q4 2019 to Q1 2020



12,025 kWh

Total Energy Consumed



4,999 Litres

Gasoline Avoided



>1,000

Number of people engaged at 16 events throughout S. Ab.



137

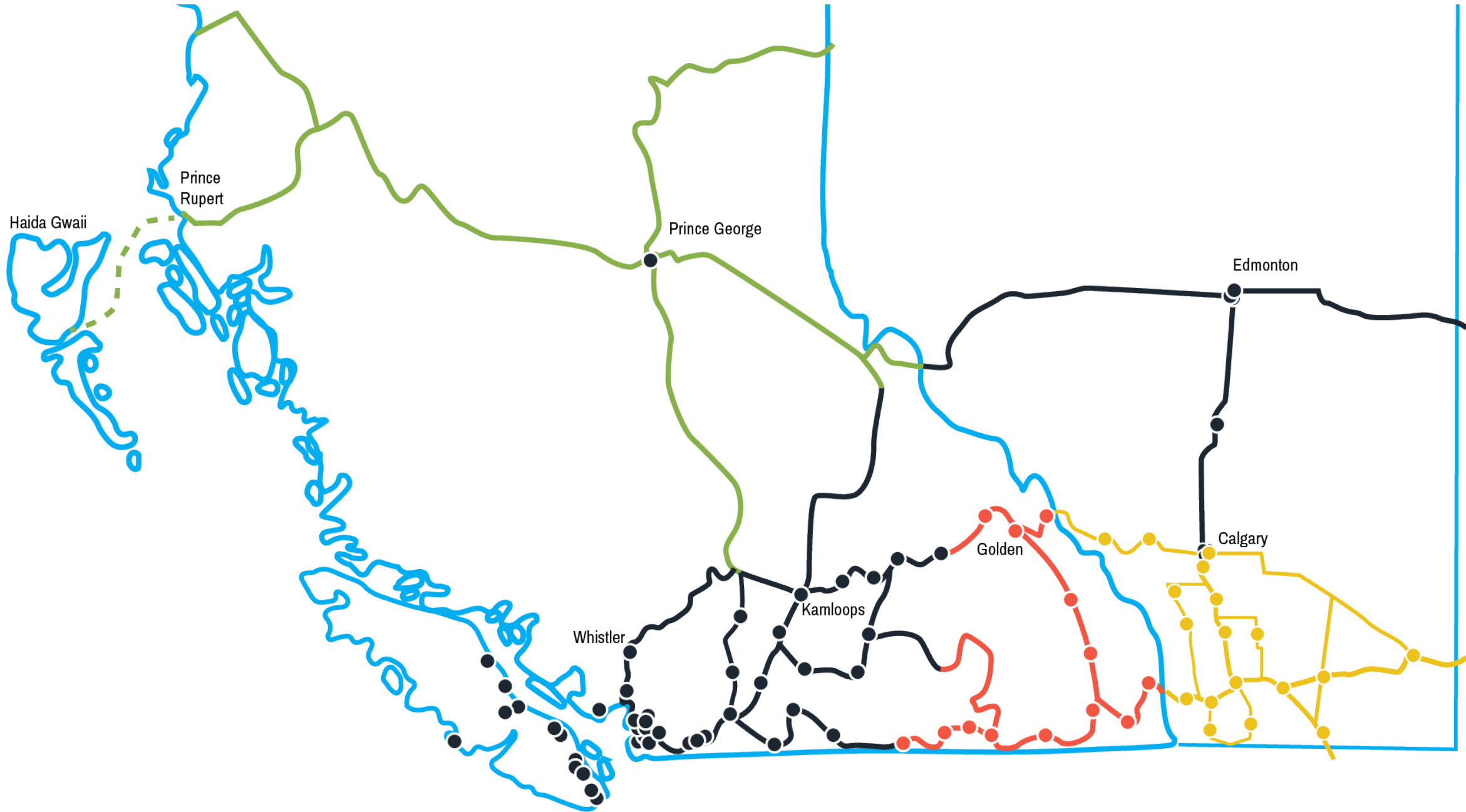
Number of unique users of the Canmore station in the first 3 months of operation



11,500 kg CO²e

GHG Emissions Avoided





Thank you



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