



# **Public Sector Climate Leadership Engagement Exercise**

# Overview

- Context
- Brief recap of the *Climate Change Accountability Act* (the CCAA)
- Review regulatory authorities and policies
- Overview of Session

# CHANGES TO THE CCAA

Previous CCAA	Amendments
Provincial GHG reduction targets	Unchanged
Ministerial powers to set targets for year or sectors	Minister will use these powers
Provincial reporting every 2 years	Annual reporting
CNG requirements	Unchanged
Silent	New regulatory authorities

# Recap: Climate Change Accountability Act (CCAA)

## Current Provisions

- Provincial GHG targets
- Ministerial powers
- Annual reporting
- Carbon neutral government



# Recap: CCAA Amendments

- Advisory Committee
- Required Targets
- Public Sector Climate Change Accountability
  - Report name change to Climate Change Accountability Report
  - Regulation making powers to set targets, requirements
  - Carbon neutral requirement unchanged



# PUBLIC SECTOR FLEET





- 40% reduction of emissions from all public sector fleet vehicles by 2030
- Starting 2020, 10% of LDV government fleet purchases are ZEVs where an electric option meets operational needs

# PATHWAYS TO CLEANBC GOALS

CLEAN FUELS	CLEAN VEHICLES	SUPPORTING INFRASTRUCTURE
<ul style="list-style-type: none"><li>• Electricity</li><li>• Hydrogen</li></ul>	Zero-emission	<ul style="list-style-type: none"><li>• Charging Stations</li><li>• Refueling stations</li></ul>
<ul style="list-style-type: none"><li>• High-renewable content</li><li>• Cleaner burning</li></ul>	Specialized motors	Refueling stations
	More fuel efficient vehicles that use conventional fuels	None needed



# PREVIOUS FEEDBACK - BARRIERS

- Lack of funding
- Lack of infrastructure
- Access to vehicle supply
- Knowledge and expertise
- No link between facilities and fleet
- Lack of Strategic Plan

# ADDRESSING BARRIERS

**CEV for BC**™

Clean Energy Vehicles for British Columbia

- Incentive funding for vehicles and charging stations
  - Broader public sector eligible
  - Crowns and ministries ineligible
- ZEV Act
    - Adequate supply of vehicles
    - Sales targets for manufacturers



# ADDRESSING BARRIERS

- Climate Change Accountability Act
  - Authority to set targets and requirements for:
    - Zero-emission vehicles
    - Vehicles that use a specific fuel
    - Fuel-efficiency
    - Fuel
    - Infrastructure



# PREVIOUS FEEDBACK - SOLUTIONS

- Strategic Fleet Planning
- Infrastructure Assessments
- Fleet Assessments
- Right Sizing
- Information sharing

# ENGAGEMENT EXERCISE - FLEET

Objective:

**Build upon what we learned in previous engagement sessions regarding barriers and solutions to transforming the BC Public Sector Fleet in order to inform policy direction.**



# ENGAGEMENT EXERCISE - SCOPE

- Phase 1: Electrification and Electric Vehicles
  - Strategic Fleet Planning
  - Assessments of fleet, facilities and infrastructure
  - Coordination between fleet and facility departments
  - Policies

# ENGAGEMENT QUESTIONS

1. What initiatives have your organizations investigated or implemented to transition to clean fuels, clean vehicles and supporting infrastructure?
2. What challenges did your organization face?

# ENGAGEMENT QUESTIONS

3. How have other organizations addressed similar challenges?

4. What solutions and supports could help your or other organizations implement a similar initiative?

# BUILDINGS



# CURRENT GOVERNMENT DIRECTION

- **CleanBC Commitment: Public-Sector Buildings**
  - Public buildings will reduce emissions by 50% by 2030
- **CleanBC Commitments: Low-Carbon Buildings**
  - Overall emissions from buildings will drop by 40% by 2030
  - The Province will reduce GHG emissions from government vehicles by 40% by 2030
- **Green Building Policy Drivers**
  - New public-sector buildings must be built to LEED Gold or equivalent
  - Carbon neutral government





# PUBLIC SECTOR GREEN BUILDING POLICY: SCOPE AND OBJECTIVES

## Scope:

- Phase 1 of the regulations is focused on new buildings
- Possible regulations for equipment efficiency standards and operations in existing buildings

## Potential environmental performance objectives:

- Reduce GHG emissions
- Increase energy efficiency
- Conserve water
- Improve air quality
- Reduce waste
- Address other environmental effects



# GREEN BUILDING STANDARDS: RECAP

## LEED Certification

- 4 levels: LEED, Silver, Gold, Platinum
- LEED Gold is currently the baseline for new PS buildings

## Living Building Challenge

- Requires all electricity to be generated on site via renewables
- All projects must supply 100% of the project's water needs via captured precipitation or other closed-loop water systems

## BC Energy Step Code

- Provincial regulation available to local governments to go beyond BC building code energy efficiency requirements



# PROCESSES AND TIMELINES

- Proposals for regulations will be developed with ministries and PSOs, using a **collaborative** approach
- Costing of proposals will form an important part of final decision package
- Aiming to submit proposed regulation for decision in summer 2020.

# QUESTIONS TO CONSIDER

- **Which green-building standard, certification system, or approach might be best suited for your sector?**
- **What are the opportunities and challenges that would be created by new or more ambitious green-building standards?**
- **Do you have any other suggestions for us, as we consider green-building regulations? What have we missed?**



Ministry of  
Environment and  
Climate Change Strategy

# Climate Ready BC: Preparing Together

## Climate Ready Buildings & Climate Risk Reporting



Ministry of  
Environment and  
Climate Change Strategy



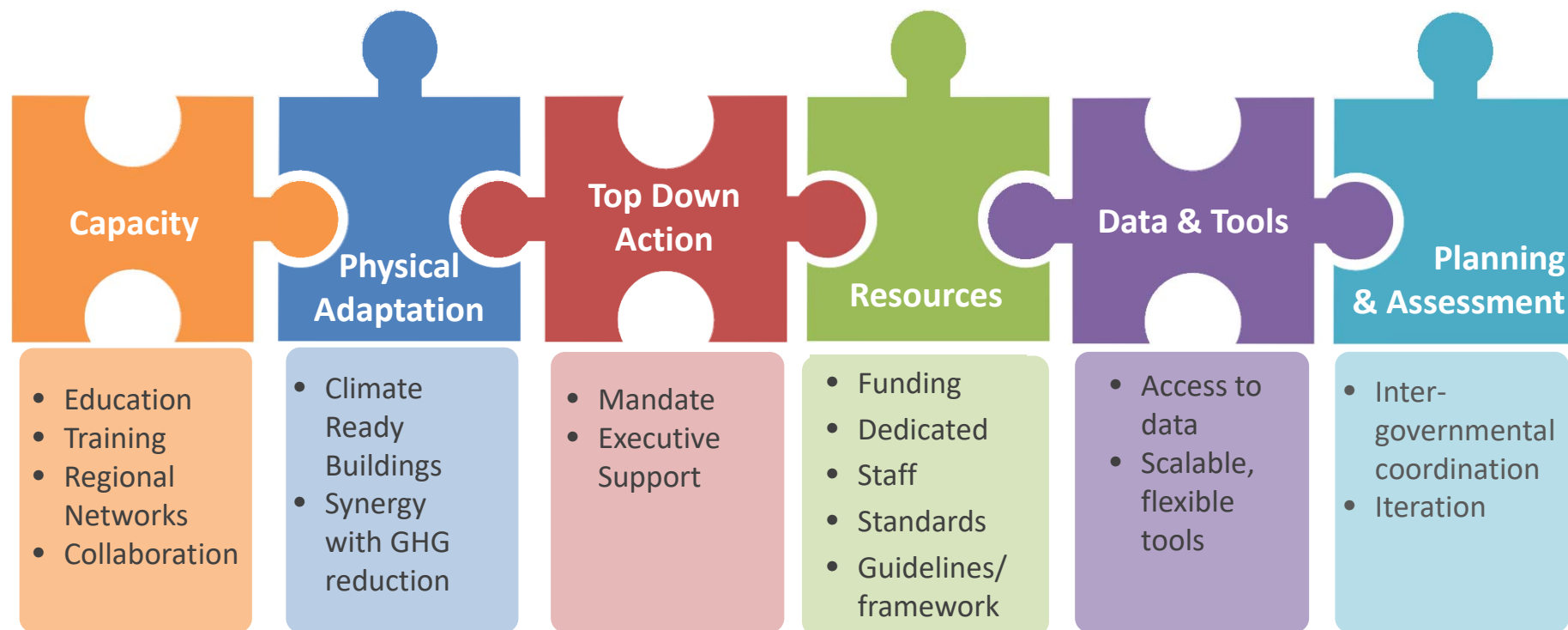
# What We've Heard

## Engagement Activities 2019:

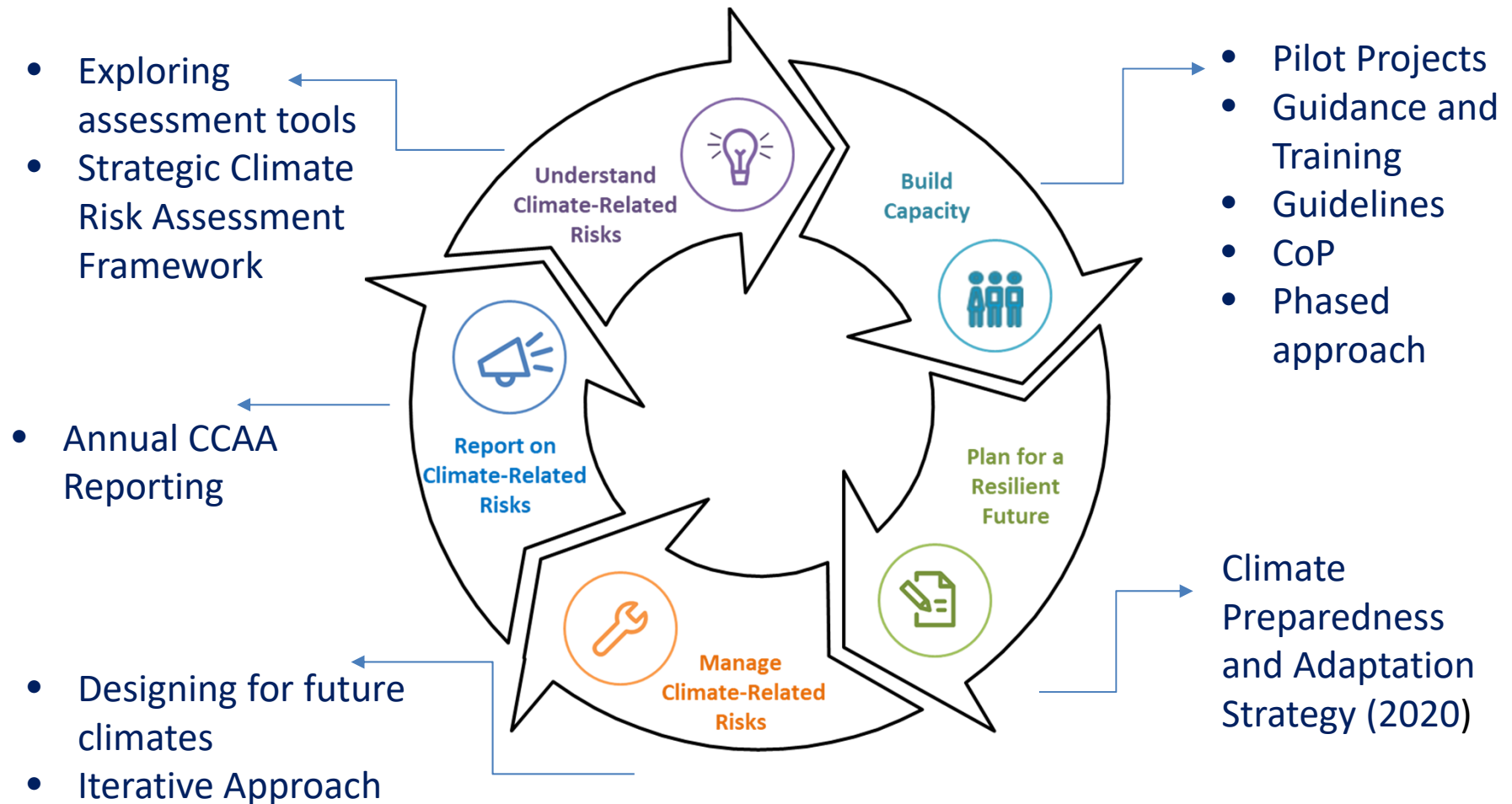
- February 2019 Symposium
- 2018 CNAR Survey
- Climate Risk and Resilience Community of Practice

# Common Themes: What We've Heard

Last Symposium & 2019 CNAR Survey – Building a Climate Ready Public Sector!



# Building Blocks for Adaptation



# Climate Ready Engagement

## 1. Climate Preparedness and Adaptation Strategy

- Climate Ready Public Sector Program

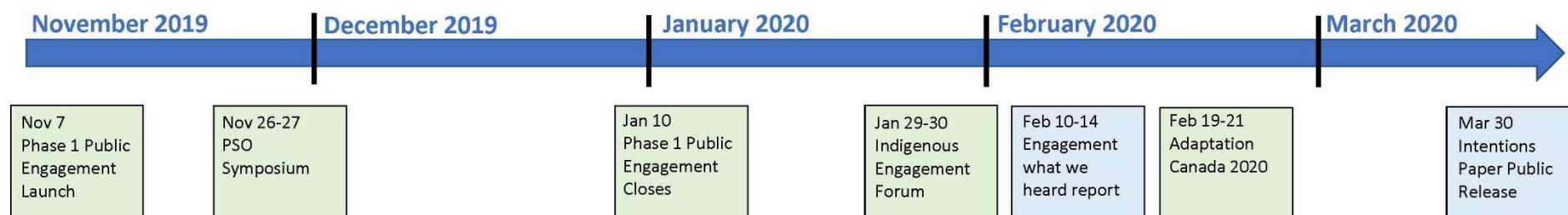
## 2. Climate Risk Reporting Requirements

- Proposed categories, timelines, resources

## 3. Climate Ready Building Requirements

- Assess, manage, report; proposed resources, proposed process

# Timeline for Policy Discussion Paper



## Considerations:

### Key Engagement Events

### Deliverables

- CAS and EMBC will integrate timelines for Emergency Program Act modernization and Climate Preparedness and Adaptation Strategy development
- Cross-government working group meeting biweekly reporting to ED Steering Committee



# Engagement Exercises

- Fleet – T228
- Buildings – Main Room
- Adaptation - Main Room