

Village of Pemberton Community Climate Action Plan

Committee of the Whole
April 13, 2021



Community Energy
Association

Today's Presentation

Purpose

- The purpose of this presentation is to provide Council with an overview of the Community Climate Action Plan process and engagement results, answer questions, and discuss next steps for finalizing and implementing the plan

Agenda

- What is a Community Climate Action Plan?
- A vision of the future
- Where are we today?
- Setting an emissions reduction goal
- The Big Moves
- Implementation for success

What is a

Community Climate Action Plan?

Climate Change **mitigation** v Climate change **adaptation**



Territorial emissions v **Consumptive** emissions



Community emissions v **Corporate** emissions



CCAP Process



Modelling & Analysis

- Review and analyze community energy use and emissions in relation to baseline year
- Model “business as usual” projections



Engagement

- Conduct a staff meeting to review existing and possible future actions, and discuss GHG emission reduction targets
- Facilitate a stakeholder workshop to gather feedback on potential climate actions and how stakeholders may collaborate on climate initiatives
- Host a public open house and survey to receive input from community members on priority action items



Recommend Actions and Draft Plan

- Draft potential actions and recommend targets based on engagement, modelling and analysis
- Model the possible impact of new proposed actions and targets on energy use and emissions
- Create an implementation strategy



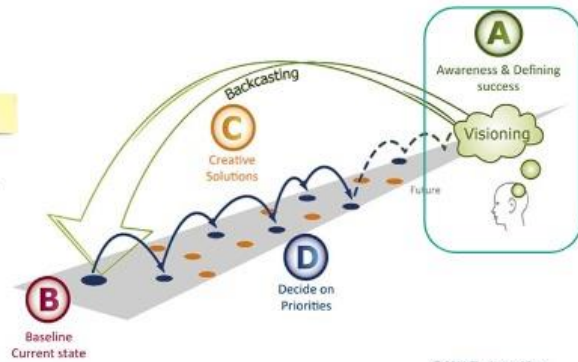
Deliver Final Plan

- Present CCAP process overview to Council at Committee of the Whole
- Refine draft plan following feedback from staff
- Final presentation to Council

A vision of Pemberton in 2040

Breakout 4 - Transportation - Shift Beyond the Car & Electrify

The Vision



EXERCISE

Identify & Refine the 2040 Vision

Write the elements that make up your vision for this sector (A1).

Afterward we will arrange them in common themes or patterns and refine the elements into a single vision statement (A2).

A1

Describe your vision for this sector in the year 2040

Write your answer on a sticky and place it below. Imagine a future scenario that is unimpeded by limitations or constraints of your past experience. You are not limited by current trends or projections.

Sticky notes for A1:

- LRT from Vancouver to Pemberton
- bridge over the Lillooet to connect trails to downtown while also increasing safety and connection between Pemberton and Mt. Currie.
- less parking in town centre
- more carpool opportunities for commuters going to whistler
- Flying self automated
- Remove working
- electric buses!
- Landing pads for self automated cars
- safe comfortable and convenient bike routes connecting pemberton
- established comprehensive Bike lanes separate from roads
- Zero emission regular bus service & passenger trains
- prioritizing pedestrian connections in new neighbourhoods
- Dedicated bike lanes on highways & meadows road to increase safety and accessibility for cyclists and pedestrians.
- Mobility as a service
- Accessible transit to everywhere
- No individual vehicles
- Expansion of regional transit services. Meadows, D'Arcy, etc.
- On-demand transit
- On demand transit and increased self transit biking
- Transit on demand

A2

Consolidate themes and refine the vision

Assign a scribe, gather themes and work to create a single vision from your groups ideas.

Consolidated themes and vision statement:

- Mobility as a Service - on demand, transit, accessible transit
- Active Transportation
- Reducing the need to own a vehicle
- Increasing transportation accessibility
- Vision: By 2040, increase opportunities for non-mechanized transportation while ensuring that transportation in pemberton is safe, accessible, convenient, and environmentally conscious.

Remember to be specific and identify someone to report back

Vision of a Low-Carbon Future

Buildings

- Affordable, beautiful and livable homes
- Healthy and comfortable
- Fit for purpose
- Propane replaced with low-carbon heating
- All electric new building
- Sustainable urban core, walkable and dense
- New buildings use renewable resources

Transportation

- Active transportation
- Reduced need for vehicle ownership
- Increased transit accessibility
- Electric buses
- No individually owned vehicles
- More carpooling for travel to Whistler

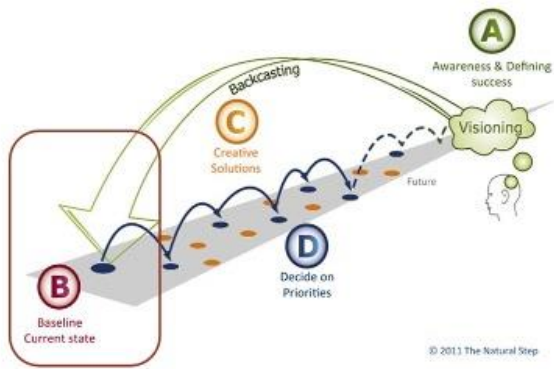
Waste

- Zero waste
- Eliminate food waste
- Compost for local food use
- Locally/regionally produced food
- Single use plastics are banned
- Extract energy from waste
- Pemberton as a beacon for sustainability

Pemberton's Current State

Breakout 4 - Transportation - Shift Beyond the Car & Electrify

The Baseline Current State



EXERCISE

Identify & Refine the Current State

Write the elements that make up the current state for this sector (B1).

Afterward we will arrange them in common themes or patterns and refine the elements into a single vision statement (B2).

B1

Describe the current state in the Village

- Write your answer on a sticky and place it below.



B2

Consolidate themes and refine

- Assign a scribe, gather themes and work to create a single representation of the current state from your groups ideas.

Existing in Pemberton:

- large commuter population
- prevalent truck culture (and increasing) is also tied to accessing outdoor recreation (biking/sledding)
- Minimal public transportation available and limited access to private transportation (taxi)

Remember to be specific and identify someone to report back

Pemberton's Current State

Buildings

- Overall, pretty good
- Lots of new homes
- Some older homes use propane
- Fairly dense urban core

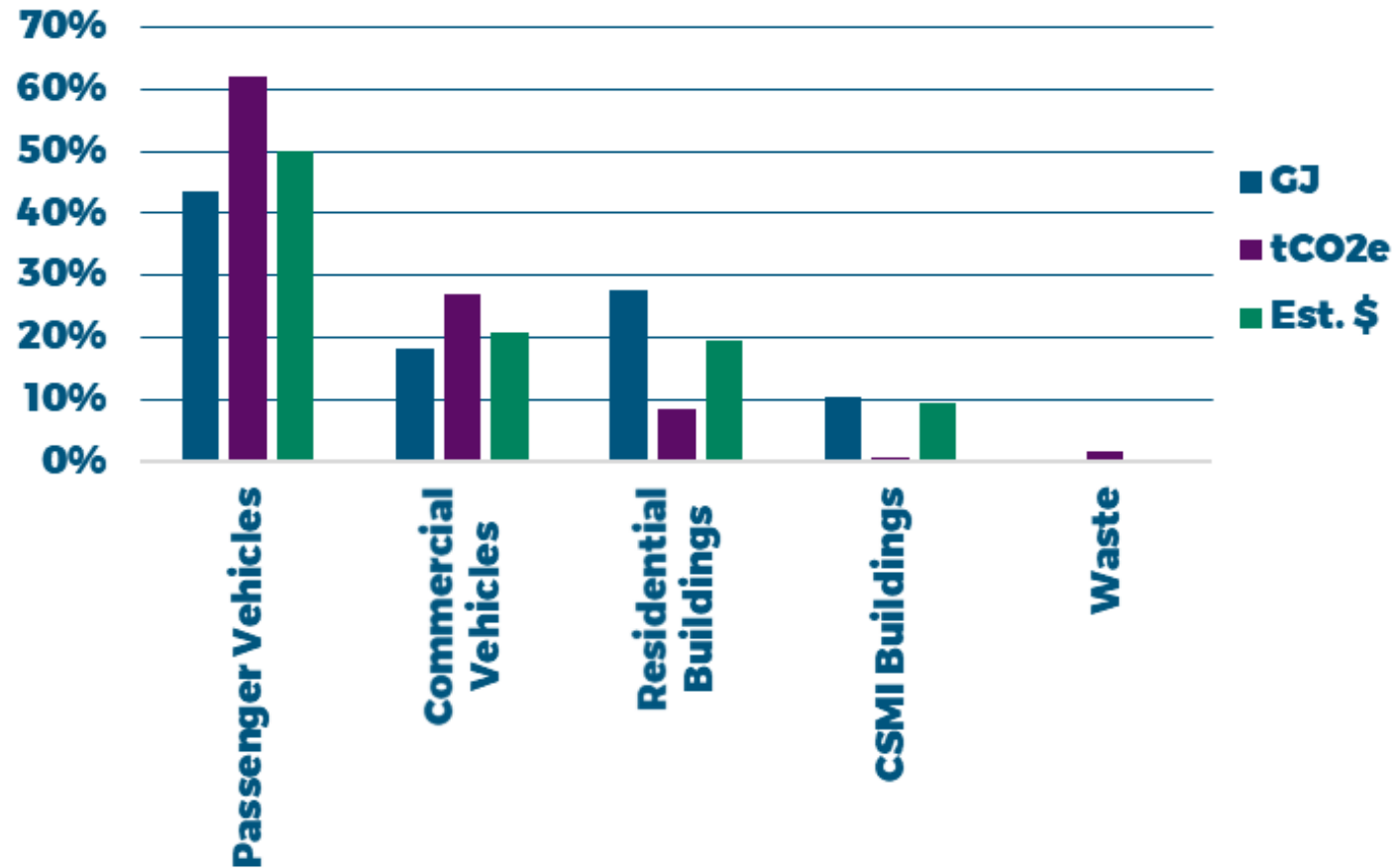
Transportation

- Large commuter population
- Truck culture
- Minimal public transportation
- Walkable downtown
- Two EV charging stations

Waste

- Lots of food waste
- Lots of waste sent to landfill
- Waste is managed by SLRD

Current Emissions



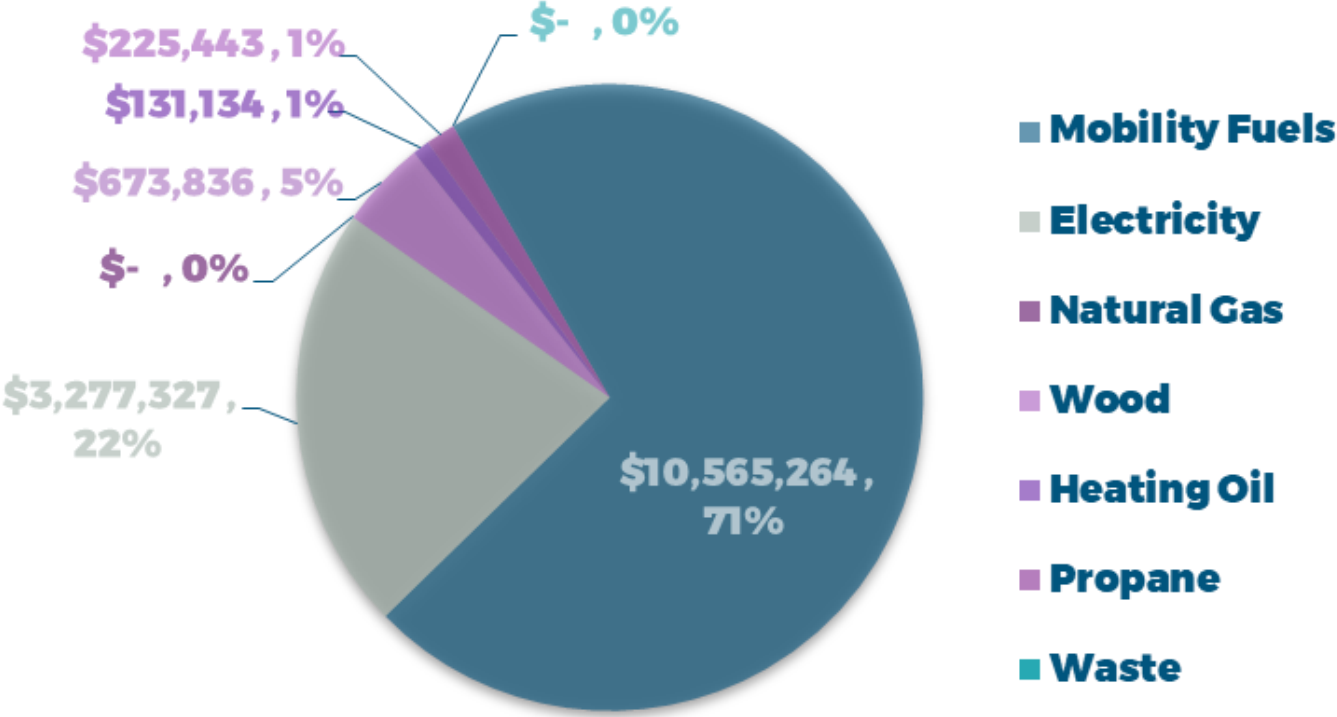
2018 Totals:

480,777 GJ

22,853 t CO₂e

\$14.9 million

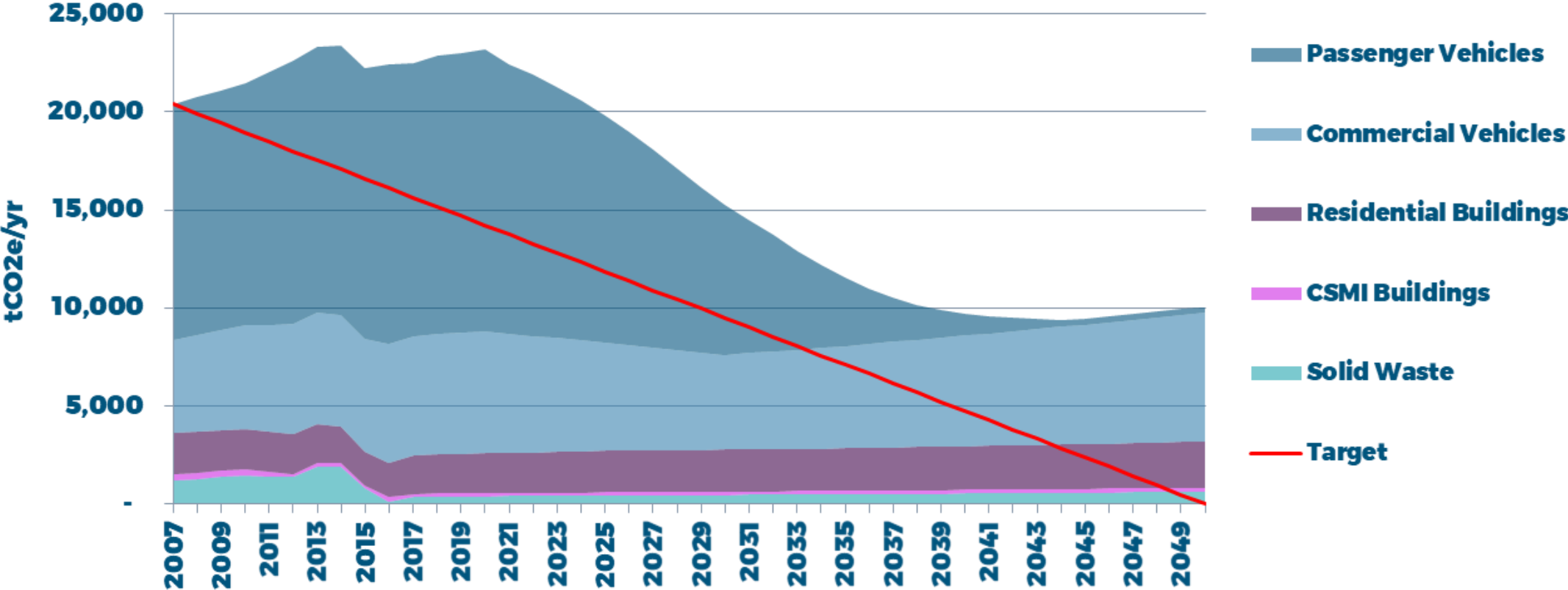
Community Energy Spend



2018 Total:
\$14.9 million

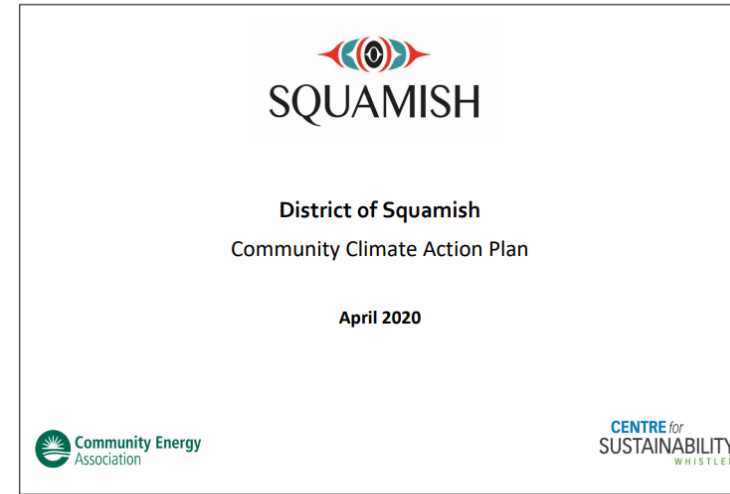
Business as Usual and Target

BAU GHG's by Sector, tonnes/year



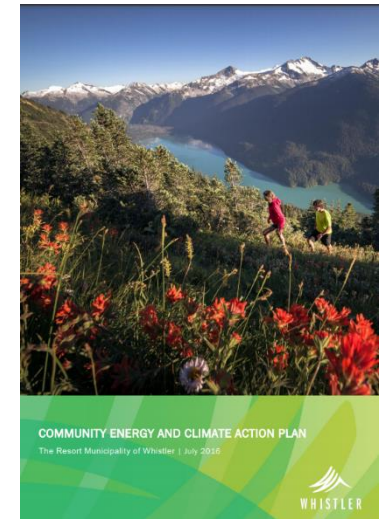
Neighbouring Communities

From the District of Squamish..... “In 2030, emissions in the District of Squamish will be reduced by at least 45% from 2010 levels, and we will be on track to achieve net-zero emissions by 2050”.



From the Resort Municipality Of Whistler...
“The new target commits Whistler to reducing GHG emissions by 50% below 2007 levels by 2030”

“A 33% reduction in GHG emissions by 2020, an 80% reduction by 2050 and a 90% reduction by 2060 – all relative to 2007 levels.”



What's in your Toolbox?

Infrastructure

Policy & Regulation

Engagement &
Collaboration



Enable
Choice

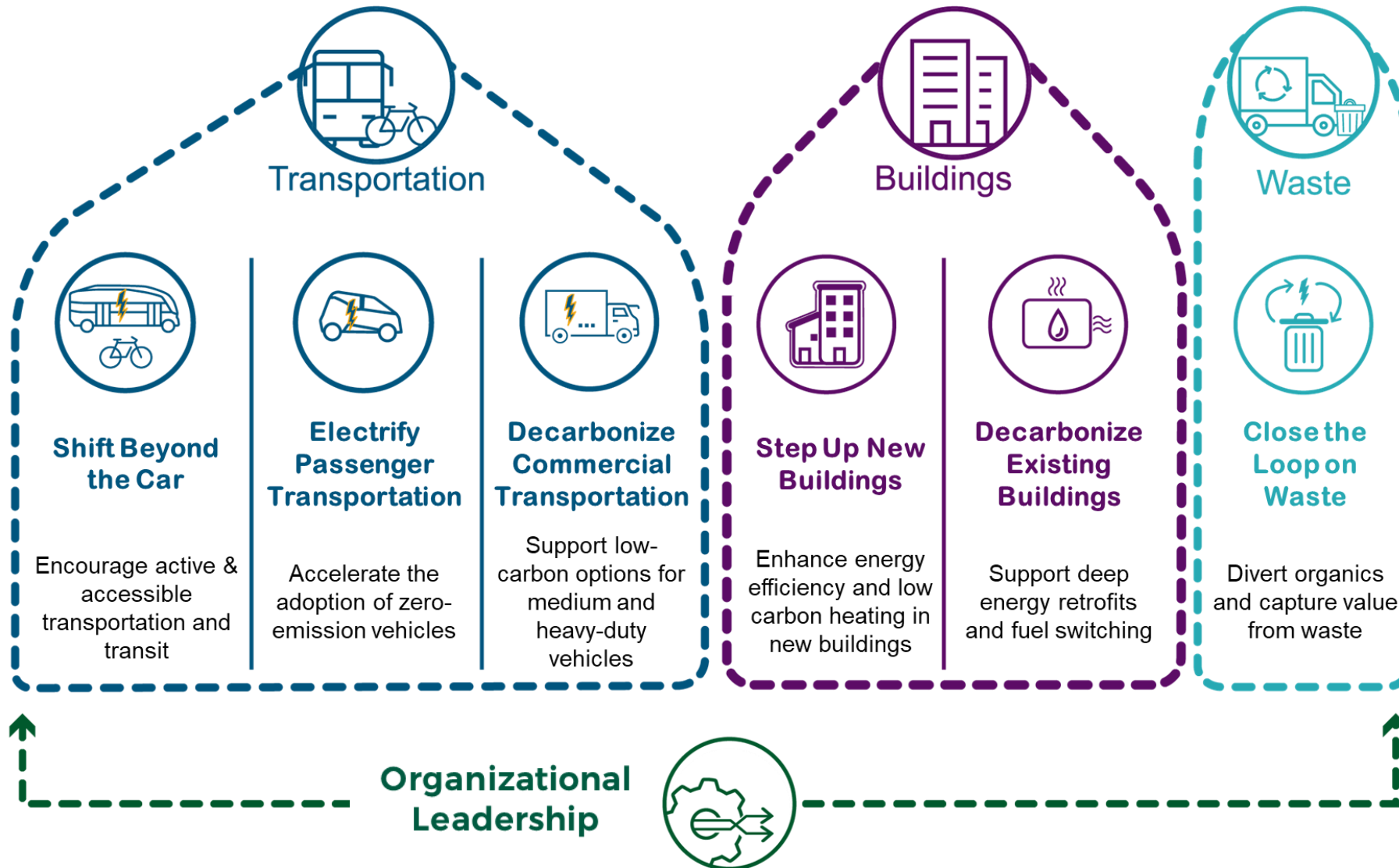


Shape
Choice

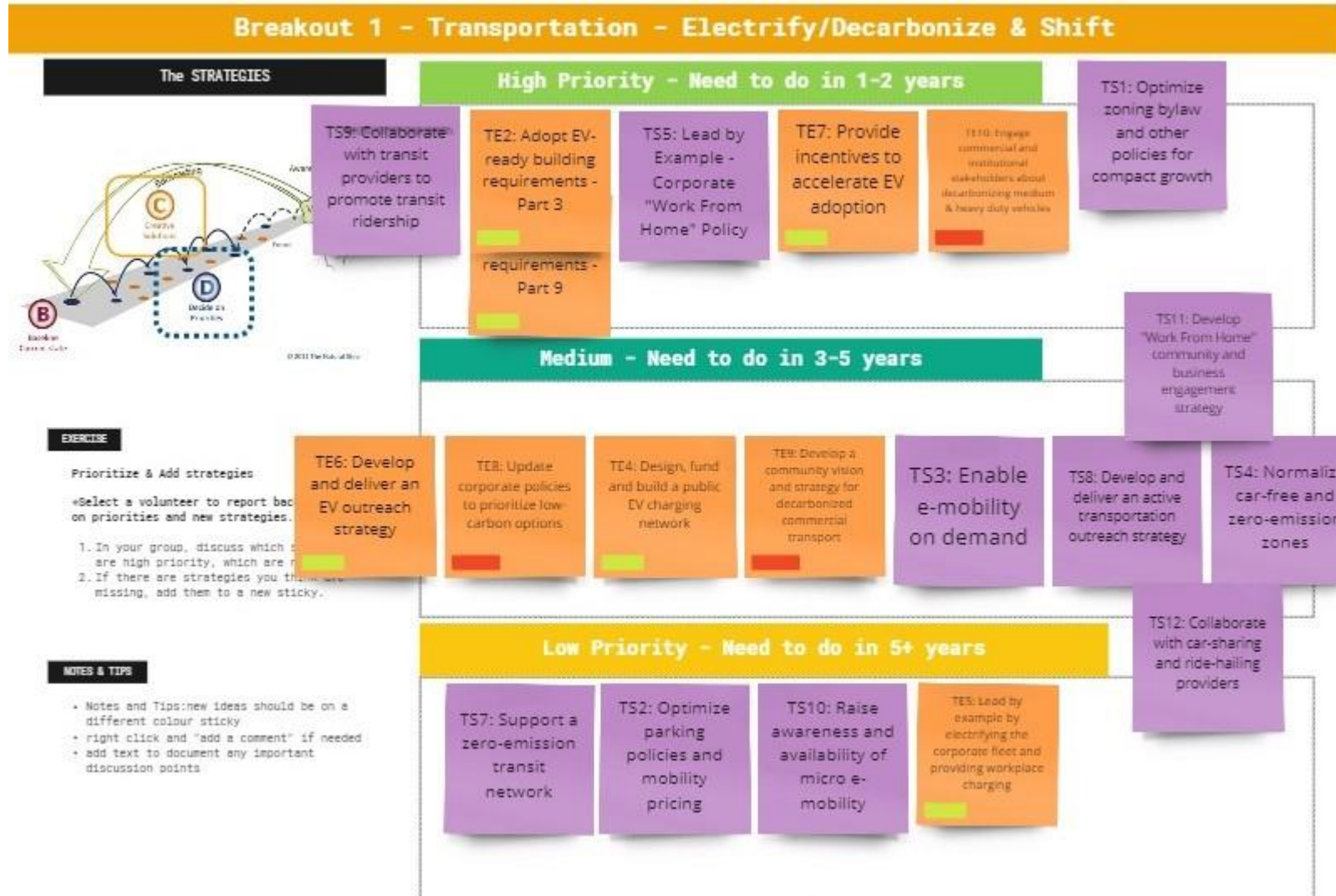


Support
Choice

The “Big Moves”

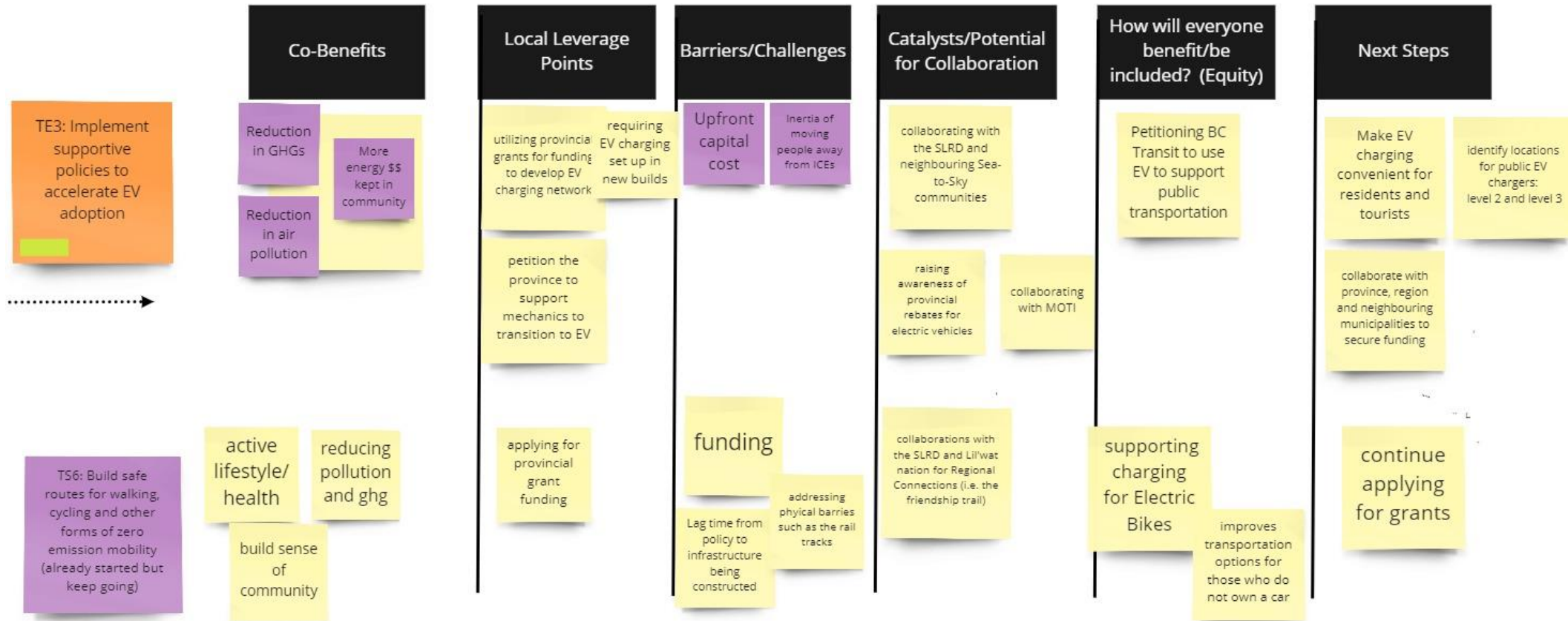


Strategy Prioritization



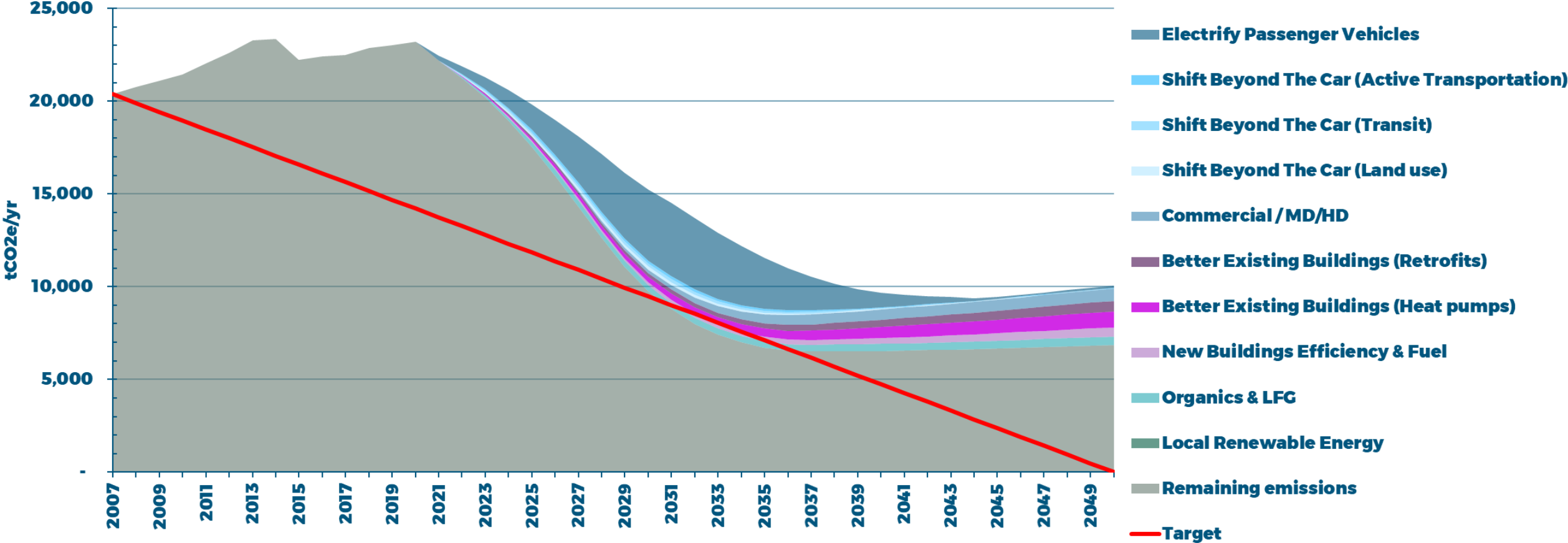
Strategy Deep Dive

Breakout 1 - Transportation - Electrify/Decarbonize & Shift Beyond the Car



Full Implementation

Wedge Analysis - Emissions Reductions By Action From BAU, tonnes/year



Integrating Across the Organization

Incorporating	Budgeting	Monitoring	Convening	Reporting	Renewing
<p>Incorporate into other planning docs:</p> <ul style="list-style-type: none"> - Transportation plan - Solid waste plan - Sustainability plan - Strategic plans 	<p>Incorporate into budgeting process</p>	<p>Monitor implementation, e.g.:</p> <ul style="list-style-type: none"> - KPI's - Indicators for specific departments 	<p>Regular formalized meetings to discuss implementation, e.g.:</p> <ul style="list-style-type: none"> - Mayor's Task Force - Committees of Council - Staff committees - Community committees 	<p>Regular reports to Council, e.g.:</p> <ul style="list-style-type: none"> - Integrated with reporting on other plans 	<p>Prepare for plan renewal every 3-5 years</p>

Next Steps & Questions

**Committee of the Whole Council
Presentation & Public Survey**



**Draft Report to Village of
Pemberton staff**



**Council adopts the Community
Climate Action Plan**

Explore the Playbook

Learn about some of the “Big Moves” under the Climate Leaders Playbook at

www.bcclimateleaders.ca

Questions?