

**DRAFT FRAMEWORK FOR  
A CAPITAL REGION LONG-TERM ENERGY  
STRATEGY**

Presentation to the Environmental Services Committee

Capital Regional  
District Roundtable on  
the Environment (RTE)

October 28, 2015

## MEETING OBJECTIVES:

- Present proposed guiding framework for a “2050 Energy Strategy”
- Receive input from the Environmental Services Committee
- Seek a decision regarding process to develop a 2050 Energy Strategy

# AGENDA

1. Background
2. Guiding Framework (*Presentation & Discussion*)
3. Recommendations (*Discussion*)

# BACKGROUND

- Capital Regional District Board sought guidance on long-term energy opportunities for the region from the Roundtable on the Environment (RTE) (2014)
- Provided “Energy 101” workshop to staff and RTE (2014)
- Delivered a workshop with the Environmental Services Committee (ESC) (June 24, 2015)
- Consulted Climate Action Inter-Municipal Working Group (October 2015)

# WHY IS ENERGY IMPORTANT?

## ECONOMIC

- Energy affects the cost of living, business and government

Year	Approved BC Hydro Rate Increase
2014	9%
2015	6%
2016	4%
2017	3.5%
2018	3%

- Energy conservation and efficiency reduces energy costs and achieves a payback on investment
- Creates jobs in the region & economic development

# WHY IS ENERGY IMPORTANT?

## SOCIAL

- Vital part of our community fabric
- Can enhance social values
- Energy is a regional issue

# WHY IS ENERGY IMPORTANT? ENVIRONMENTAL

- Energy production and use creates environmental impacts
- Clean energy, efficient alternatives

# GUIDING FRAMEWORK





# GUIDING FRAMEWORK



# GUIDING FRAMEWORK



**RECOMMENDATIONS FOR PRINCIPLES,  
VISION AND GOALS**



# PRINCIPLES

Apply long-term “systems” thinking

Contribute to economic vitality

Ensure equity and affordability

Contribute to resilience

Build a collaborative strategy



# VISION

We recommend an artist's rendering of a vision for our energy system in 35 years

Develop as a contest, as a tool for community engagement

The Energy Strategy vision would be articulated by this illustration and the goals



# GOALS

- Reduce Energy Demand
- Transition to Low-impact Energy Sources
- Create a Low Carbon Region
- Demonstrate Corporate Leadership



# LINKAGES WITH BOARD PRIORITIES

GOAL	BOARD PRIORITIES
<b>Demand Reduction</b>	<ul style="list-style-type: none"><li>▪ Climate Change</li><li>▪ Integrated Waste Management</li><li>▪ Active &amp; Multi-Modal Transportation</li><li>▪ Agricultural Land &amp; Food Security</li><li>▪ Economic Development</li><li>▪ Biodiversity &amp; Ecosystem Health</li></ul>
<b>Low-impact Energy</b>	<ul style="list-style-type: none"><li>▪ As above</li></ul>
<b>Low Carbon Region</b>	<ul style="list-style-type: none"><li>▪ Climate Change</li></ul>
<b>Corporate Leadership</b>	<ul style="list-style-type: none"><li>▪ Governance</li><li>▪ Public Engagement &amp; Communications</li></ul>

# ACHIEVING THIS VISION AND GOALS WILL REQUIRE TARGETS AND INITIATIVES IN FOUR INTERCONNECTED AREAS

- Buildings
- Transportation
- Utilities
- Consumer goods



# PAST AND CURRENT INITIATIVES

(Examples of regional and local projects)

- Note: not a comprehensive list

- Corporate and local energy and climate action plans
- Regional Transportation Plan
- Oil to Heat Pump Incentive Program – top-up (current)
- Livesmart BC: Small Business Program (2011 to 2013)
- Time of Sale Home Energy Labelling Pilot (2011)
- Level 2 Electric Vehicle Charging Infrastructure Installation (2012)
- Solar Hot Water Ready Opt-In Regulation (2013 – current)
- Tap by Tap: Multi-Unit Residential Building Regional Program (2013&15)
- Solar CRD (2014 – 2015)
- Multiple municipal corporate projects (fleet and building upgrades)

# RECOMMENDATIONS - SUMMARY



# RECOMMENDATIONS

1. That CRD staff be directed to report on options to develop a 2050 Energy Strategy for the region
2. That the 2050 Energy Strategy:
  - a. Consider the RTE's proposed principles and goals
  - b. Consider the RTE's proposed priority initiatives
3. That funding be provided to support the development of the strategy, including:
  - a. A contest to develop an artist's rendering of a vision for the strategy
  - b. The development and adoption of targets to meet the goals
  - c. Identification of initiatives (through energy and emissions modeling)
4. That the RTE be consulted during the development of the strategy

## Key Considerations

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THANK YOU

**ADDITIONAL SLIDES:  
RECOMMENDATIONS FOR PRIORITY  
INITIATIVES**



# PROPOSED SHORT-TERM INITIATIVES

(2016 TO 2018)

1. Decision-making lens
2. Energy affordability study
3. Energy benchmarking of buildings
4. Policies for zero-carbon mobility
5. Conservation Campaign

# LONG-TERM INITIATIVES

(2018 TO 2050)

Priority initiatives supporting 2050 goals:

1. Energy affordability measures – tax reform
2. Building energy disclosure
3. Regional transportation authority
4. Zero-carbon, district energy utility
5. Built environment retrofit revolving fund