

Community Climate Action Plan For Squamish

Presentation to Committee of the Whole

Dan Wilson (WCS)

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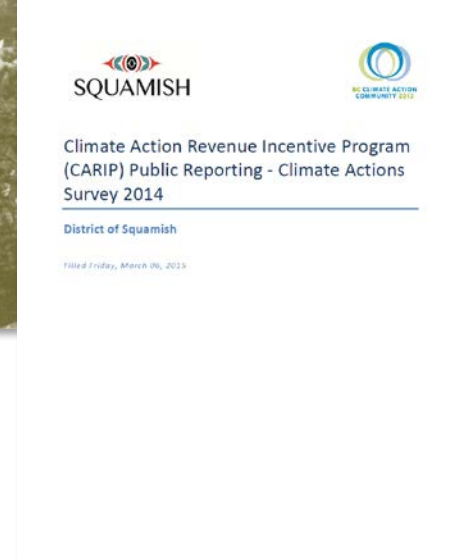
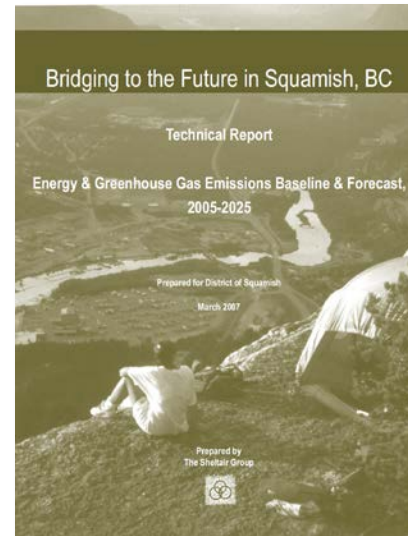
Council



- Climate Emergency Resolution
 - *By the end of 2019, a Greenhouse Gas Emissions (GHGe) Reduction and Implementation Plan ...*
- Strategic Plan 2019-2022
 - *Act on climate change now to create positive local and global impacts*
 - *Adopt community Greenhouse Gas Emissions (GHGe) reduction targets and implementation plan by December 2019.*
- Squamish2040 (OCP)
 - *Prioritize completion of a Community Energy and Emissions Plan (CEEP).*

Background

- Previous GHG Planning and Action
- Squamish2040
- Related plans to draw from
 - DOS CARIP Reports
 - Multi-Model Study
 - Squamish 2040
 - Active Transport Plan
 - Past energy plans



Overview

- To create a cohesive plan that reflects the urgent need to limit global warming to 1.5 degrees Celsius with significant action by 2030 to reduce emissions by 45%.
- Process to take place from now until January 2020, with most the planning work complete in 2019.



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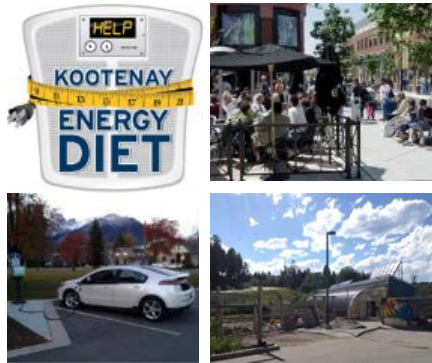
Overview

- Community Climate Action Plan
 - Quantifies current annual GHG emissions and sources (e.g. energy)
 - Projects business as usual(BAU) annual emissions
 - Identifies reduction targets and actions to get there
 - Guides resources toward projects that have good reductions for the investment
 - Establishes an implementation and evaluation plan for the actions

Scope: Community vs. Corporate

Community:

Residential, commercial, institutional



Local government:

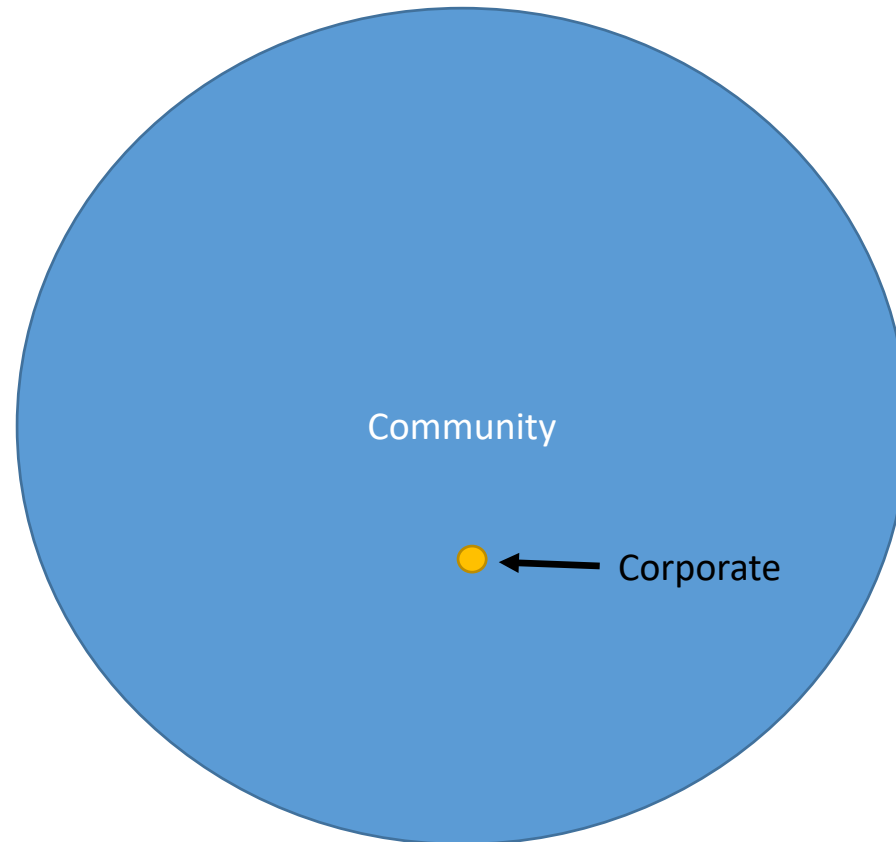
Corporate operations and infrastructure



But, there is crossover. E.g.:

- • Leading by example
- Leveraging corporate assets

Community vs. Corporate Emissions



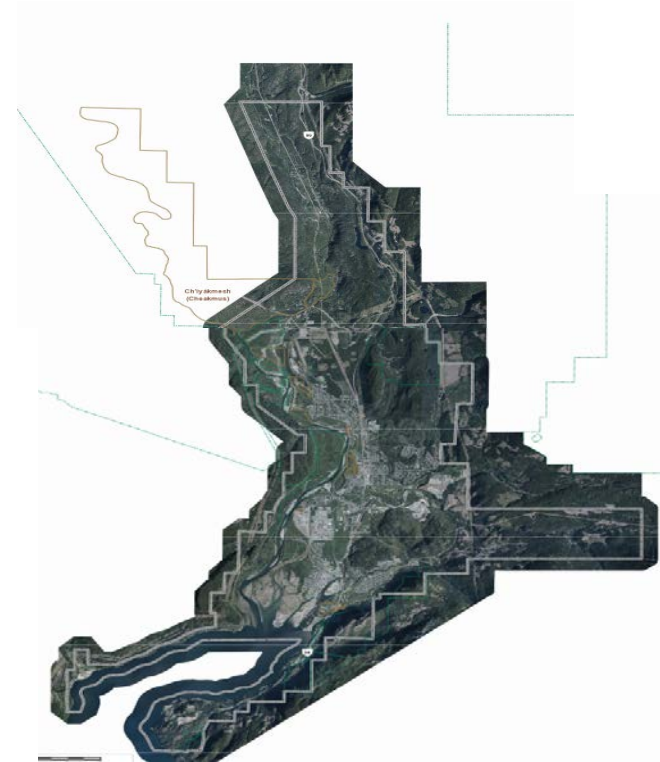
Inventory Scope... All in for Actions

IN

Squamish Boundaries

OUT

- Large industry (compared to community)
- On ocean emissions
- Land Use, Land Use Change & Forestry (LULUCF)
- Embodied energy / carbon
- Cardlock stations (unfortunately)



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Reasons

- Livability – healthier homes and lifestyles
- Community Resilience – reduced exposure to prices, diverse supply, food security
- Increased community connections – walk/bike and neighbourhood design
- Local jobs- clean tech sector strategy, better building construction
- Cost savings– reduced energy, public transit, walk/bike routes, housing choices
- Local action community wide for a global challenge and opportunity



Image source: Wikipedia

Community energy expenditures – BAU

Estimated



Sample with Climate Action Plan

Climate Action Context – Federal & Provincial Levels

PAN-CANADIAN FRAMEWORK

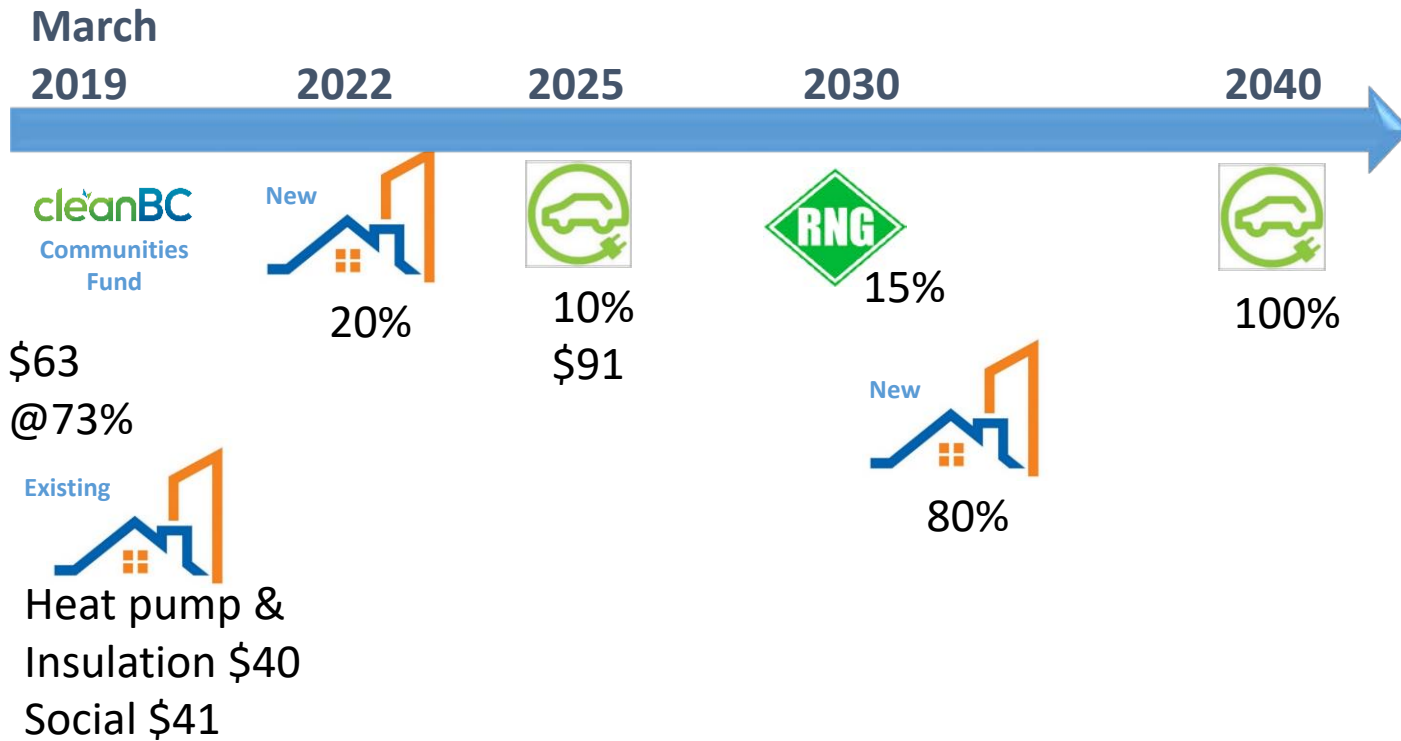


on Clean Growth and Climate Change

Canada's Plan to Address Climate
Change and Grow the Economy



cleanBC



Understanding the District's Role

Direct Control	Direct Influence
Municipal infrastructure, buildings & fleet	Transportation network Land use patterns Solid waste, consumption Building efficiency standards Sharing economy, new businesses
Indirect Influence	Little Influence
Transportation mode share Residential & business energy efficiency Food security Sustainable consumption	Natural gas & electrical utility Vehicle standards Industrial energy efficiency Air travel



Squamish Plan Process

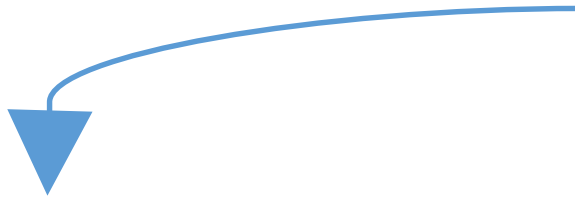
Inventory and Projections

- Understand emissions in relation to 2007 baseline year
- Modelling BAU
- Survey public



Action Plan and Engagement

- Identify action options and impact
- District of Squamish workshop
- Facilitating a stakeholder workshop
- Hosting a public open house



Report Writing and Draft Plan

- Modelling new proposed actions
- Drafting recommended actions and targets
- Creating an implementation



Deliver Final Plan

- Refining the draft plan
- Presenting the final plan to Council

Engagement

- Community Survey – Soon to October
- Climate Leadership Team - October to December
 - 8 members – consider and champion expedient actions to reduce GHG emissions
- Workshops x 2– Mid-November
- Open house – Late-November
- Council presentation – January 2020

Plan Output

- A report that describes how to meet your GHG emission reduction goals and targets:
 - Actions
 - Buildings
 - Transportation
 - Solid Waste/Consumption
 - Economic Sector
 - Integration in to other municipal processes
 - Implementation/Schedule approach
 - Monitoring
- A plan that also describes:
 - Input of stakeholders and the public in to the plan, and working with them
 - Co-benefits of climate action
 - Context, e.g.
 - Provincial & Federal government
 - What the community has already been doing



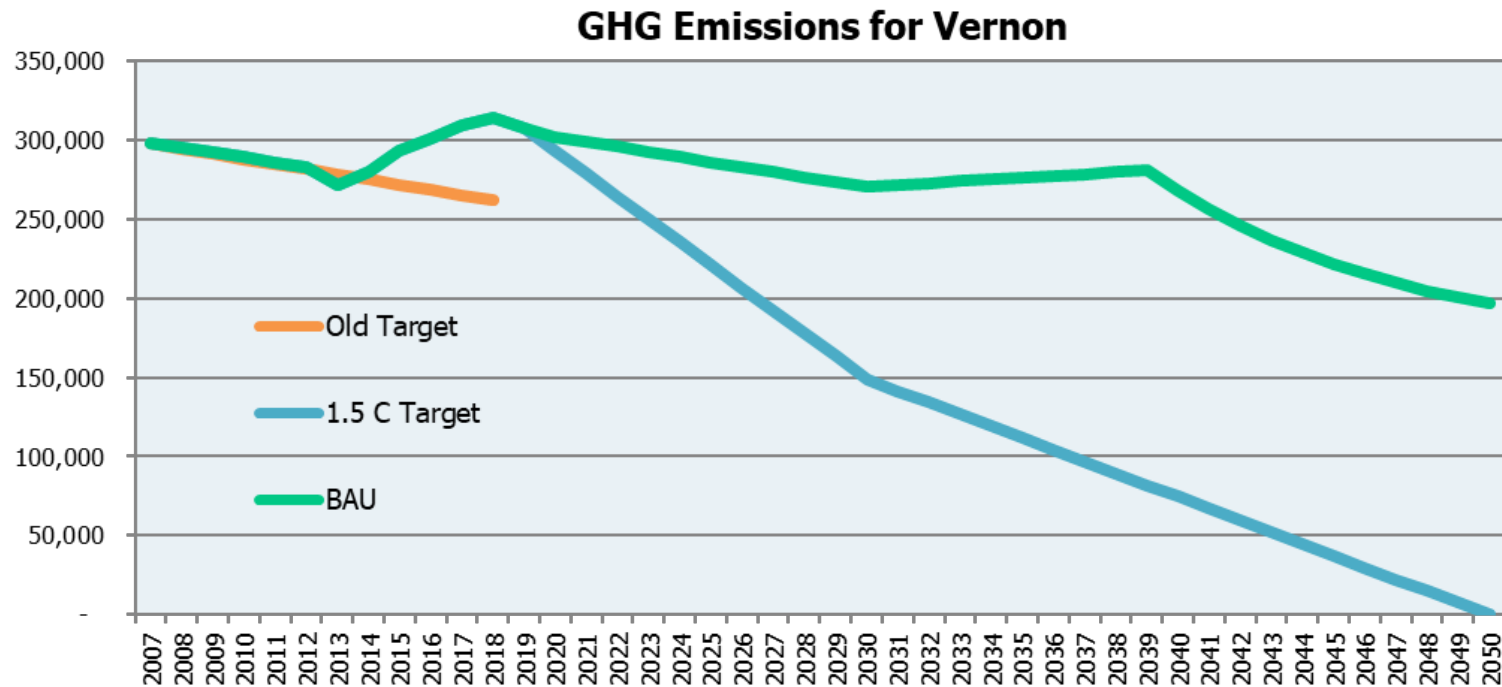


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Being Bold

- 1.5°C targets are not for the faint of heart
- For a 45% reduction by 2030, **substantial** changes will be required



With others...

- 25 other communities in British Columbia
- 55+ other communities in Canada, 26 mention IPCC targets

**Recognition of
1.5 degrees
Celsius goal**

**New/
Repackaging
local climate
action into big
moves**

**Accelerating all
actions**

**Climate at the
forefront of
budgeting**



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QUESTIONS?



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Thank You

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