

Local Government Leadership Academy

Local Governments in the Decade of Climate Action

Prepared for EOS 2023,
LGLA
February-March 2023

Lead. Educate. Engage.

The BC Municipal Climate Leadership Council is composed of leading mayors and councillors from across BC representing communities— big and small, north and south, east and west—who are committed to climate action.



Community Energy
Association

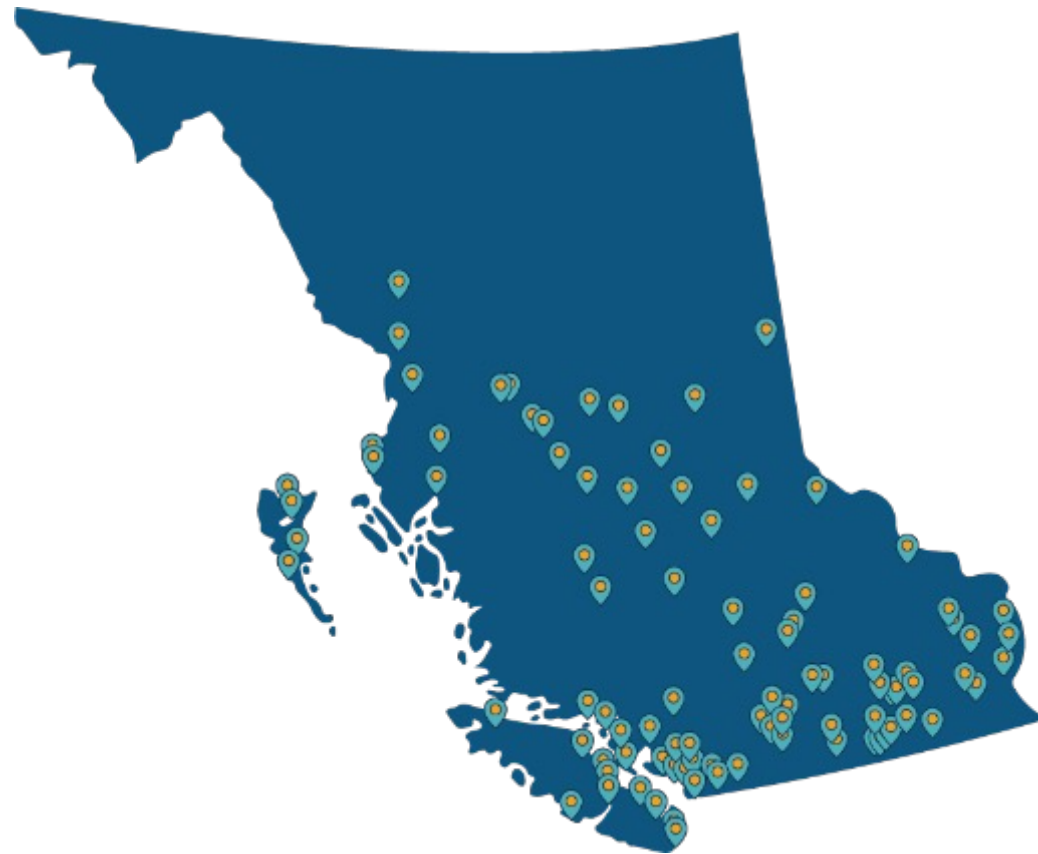
About CEA

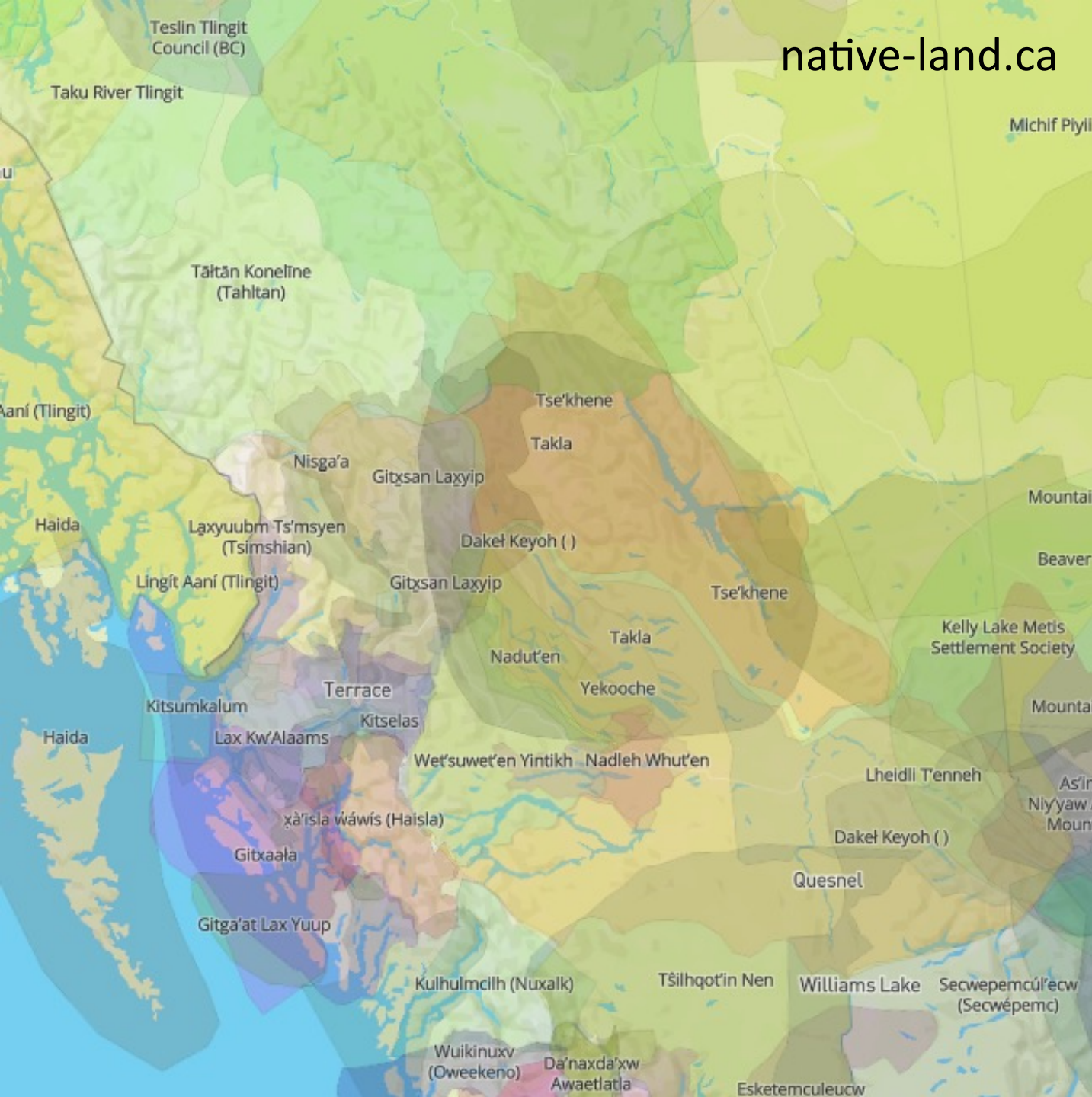


OUR STAFF



WHERE WE'VE WORKED



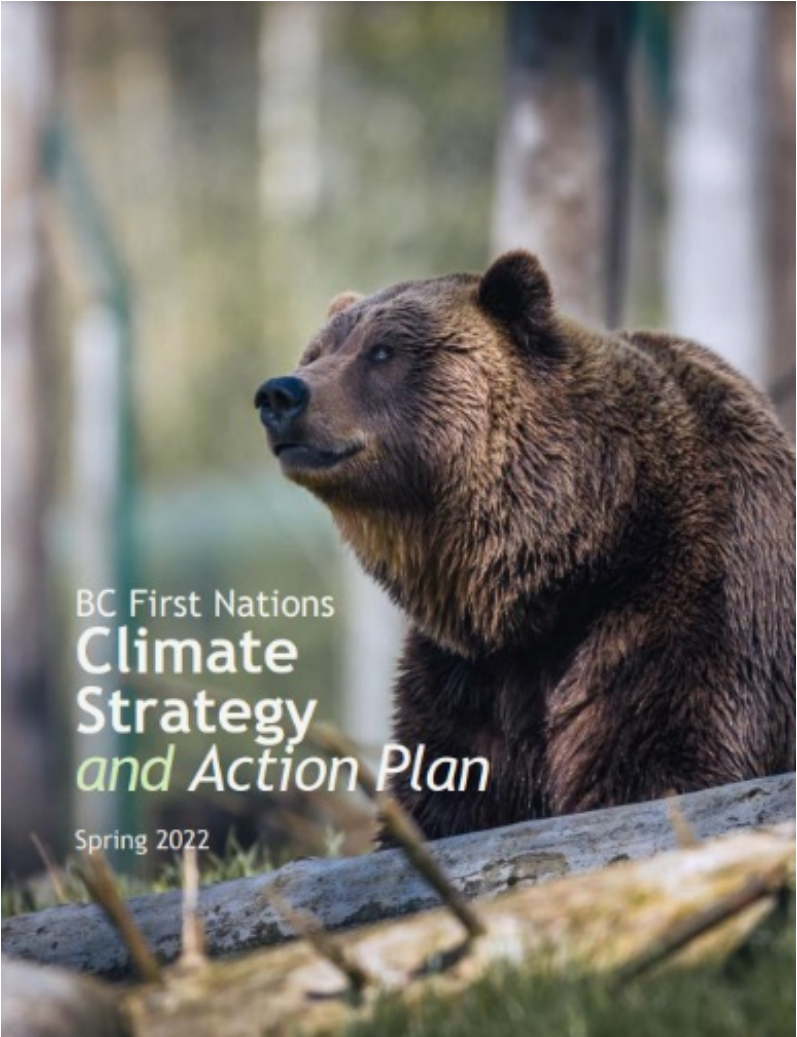


native-land.ca

Commitment to Truth and Reconciliation

As an organization and individuals, CEA supports the Calls to Action released by the Truth and Reconciliation Commission of Canada and recognizes the importance of the self-determination of Indigenous Peoples as articulated in the United Nations Declaration on the Rights of Indigenous Peoples. These principles guide the work we do with communities to reduce greenhouse gas emissions, conserve energy and support community energy resilience.

BC First Nations Climate Strategy and Action Plan



BC Municipal Climate Leadership Council



BCMCLC provides visible, inspiring local leadership on climate action. We support elected officials to step up to effective climate leadership and we engage our provincial government colleagues in a positive, non-partisan dialogue focused on collective action and cooperation.

LEAD

Provide visible, inspiring local leadership on climate change that goes beyond politics as usual.

EDUCATE

Educate newly elected officials on the importance of, and value in, taking climate action.

ENGAGE

Be a positive non-partisan voice for climate action.

BC Climate Leaders



OUR PROGRAMMING



The content foundation of local climate action, including six Big Moves.



For elected leaders who want to learn from experts and peers, there are options for 1-on-1 or small group coaching



An engaging gathering of climate, sector and thought leaders to accelerate the best solutions to address climate change.

www.bcclimateleaders.ca

Defining Climate Action

Climate Action Is...

Reducing the emissions
contributing to
climate change



**This is called
MITIGATION**

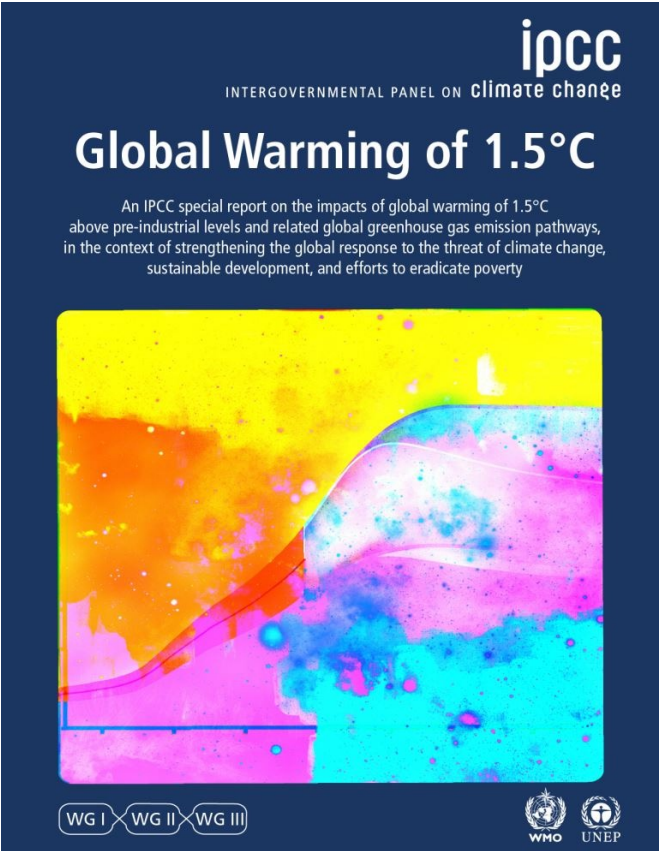
Preparing for impacts and
reducing risks
from a changing
climate.



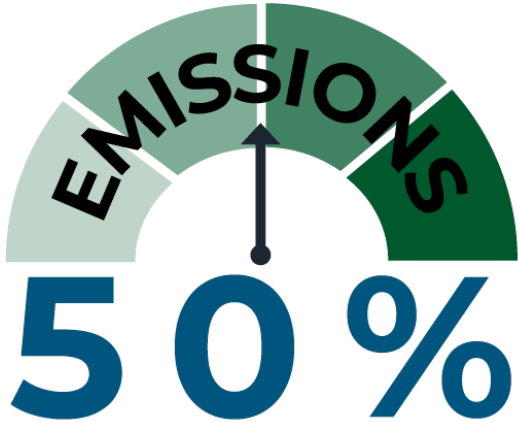
**This is called
ADAPTATION**



Mitigating Climate Change



2030



2050



Categories of Emissions



COMMUNITY emissions

Community emissions come from all our community's buildings, vehicles and waste production - residential and commercial.



CORPORATE emissions

Corporate emissions come from all municipal operations including snow removal, fire services, community centres and administrative buildings.



OPERATIONAL emissions

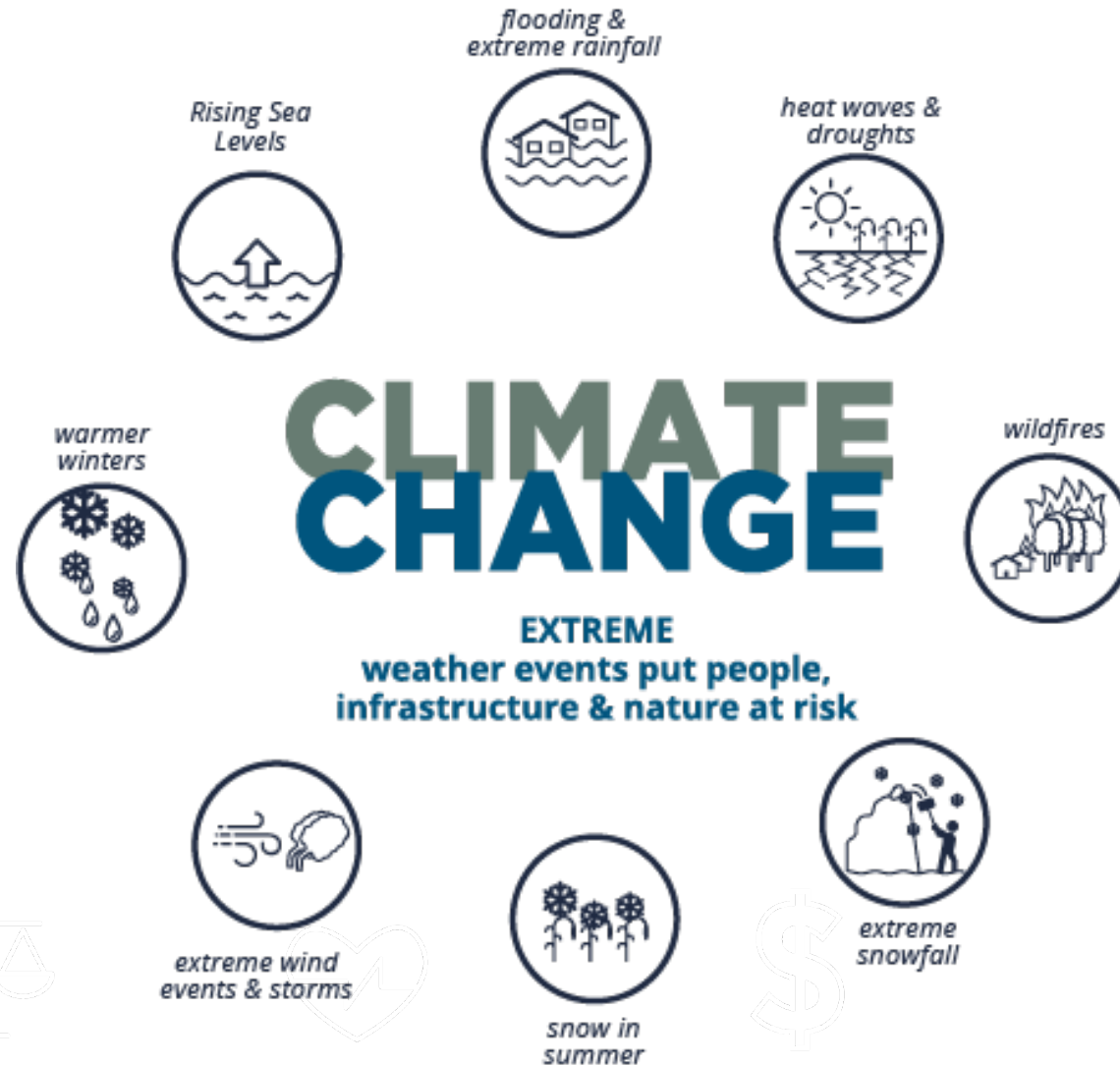
Operational emissions are those associated with operating buildings and fleet vehicles. These are often mostly from natural gas and diesel, but include gasoline, propane, electricity, and other fuels.



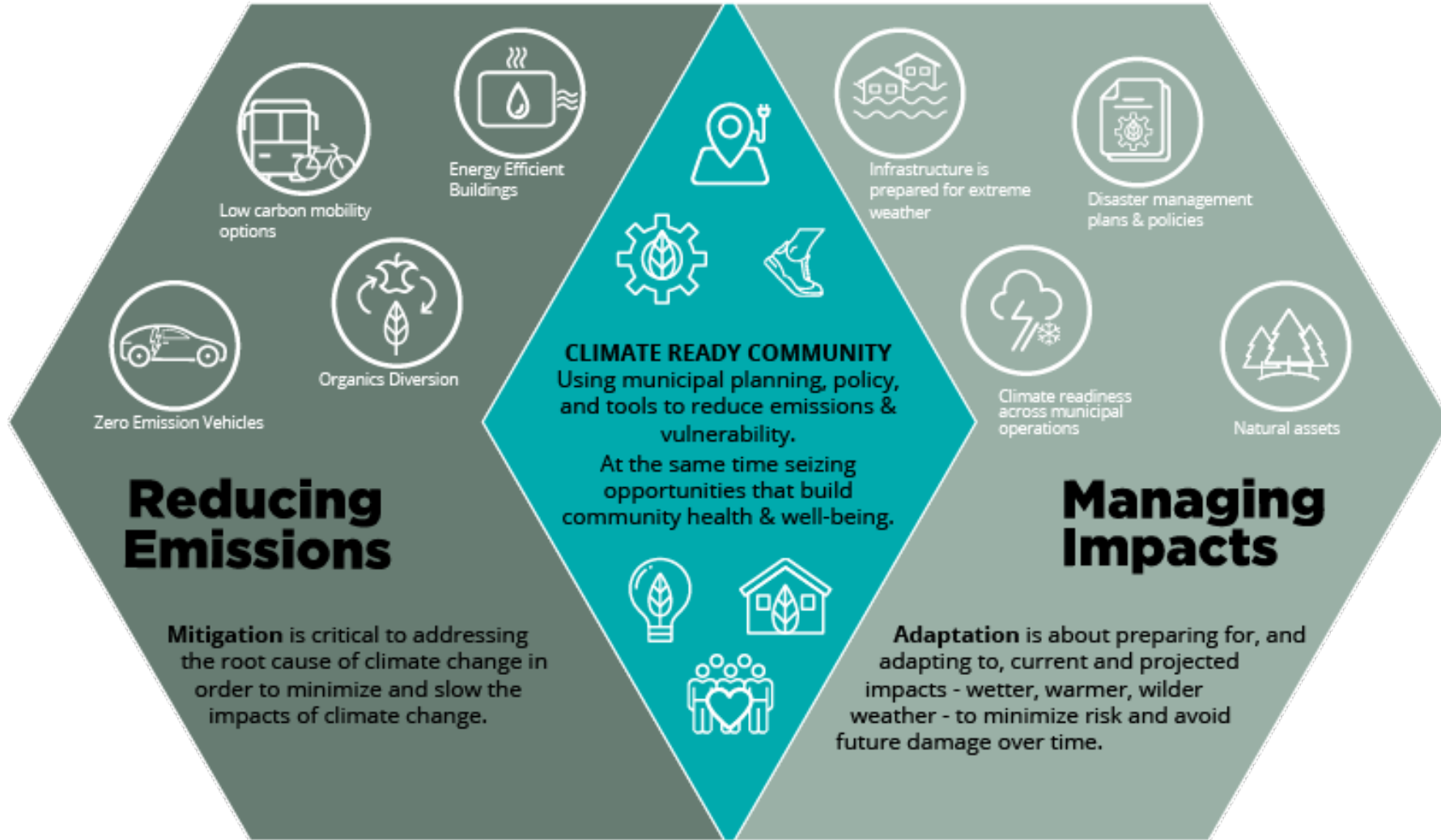
EMBODIED emissions

Embodied emissions come from the manufacture, transport and installation from goods such as building and construction materials. This includes construction waste and disposal.

Adapting to Climate Change



Mitigation + Adaptation



Examples of actions that reduce emissions while preparing for climate change impacts:



Building retrofits: use less energy, reduce emissions, save costs, increase thermal comfort and air quality during extreme heat and wildfire events.




Walking/biking paths: reduces emissions, increases access for vulnerable populations, reduces congestion, reduces pollution, and increases air quality and health.



Green infrastructure: increases rainfall absorption, reduces flood risk, sequesters carbon, recharges aquifers, increases green space.

= Low-Carbon Resiliency






























ICABCCI
Integrated Climate Action
for BC Communities Initiative

LCR Tool

Low Carbon Resilience:
A Briefing for Mayors and Elected Officials
SEPTEMBER 2020

SFU ACT Adaptation to Climate Change Team

real estate foundation
BRITISH COLUMBIA

Economic Co-Benefits		
 Supports green job creation	 Diversifies local economy	 Reduces costs/ increases savings
 Fosters innovation and green, clean industries	 Supports clean energy transition	 Promotes a circular economy
 Reduces risks to property values	 Reduces waste/ optimizes resources	 Avoids community damages and costs over time
Environmental Co-Benefits		
 Enhances biodiversity	 Supports habitat creation	 Improves water retention and absorption
 Enhances pollutant capture	 Improves air quality	 Reduces extreme temperatures
 Improves water quality	 Increases carbon sequestration/storage	 Promotes regional connectivity
Social Co-Benefits		
 Enhances human health and well-being	 Supports local food security	 Limits tax increases
 Improves climate awareness and access to data and information	 Improves community livability and vitality	 Enhances local autonomy
 Advances equity and social inclusion	 Reduces congestion	 Improves public safety, disaster preparedness and response

The Role of Local Government

Local Government Influence



Local Government Relative Influence over GHG Emissions

High



Low

Municipal infrastructure,
buildings and fleet.

Transportation network
Land use patterns
Solid waste
Building efficiency standards

Transportation mode share
Residential and business
energy efficiency
Food security

Air travel
Industrial energy efficiency
Vehicle standards
Energy utilities

CleanBC Roadmap to 2030

 Agriculture, Aquaculture and Fisheries

 Forest Bioeconomy


 Transportation

 Buildings

 Negative Emissions Technologies

 Low Carbon Energy

 Communities

 Industry, including Oil & Gas

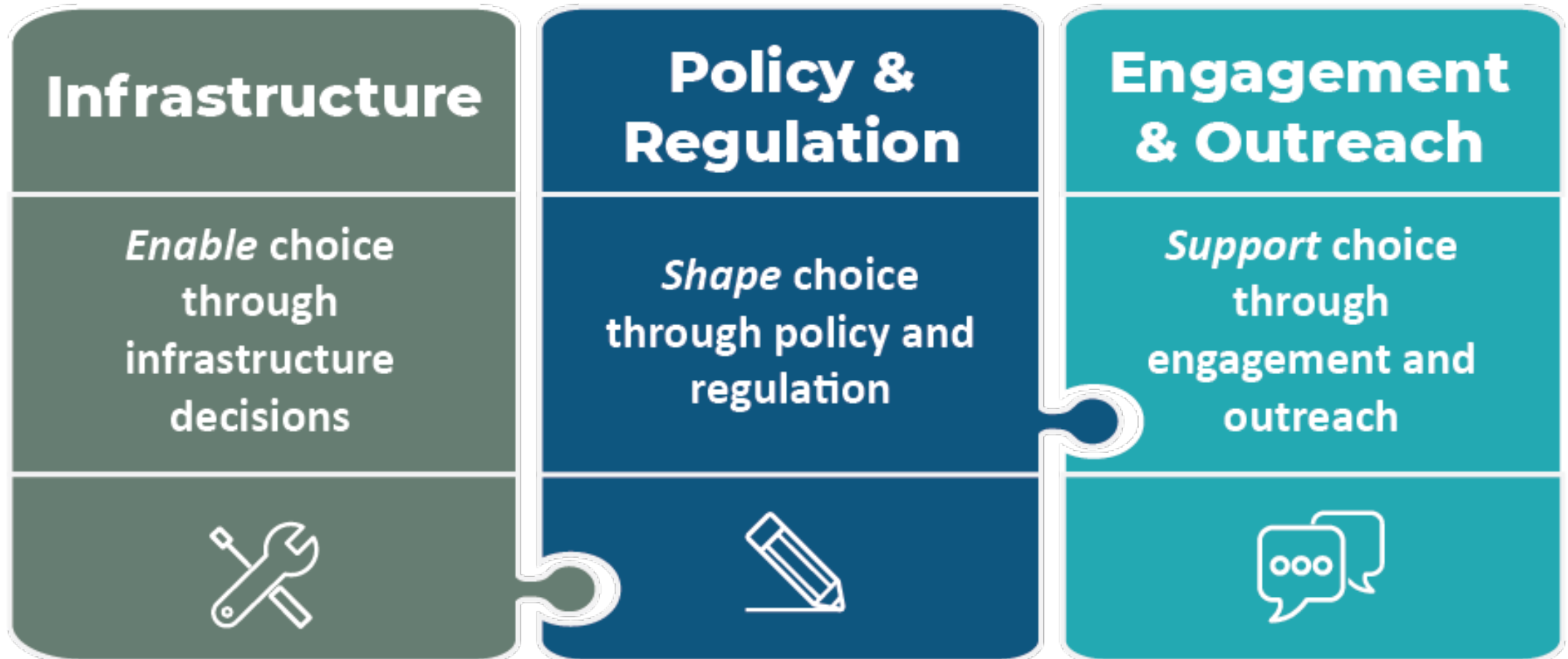


cleanBC
our nature. our power. our future.

Roadmap to 2030



What's In Your Toolbox




Sources of Emissions

2019 Per-Capita Emissions



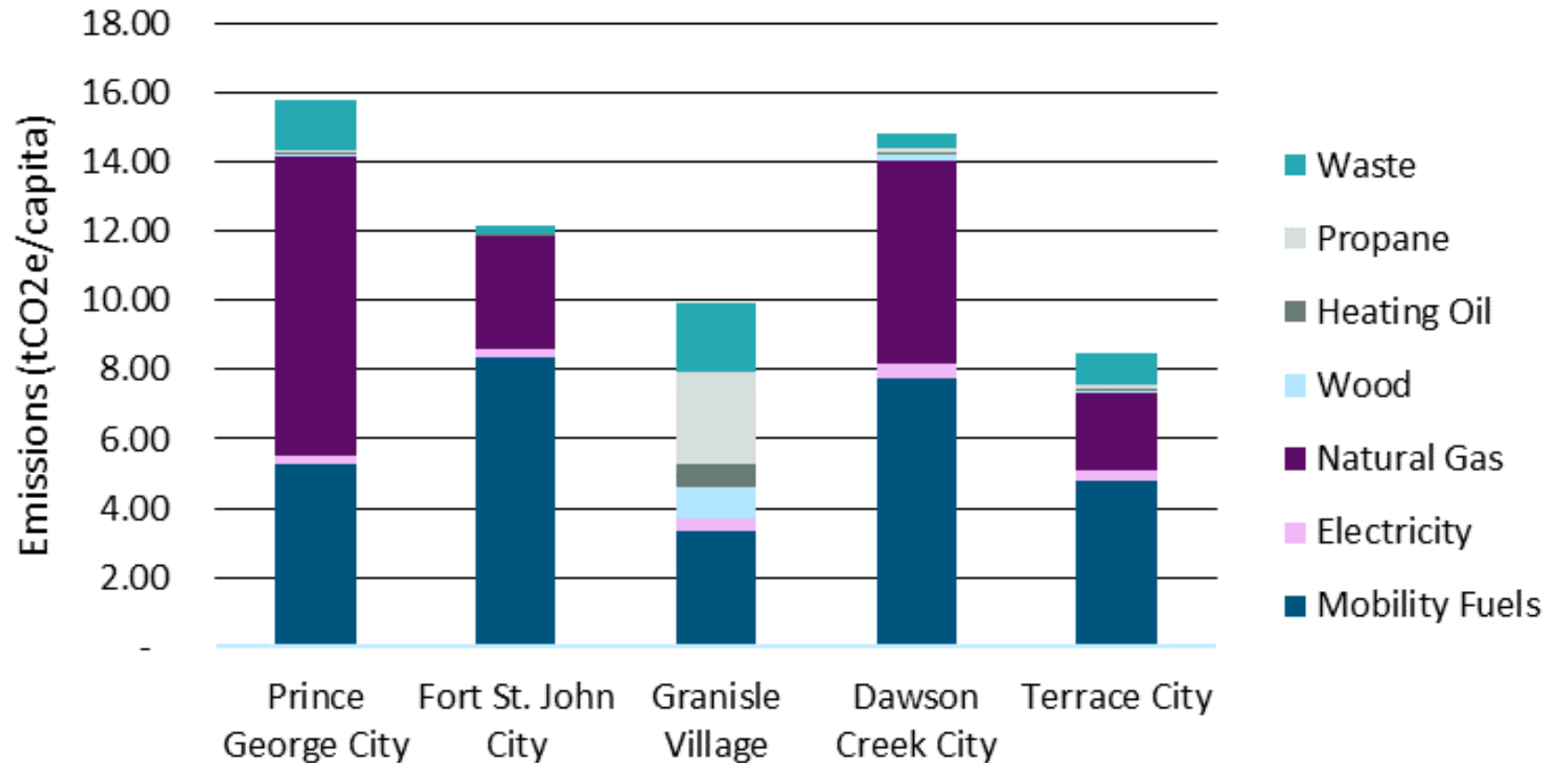
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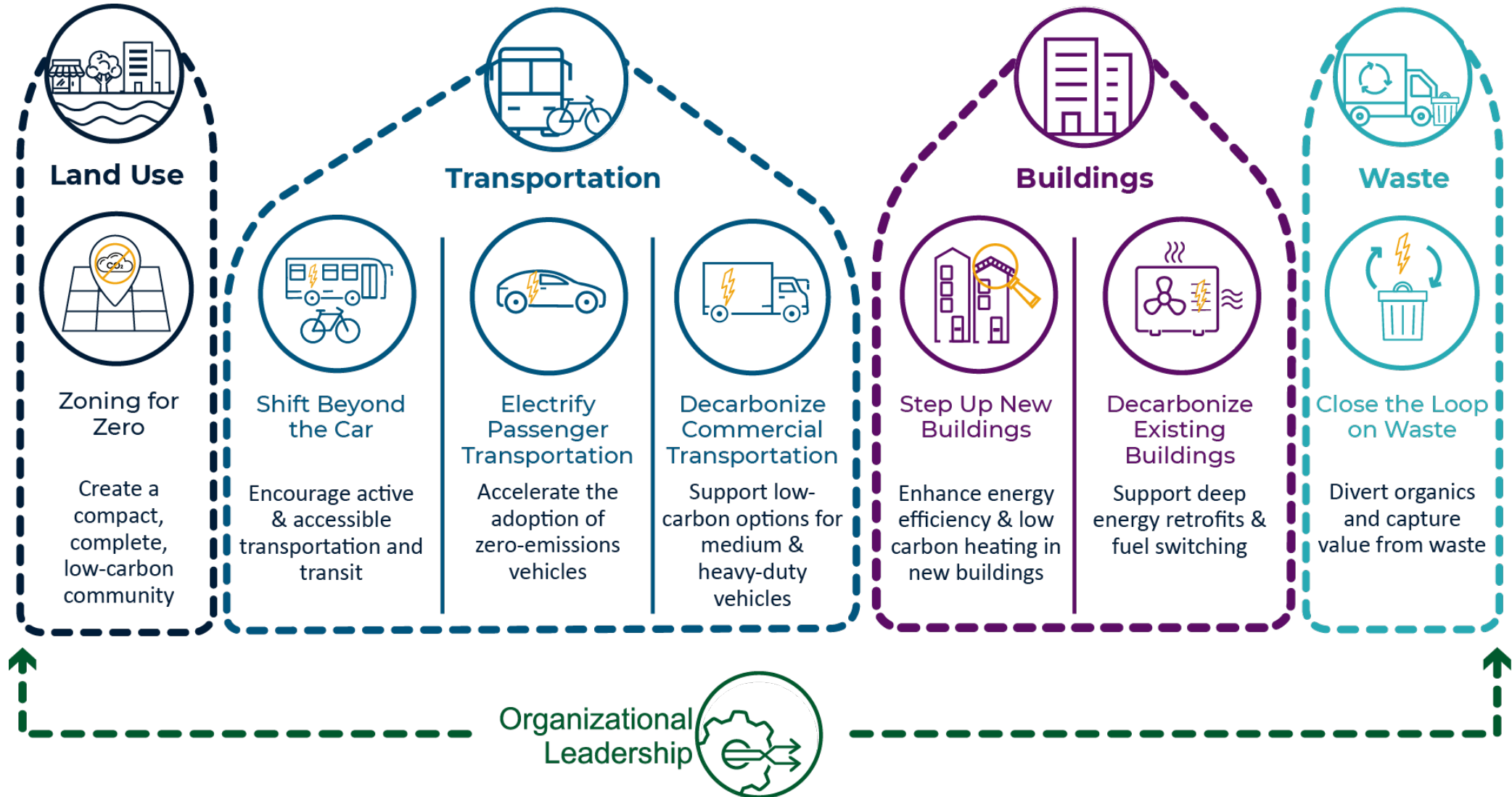


OPERATIONAL emissions

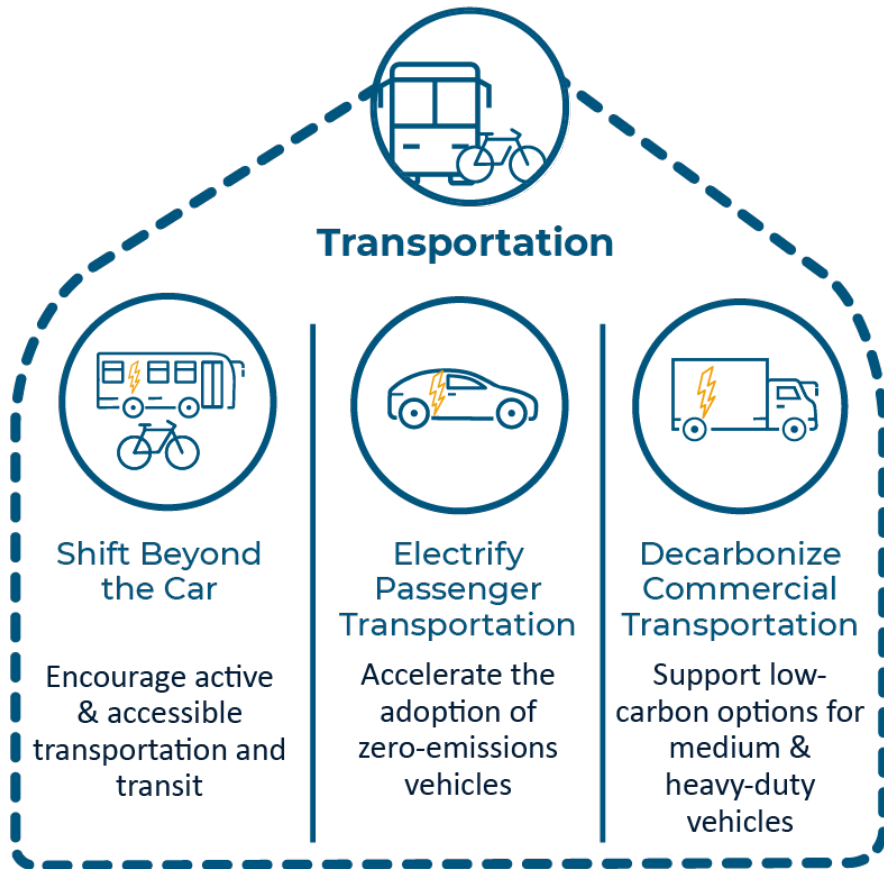
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The Big Moves

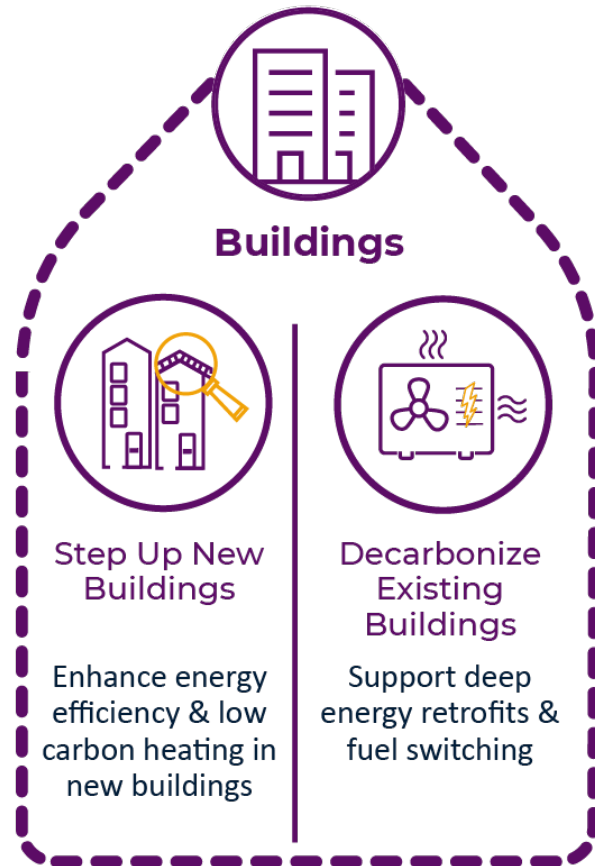


The Big Moves



- Integrating transportation and land use planning
- Regional collaboration on EV charging
- EV-ready building regulations

The Big Moves



- Step Code upper step adoption
- Low Carbon Energy System pathways
- Carbon Pollution Standard

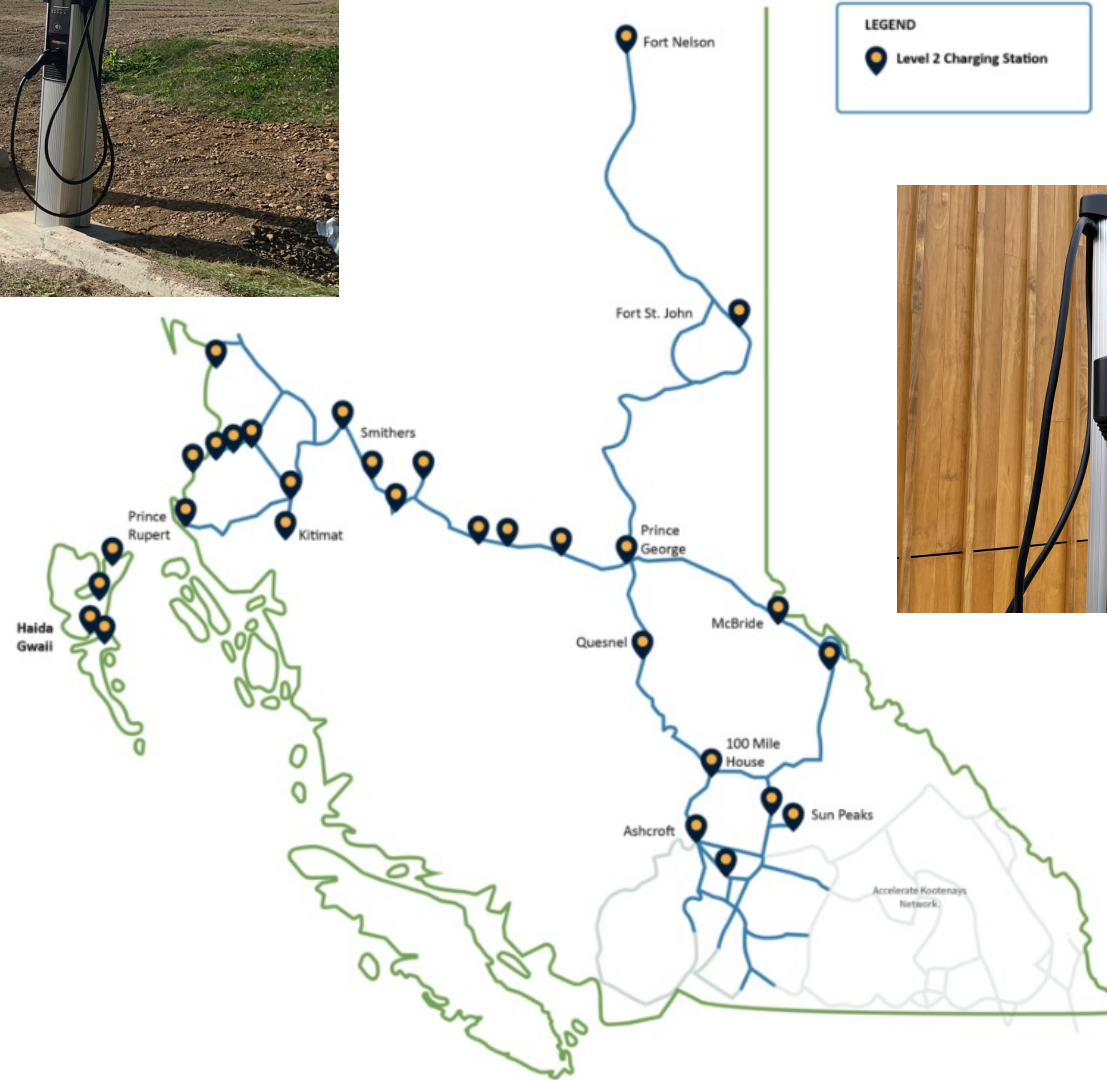
- Retrofit programs
- Existing building regulations

Big Moves in the Region



Electrify Passenger Transportation

Accelerate the adoption of zero-emissions vehicles





Electrify Passenger Transportation

Accelerate the
adoption of
zero-emissions
vehicles



Shift Beyond the Car

Encourage active
& accessible
transportation and
transit



The Charge North Electric Vehicle Discovery Tour

visiting Central & Northern BC August 2022



a vision of
E-MOBILITY
for Central/
Northern BC

DETAILING THE
STRENGTHS & REALITIES

VISION & DRIVING FORWARD
OPPORTUNITIES → PRIORITIES → ACTION



FACILITATED BY: **Community Energy Association**
 FUNDED BY: **BC Hydro Power smart**

A Vision of E-Mobility for Central/Northern BC
 LIVE GRAPHIC RECORDING | **Drawing Change**
 Melissa Kendzierski

E-Mobility Visioning Priorities

EV route: between Kamloops & Prince George



Bike loop connecting Sun Peaks, Kamloops, Logan Lake and other rec sites/campsites



E-mobility hub at campgrounds





Step Up New Buildings

Enhance energy efficiency & low carbon heating in new buildings



Northern BC's certified Step 5 builders.
Missing: Icon Homes, Quesnel





Step Up New Buildings

Enhance energy efficiency & low carbon heating in new buildings



Sugar Cane Net Zero duplex – A first for Canada!



Overcoming Barriers & Getting to Implementation

Common Issues



- **Funding gaps and limited financial levers**
 - Local Government Climate Action Program (LGCAP) and new financial levers being tested
- **Capacity & knowledge gaps internally**
 - Peer Networks, regional clusters, and sharing between local governments
- **Too much to do and too little time**
 - Regional collaboration and external partnerships
- **Competing priorities**
 - Integrated climate action that addresses other priorities and maximizing co-benefits

Case for Collaboration



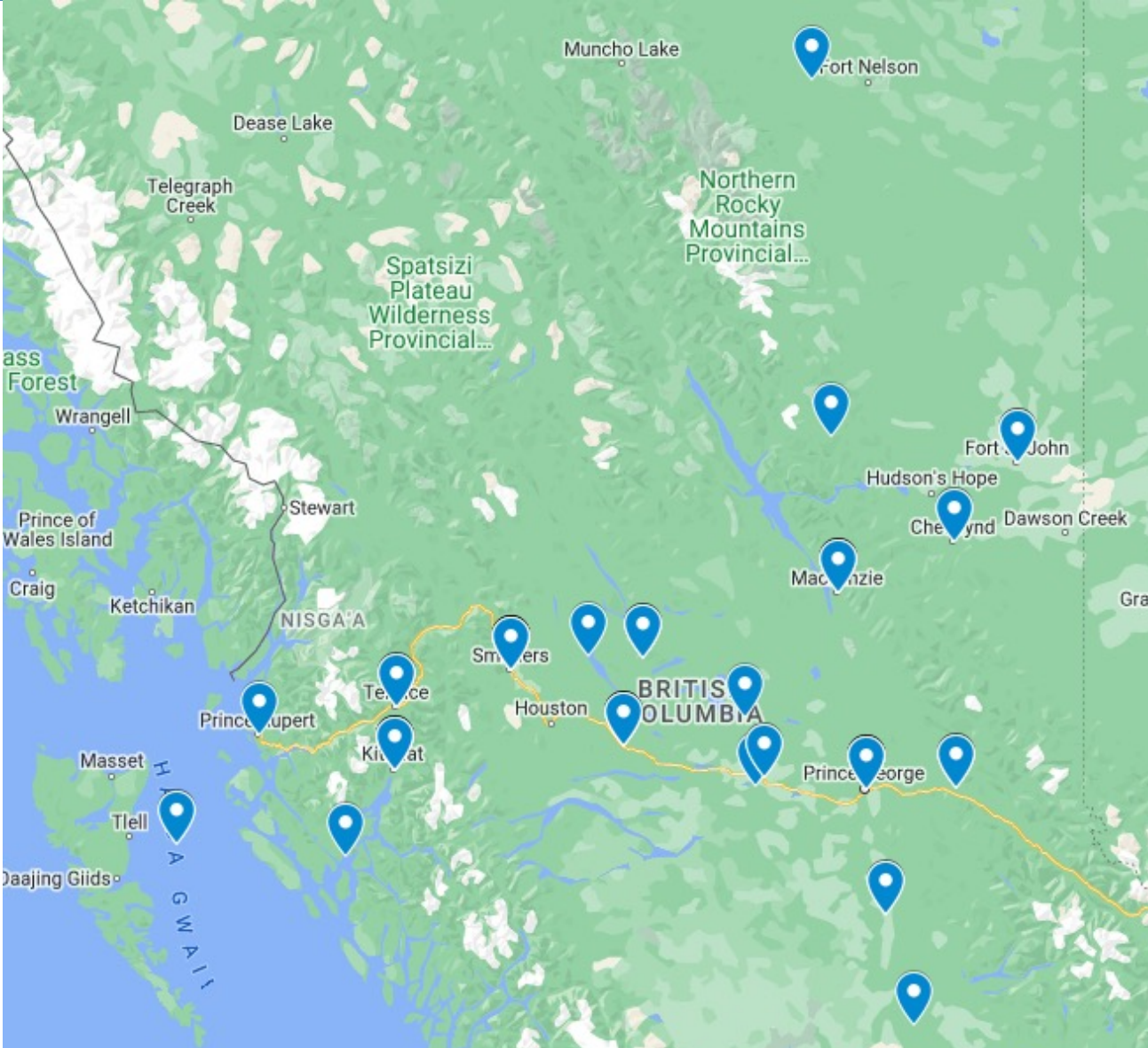
Benefits

- Replicate outcomes not efforts
- Allows for quicker scaling up of policies and programs
- Improves consistency for residents and industry
- Allows for leadership *and* implementation at different paces
- More opportunities for sharing and leveraging funding sources
- FEELS GOOD

Examples

- Sharing best practices and resources:
 - Feasibility studies and business cases
 - Model bylaws for policy implementation
 - Policy alignment
- Initiatives that don't end at your borders:
 - EV charging networks and active transportation networks
 - Climate adaptation and resilience
 - Industry and resident engagement

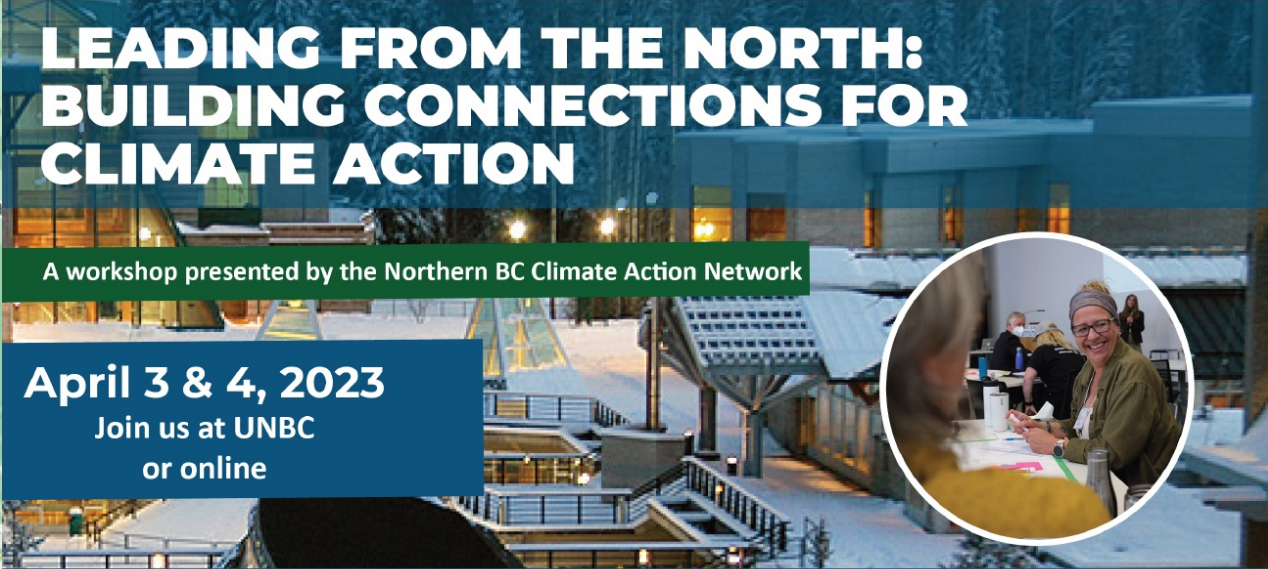
Collaboration in the Region



NorthCAN

Northern BC Climate Action Network

Join the network!



LEADING FROM THE NORTH: BUILDING CONNECTIONS FOR CLIMATE ACTION

A workshop presented by the Northern BC Climate Action Network

April 3 & 4, 2023
Join us at UNBC
or online



Getting to Implementation: Best Practices



SUPPORT

Management / Governance

CAPACITY

Staff and Financial Resources

EXTERNAL RELATIONS

Partnerships and Stakeholder Management / Engagement



INSTITUTIONALIZATION

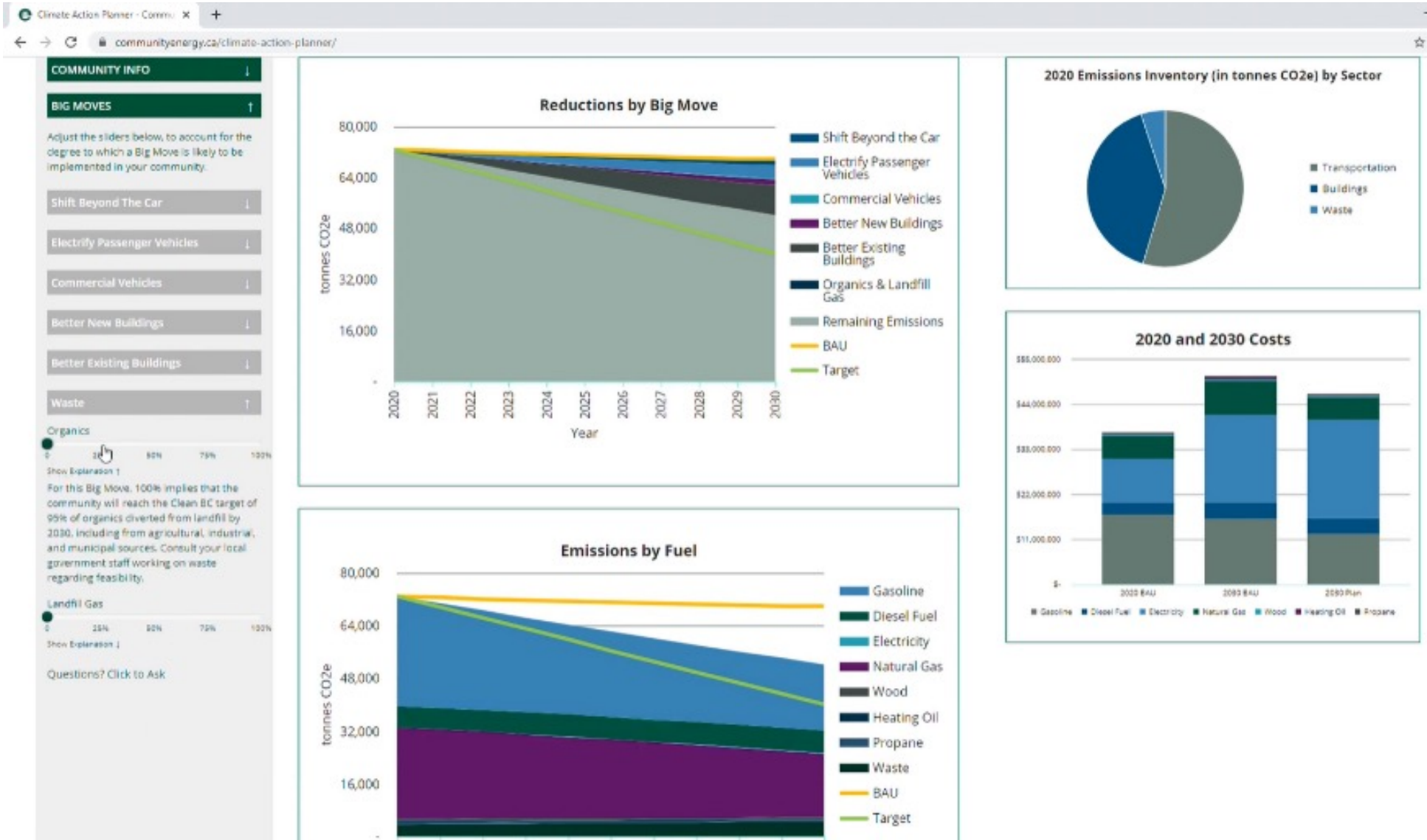
Integration, Monitoring and Reporting

LEADERSHIP

Leading by Example

Resources

Climate Action Planner Tool



BC Climate Leaders



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BC Municipal Climate Leadership Council



Get in Touch!



Maya Chorobik

Director of Climate Leadership

mchorobik@communityenergy.bc.ca

Vancouver



Rob van Adrichem

Director of External Relations

rvanadrichem@communityenergy.bc.ca

Prince George