



Community Energy
Association



The Pan-Canadian Framework on Clean Growth and Climate Change and What it Means for Local Governments

BCMCLC 2017

LEAD

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

EDUCATE

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

ENGAGE

Be a positive non-partisan voice for climate action



Mayor Richard Walton (Chair)	District of North Vancouver
Andrea Reimer, Councillor	City of Vancouver
Mayor Darrell Mussatto	City of North Vancouver
Mayor Lawrence Chernoff	City of Castlegar
Patrick Johnstone, Councillor	City of New Westminister
Cheryl Shuman, Councillor	City of Dawson Creek
Mayor Taylor Bachrach	Town of Smithers
Mayor Jon Lefebure	Municipality of North Cowichan
Sue Ellen Fast, Councilor	Bowen Island Municipality
Mayor Lee Brain	City of Prince Rupert



BCMCLC Funders





TOWN OF QUALICUM BEACH
Incorporated 1942





Community Energy Association Purpose

- CEA is a **charitable non-profit** society
- CEA is the **trusted independent advisor to local governments**
- We are helping local governments **close the implementation gap**

Accelerate Climate Action with People and Projects

Awareness & Recognition

- Workshops & Presentations
- Research & Publications
- Collaboration
- Climate & Energy Action Awards

Projects

- Planning
- Implementation
- Technology Acceleration



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Pan-Canadian Framework on Climate Change – Local Government Implications

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Community Energy Association

Disclaimer



Initial Thoughts

- Messy Federal – Prov – Territorial negotiation / sausage-making
 - Grand bargain – Site C inter-tie for Kinder Morgan and Carbon Tax
- Strong First Nations focus
- High level document, not much detail or \$
- Generally going in a useful direction
- Improvement Opportunities
 - More numbers for funding
 - Specifics on EV strategy



Municipalities are also essential partners. How cities develop and operate has an important impact on energy use and therefore GHG emissions

Local Government To-Do's

✓ Watch out for

- ✓ Budget 2017 for \$\$ details federally and provincially
- ✓ NRCAN RFP's and other federal releases of funds
- ✓ BC CLP 2.0... Province has positioned CLP as first

✓ Proactive grant and RFP applications

- ✓ Get green infrastructure projects budgeted and ready to go for when infra \$ start to flow
- ✓ NOTE: Federal government usually has difficulty in moving infrastructure \$\$ out the door in time planned

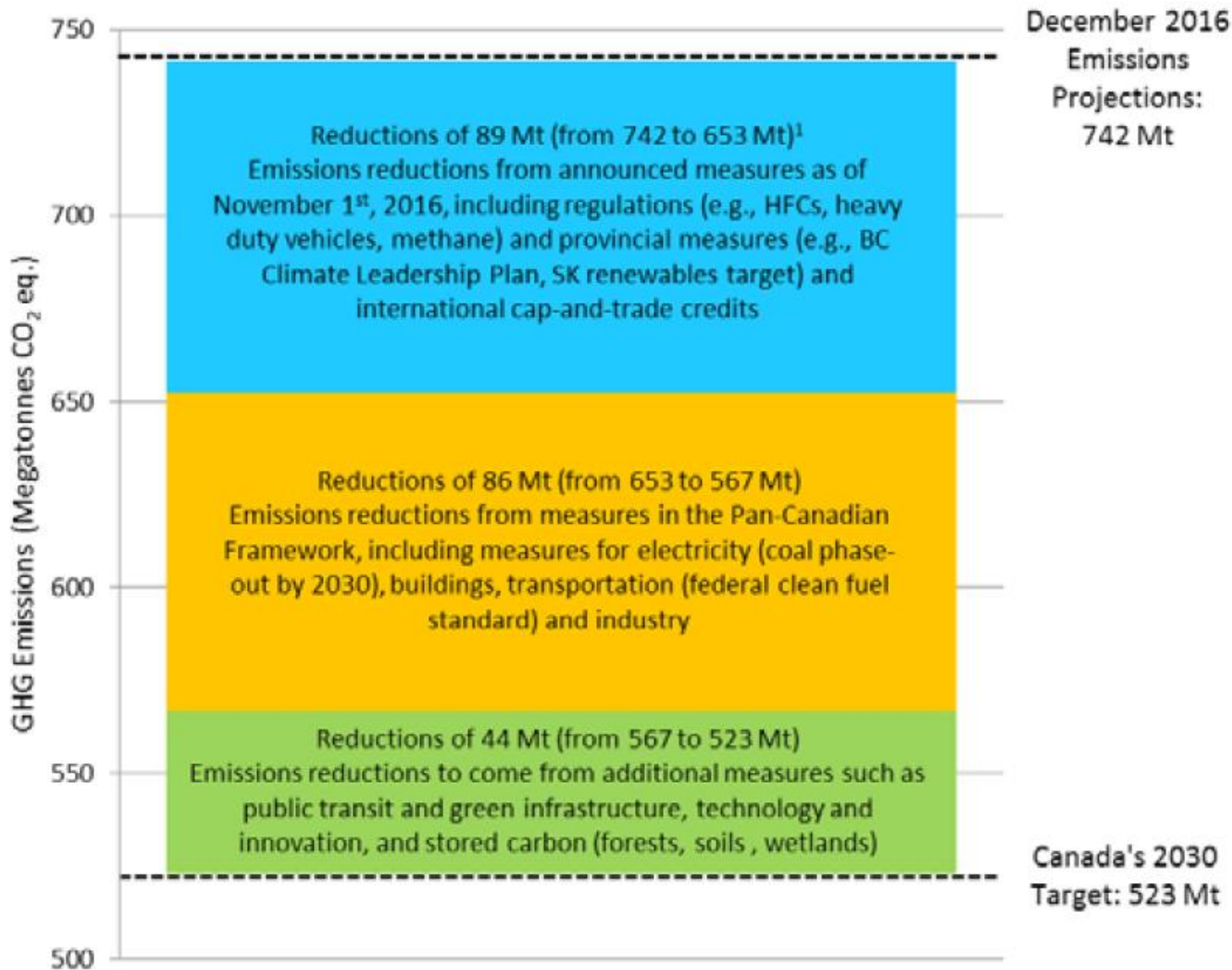
✓ Provide input to Canadian EV strategy (need national ZEV mandate)

✓ Education and engagement

- ✓ on step code for staff, council/board, and stakeholders (building community)
- ✓ on building labelling
- ✓ on retrofits as retrofit codes emerge and programs evolve



Making Progress – not all the way there





- increasingly stringent standards for emissions from light-duty vehicles, including fuel-efficient tire standards, and to update emissions standards for heavy-duty vehicles.
- improve efficiency and support fuel switching in the rail, aviation, marine, and off-road sectors.
- a Canada-wide strategy for zero-emission vehicles by 2018
- to accelerate demonstration and deployment of infrastructure to support zero-emission vehicles, such as electric-charging stations
- enhance investments in public-transit upgrades and expansions
- develop a clean fuel standard to reduce emissions from fuels used in transportation, buildings and industry



- Buildings NNZ Model codes for 2030
- Model retrofit code by 2022
- Requiring labelling of building energy use by as early as 2019
- sustain and, where possible, expand efforts to retrofit existing buildings by supporting energy efficiency improvements as well as fuel switching
- set new standards for heating equipment
- Governments will collaborate with Indigenous Peoples as they move towards more efficient building standards and incorporate energy efficiency into their building-renovation programs.



- **Renewable & Remote**

- identify opportunities to produce renewable fuels and bioproducts, for example, generating [renewable fuel from waste](#).
- Federal, provincial, and territorial governments will support Indigenous Peoples and northern and remote communities in adopting and adapting clean technologies, and ensuring [business models support community ownership](#) and operation of clean technology solutions.

- **Government**

- The federal government has set a goal of using [100 percent clean power by 2025](#).
- The federal government is committed to reduce its own GHG emissions to [40 percent below 2005 levels, by 2030 or sooner](#)

- **Adaptation**

- partner to invest in [infrastructure projects](#) that strengthen climate resilience
- work together through the National Disaster Mitigation Program to develop and modernize [flood maps and assess and address flood risks](#).
- to invest in [traditional and natural infrastructure](#) that reduces disaster risks and protects Canadian communities from climate-related hazards such as flooding and wildfires

Other Actions

- **Electricity**
 - Coal phase-out by 2030
 - Increased cross-provincial electricity inter-ties
 - Performance standards for natural gas electricity generation
 - Investment to improve efficiency, increase renewables, and connect [remote diesel dependant communities](#)
- **Carbon Tax**
 - Start by 2018
 - Review in 2022
 - \$10 per tonne in 2018 and rise by \$10 per year to \$50 per tonne in 2022
- **BC**
 - British Columbia, the Government of Canada and First Nations will work together to reduce GHG emissions through forestry activities, including reforestation, enhanced silviculture techniques, and the [salvaging of unmerchantable trees for processing into dimensional lumber and bioenergy](#)



- \$62.5 million to support the deployment of infrastructure for alternative transportation fuels, including **charging infrastructure** for electric vehicles
- Budget 2016, the federal government has announced an additional \$81 billion over 11 years for investments in **public transit**, social infrastructure, transportation
- **Green infrastructure** funding will support projects that reduce GHG emissions
- **Canada Infrastructure Bank** will be responsible for investing at least \$35 billion on a cash basis
- \$2 billion **Low Carbon Economy Fund** will begin in 2017



Thank You

- Recording online at www.communityenergy.bc.ca
- Next webinars
 - Step Code
 - Solar and LED Streetlights
- Contact us at
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