



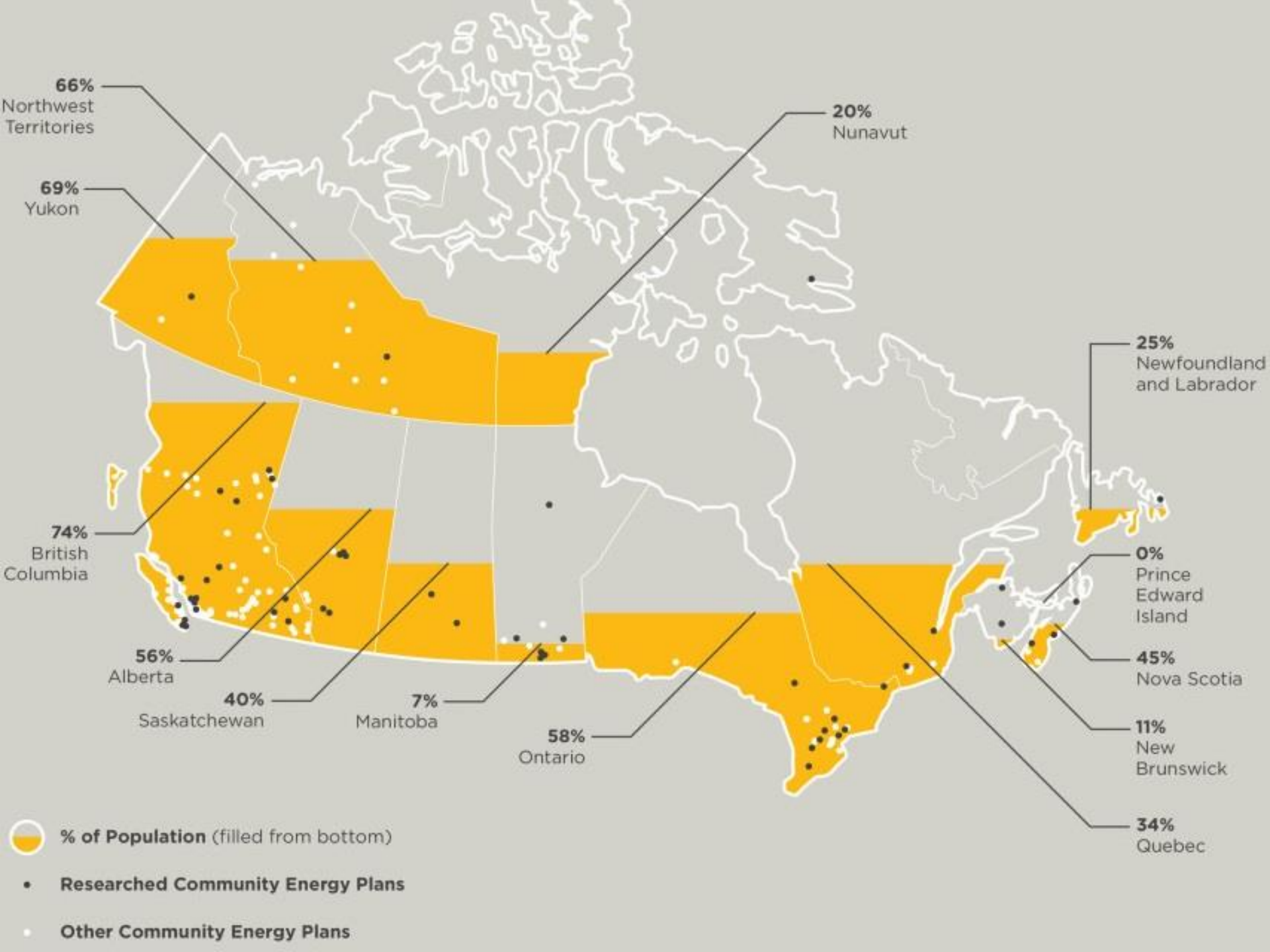
COMMUNITY  
ENERGY PLANNING  
**GETTING TO  
IMPLEMENTATION**  
IN CANADA

# Community Energy Planning: Getting to Implementation in BC

## Opening Remarks

Dale Littlejohn  
Community Energy Association

[www.gettingtoimplementation.ca](http://www.gettingtoimplementation.ca)  
@GTIenergy



# Project Overview

- National, multi-year project
- Focused on building the capacity of Canadian communities to design and implement integrated CEPs
- Significant long-term social, economic and environmental benefits



Quality Urban Energy  
Systems of Tomorrow



Sustainable  
Prosperity

# Project Supporters

THE J.W. McCONNELL  
FAMILY FOUNDATION

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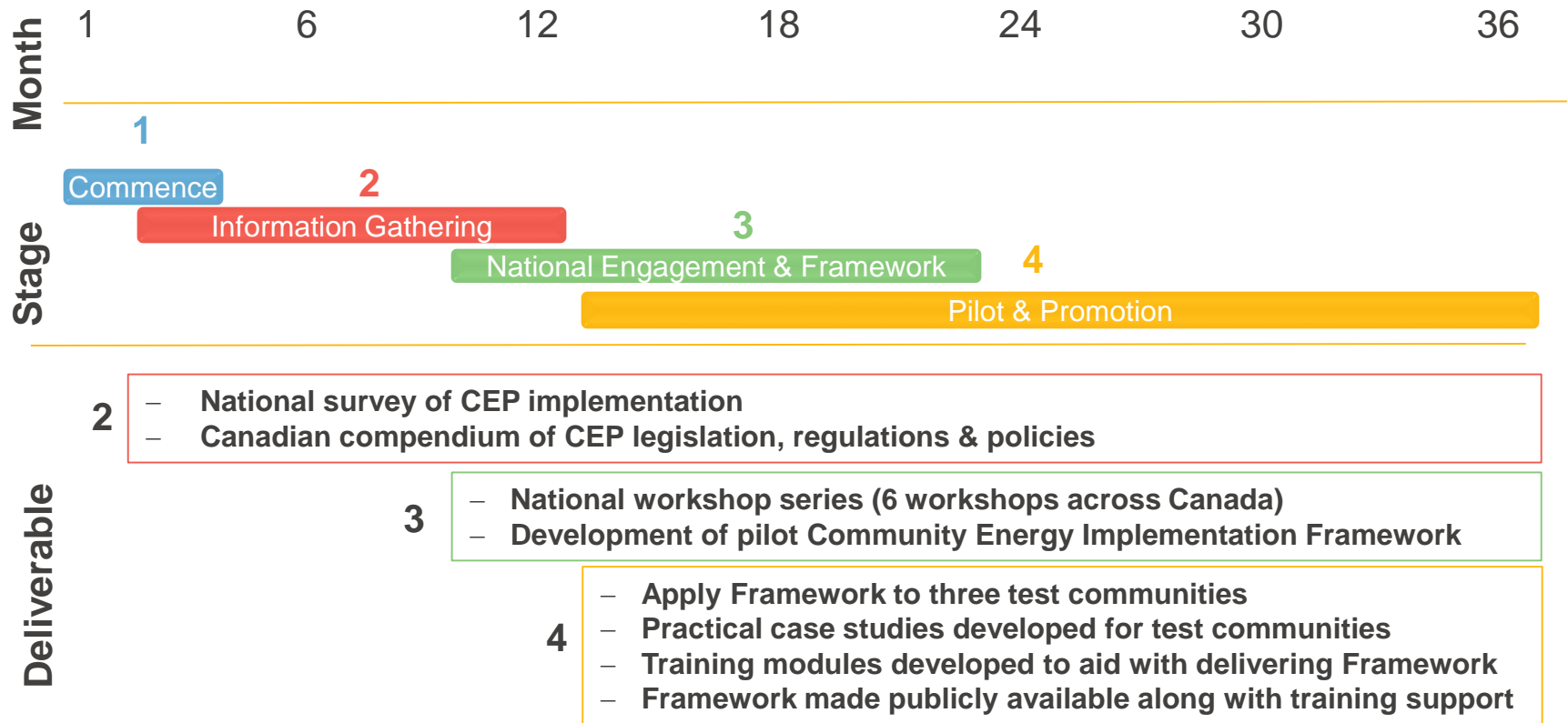
LA FONDATION DE LA  
FAMILLE J.W. McCONNELL



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FOUNDATION

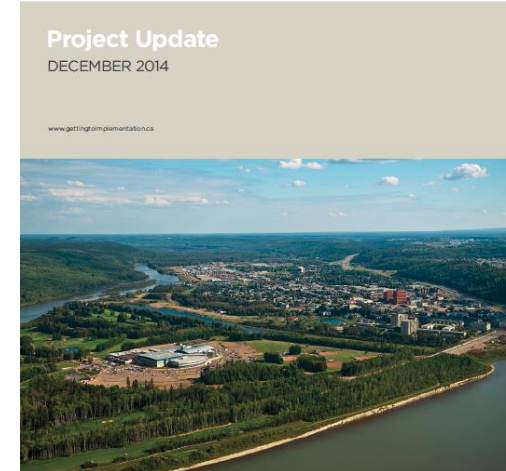


# GTI Approach



# GTI Initial Deliverables

- Canadian Compendium of Community Energy Plan Legislation
- National Report on Community Energy Plan Implementation
- Project Update released
- Reports expected early 2015



# Workshop Overview

- Preliminary findings from GTI research
- Interactive roundtable discussions:
  - Integrating CEPs into Local Gov. Processes
  - Energy Efficiency in Existing Buildings
  - Planning and Policy: Smart Growth
  - Public Transit and Active Transportation
  - Electric Vehicles and Infrastructure
  - District Energy
- Plenary discussion



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# Provincial/Territorial Scan of Legislation, Policies and Programs

Preliminary Findings from the Getting to  
Implementation Initiative

Patricia Bell  
Community Energy Association

[www.gettingtoimplementation.ca](http://www.gettingtoimplementation.ca)  
@GTIenergy



# Canadian Compendium of CEP Legislation

- Review of provincial legislative, regulatory, policy and incentive programs that support community energy planning and implementation

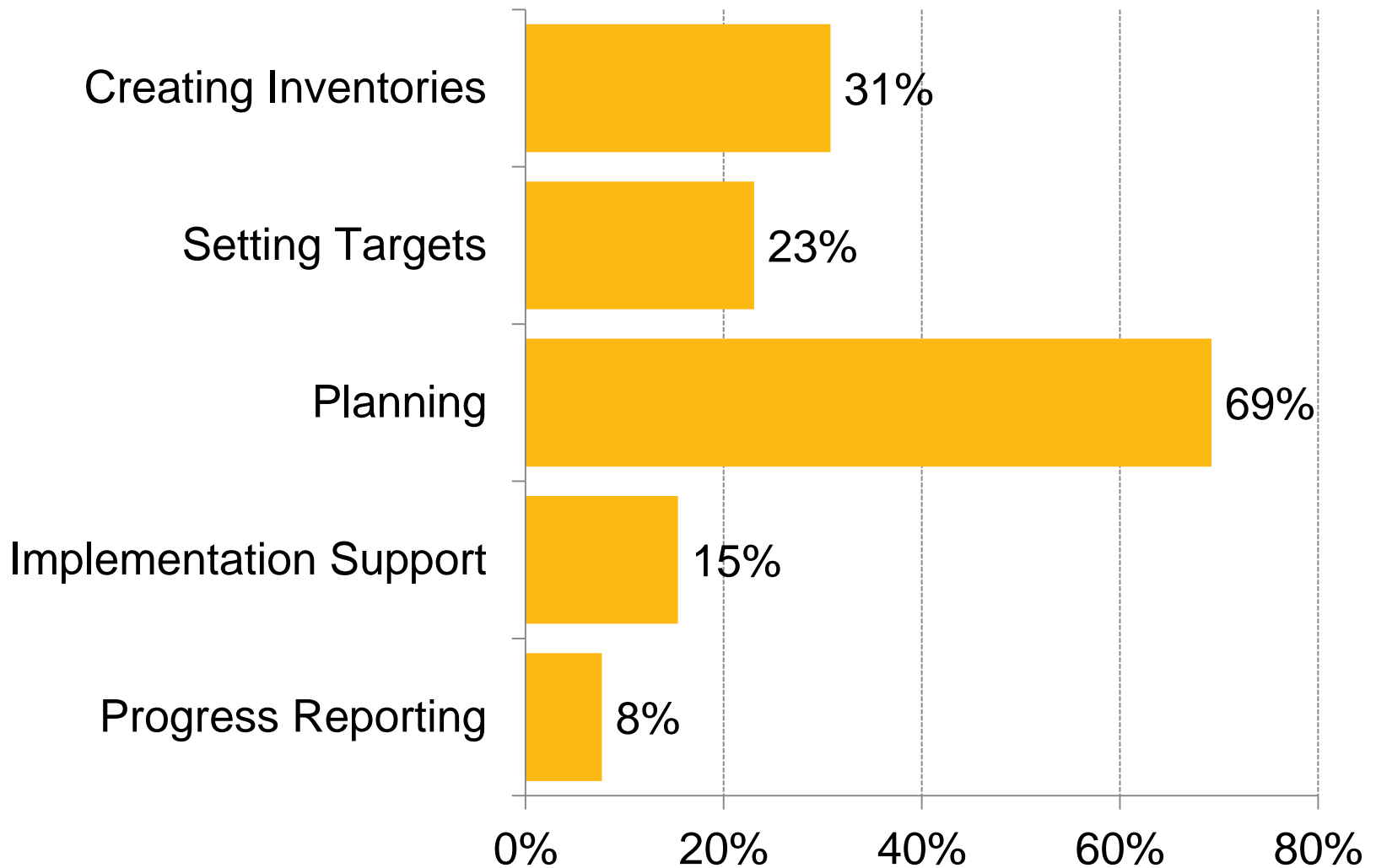
Compile list of program types:

- Funding
- Research
- Capacity building
- Partnerships

Assess overall support for:

- Inventories and planning
- Energy efficiency
- Renewable electricity
- Renewable heat
- Thermal policy
- Low carbon transportation etc.

# Provinces/Territories Supporting FCM Partners for Climate Protection Milestones



# Financial Support

**All Provinces:**  
Residential retrofits

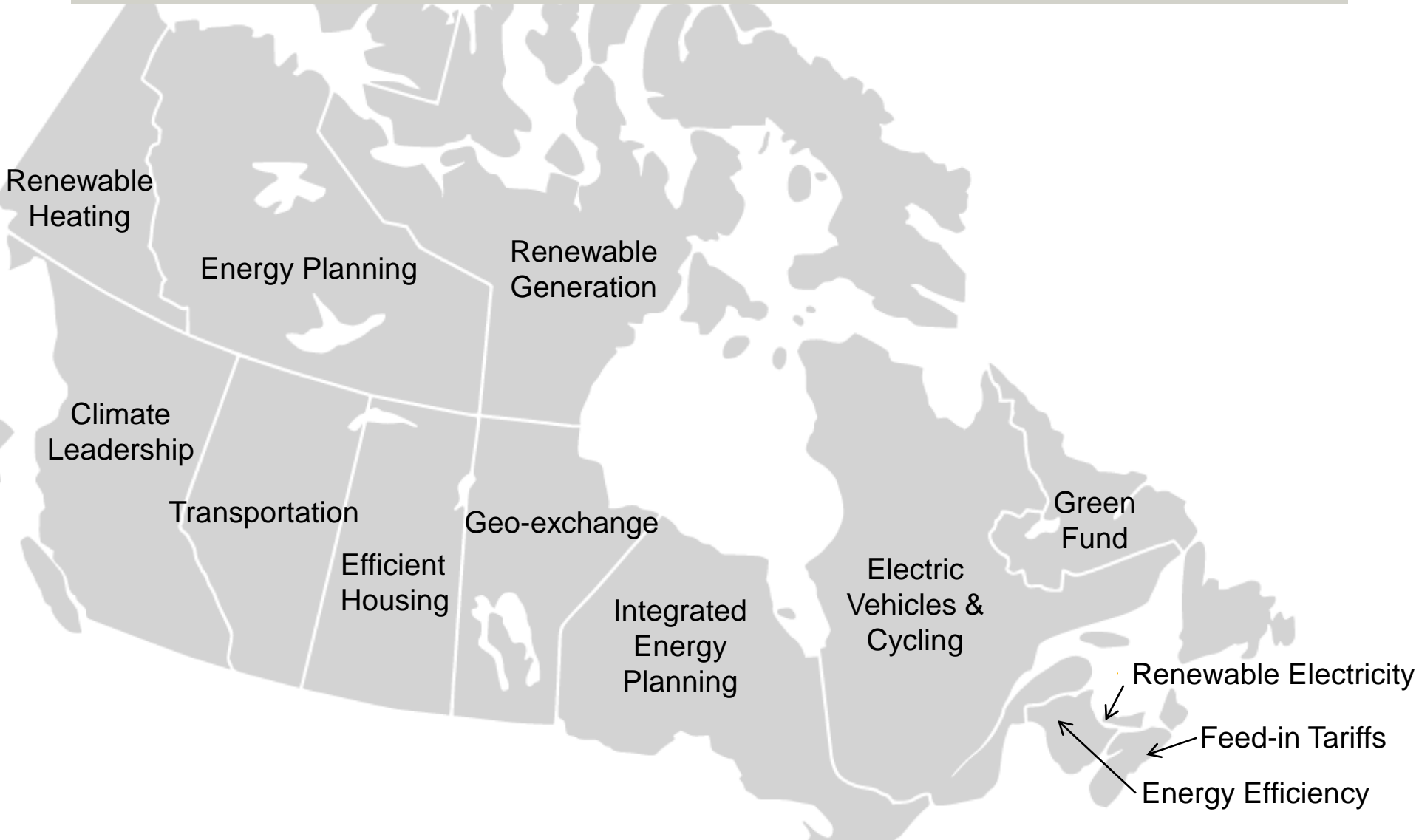
**Most Provinces:**  
Renewable electricity, geo-exchange, biomass, transit and active transportation

Funding  
Programs

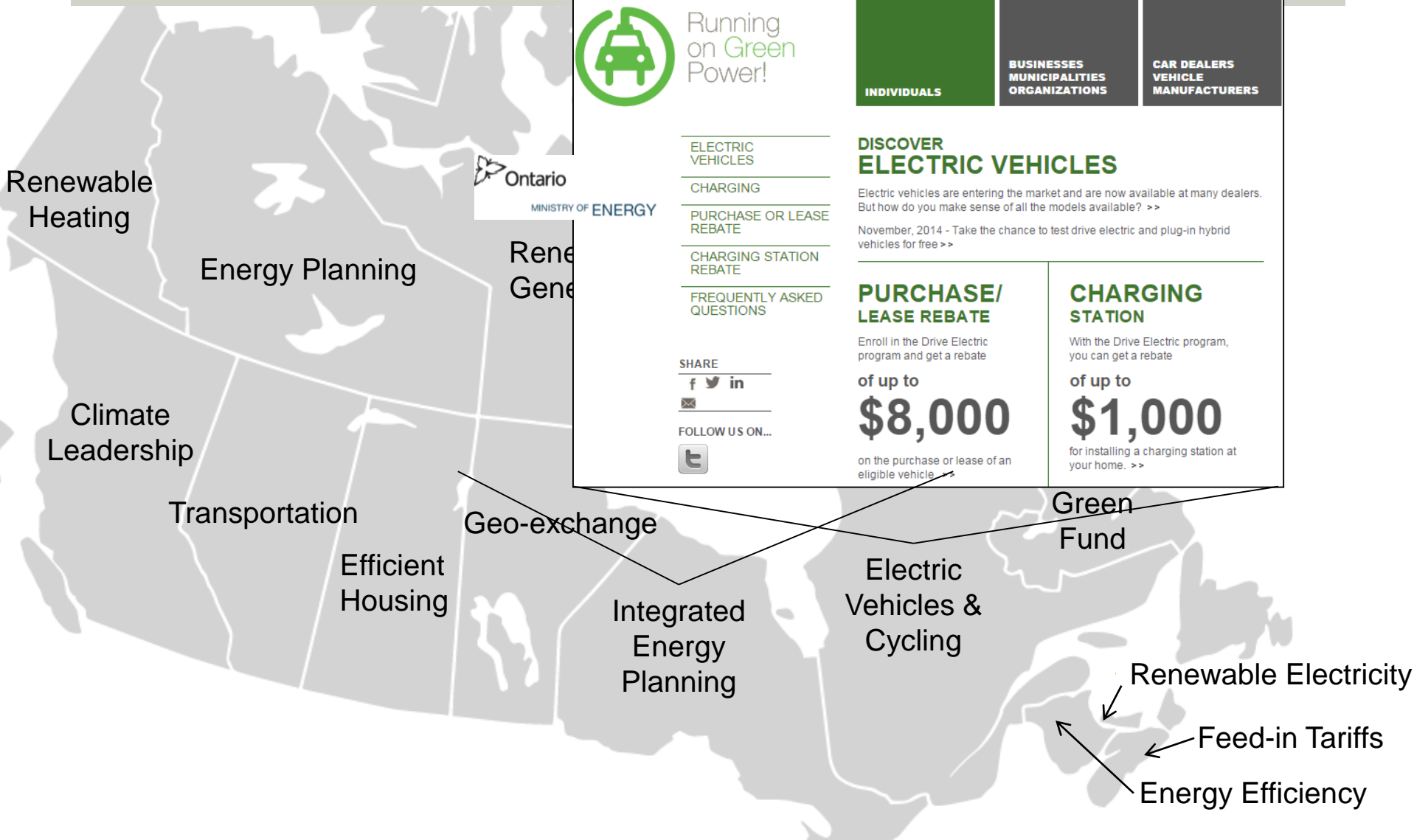
**Some Provinces:**  
Planning, district heat, organic diversion, Smart Growth, EV or hybrid support, net metering

**Hardly Any Provinces:**  
Inventories and targets, innovative financing, carbon pricing, carbon neutral requirements

# Context and Examples



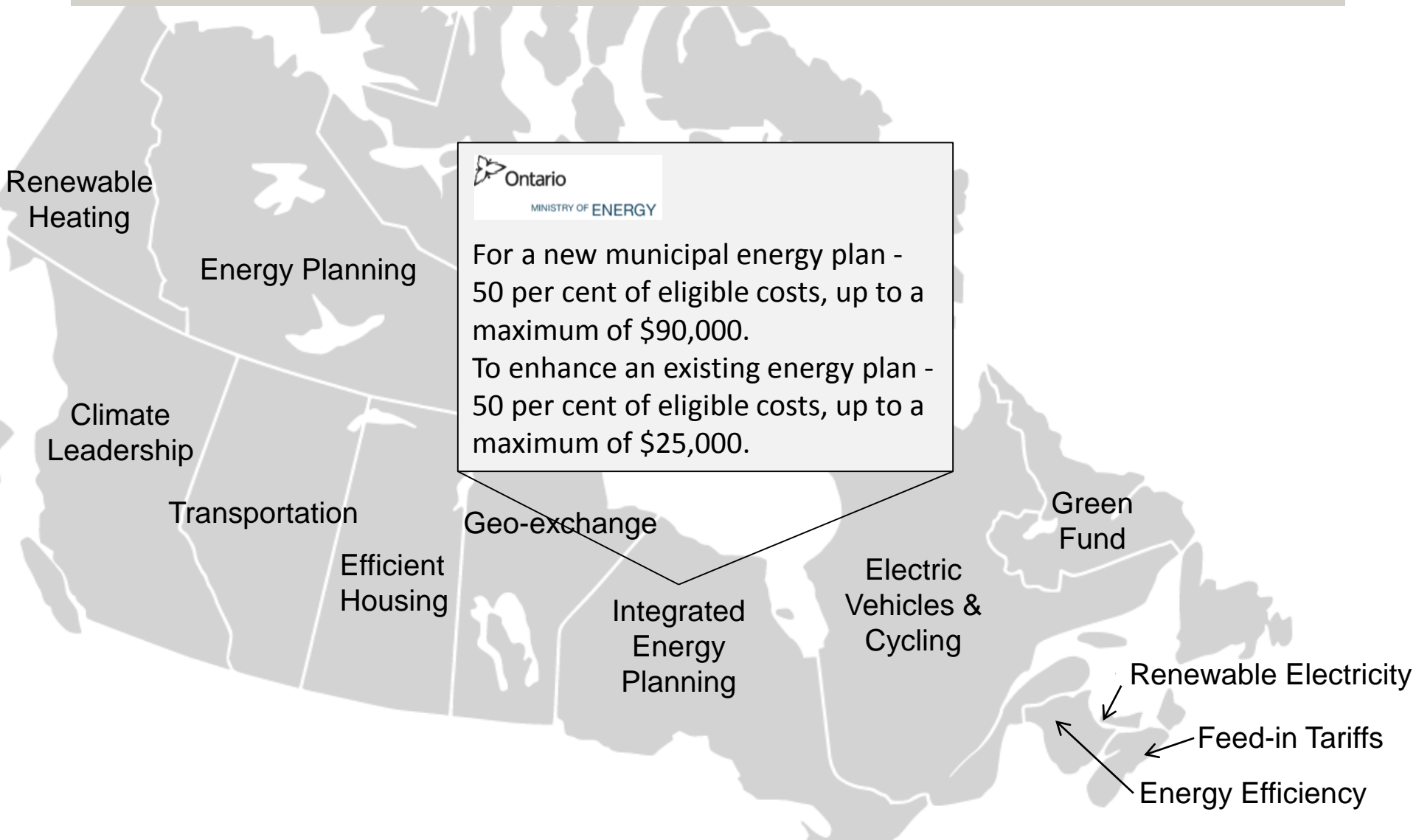
# Context and Examples



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# and Examples

## Helping Albertans travel in ways they couldn't before

**City of Edmonton – \$497 million**  
(projected to be under budget)  
Moving transit riders on new Metro LRT line

**Strathcona County – \$13.6 million**  
Building new transit centre with 1,200 parking stalls

**City of Calgary – \$473 million**  
New C-Train moving more than 40,000 passengers a day

**City of Lethbridge – \$6.1 million**  
Providing riders with 15 hybrid low-floor and para-transit buses



Leadership

Transportation

Geo-exchange

Efficient Housing

Integrated Energy Planning

Electric Vehicles & Cycling

Green Fund

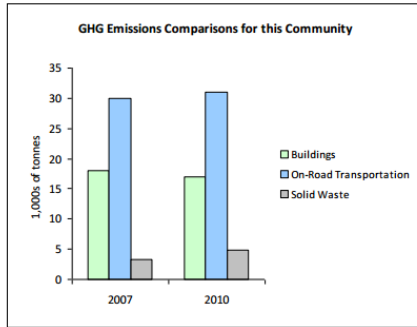
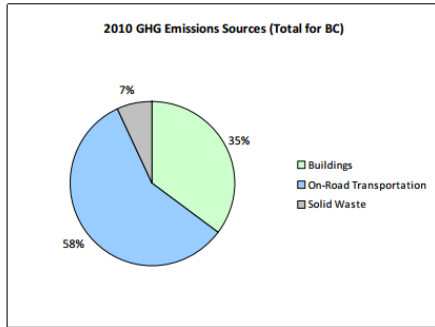
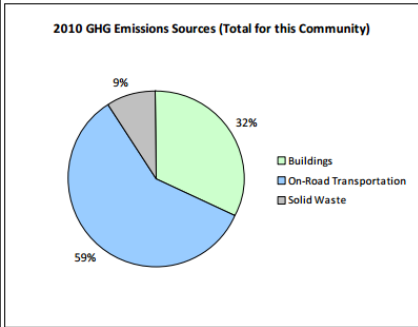
Renewable Electricity

Feed-in Tariffs

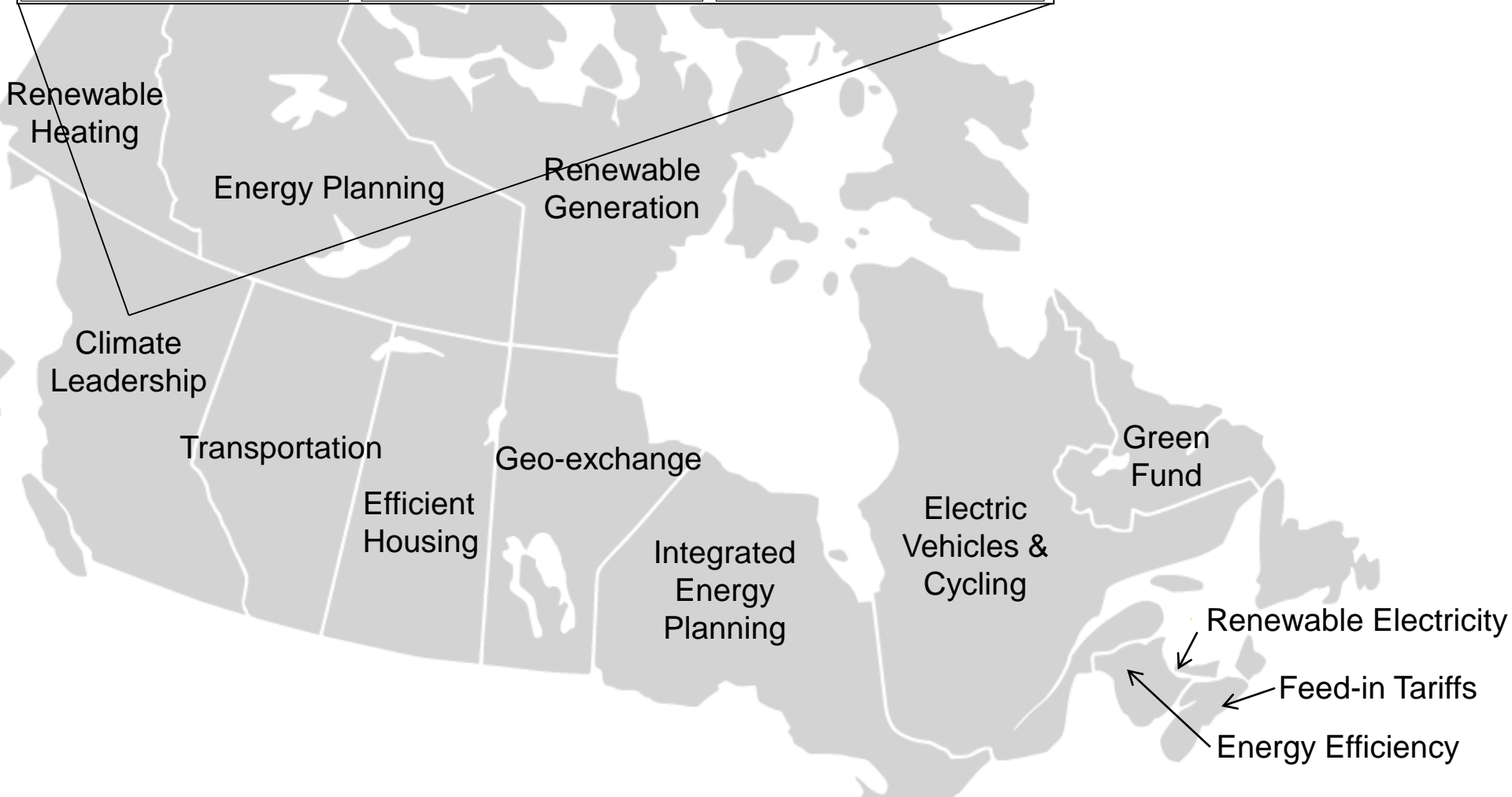
Energy Efficiency



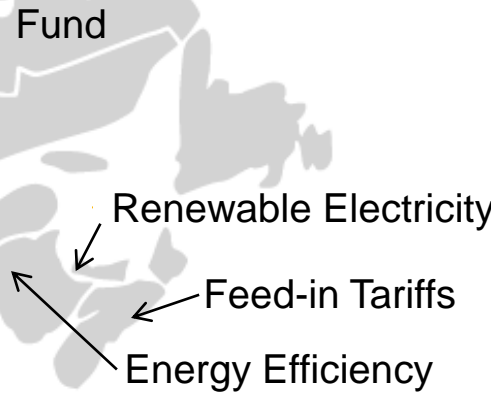
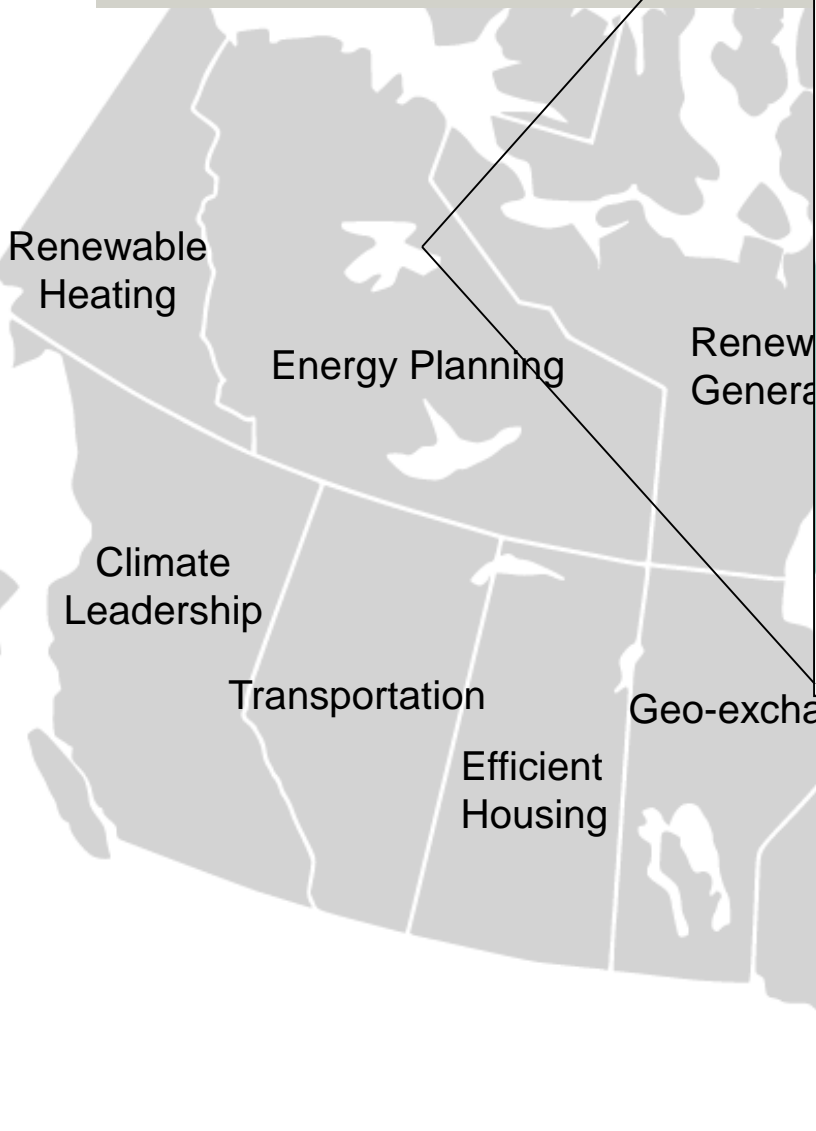
*Monitoring and reporting on progress towards greenhouse gas emissions reduction targets*



les



# Context



# Next Steps

1. Review/confirm research data
2. Analyse provincial support against:
  - CEP implementation success
  - Provincial GHG gas reductions
  - PCP milestones achieved
  - Energy spending
  - Penetration of renewable energy technologies
3. Review relevant examples from US and Europe
4. Release final report: *Canadian Compendium of Community Energy Plan Legislation* (Q1,2015)



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# Community Energy Planning Research

Preliminary Findings from the  
Getting to Implementation Initiative

Peter Robinson,  
Community Energy Association

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@GTIenergy

# National Report on CEP Implementation

## Objectives:

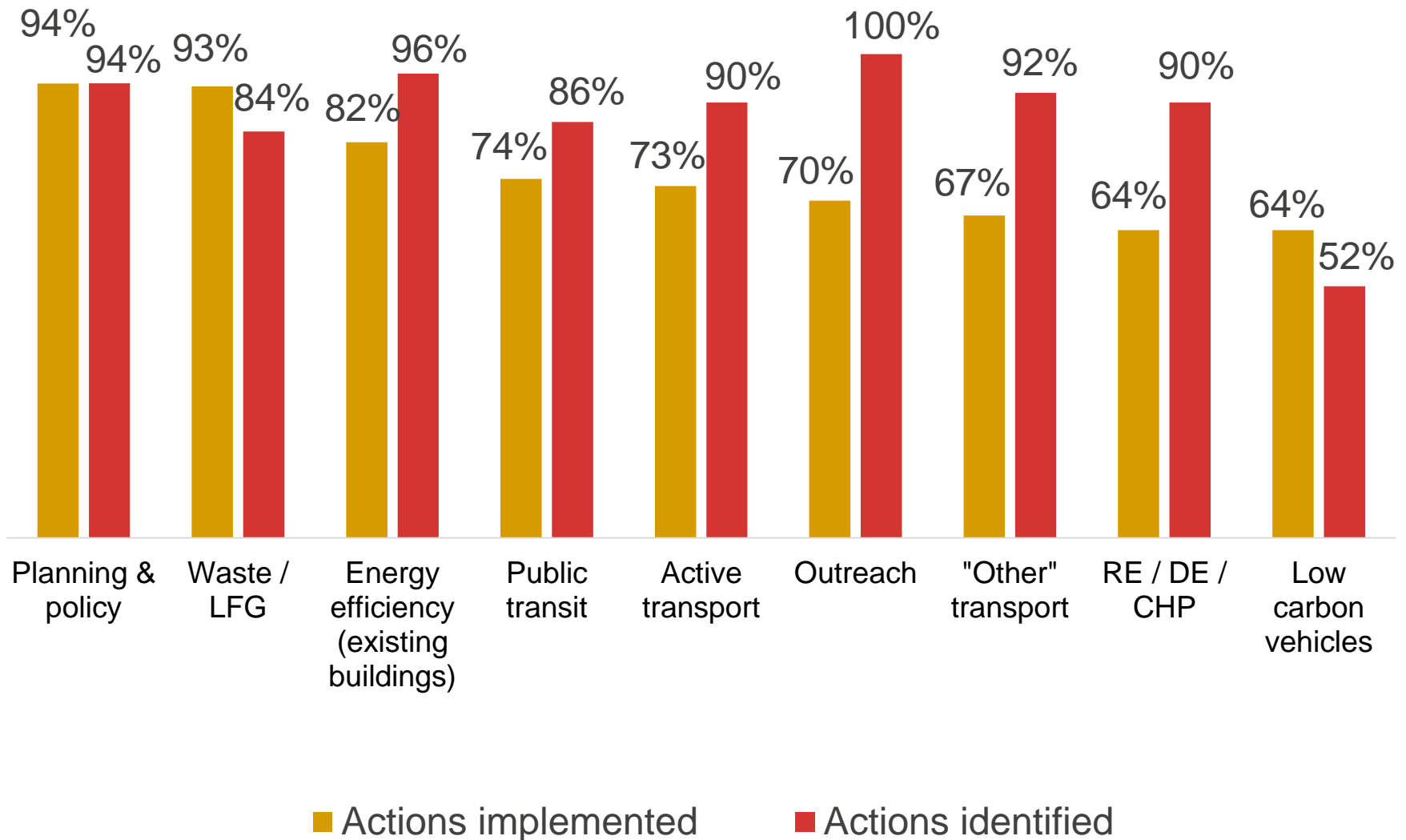
- Assess current status of CEPs in Canada
- Identify success factors and barriers
- Identify how GTI project can help implementation

# National Report on CEP Implementation

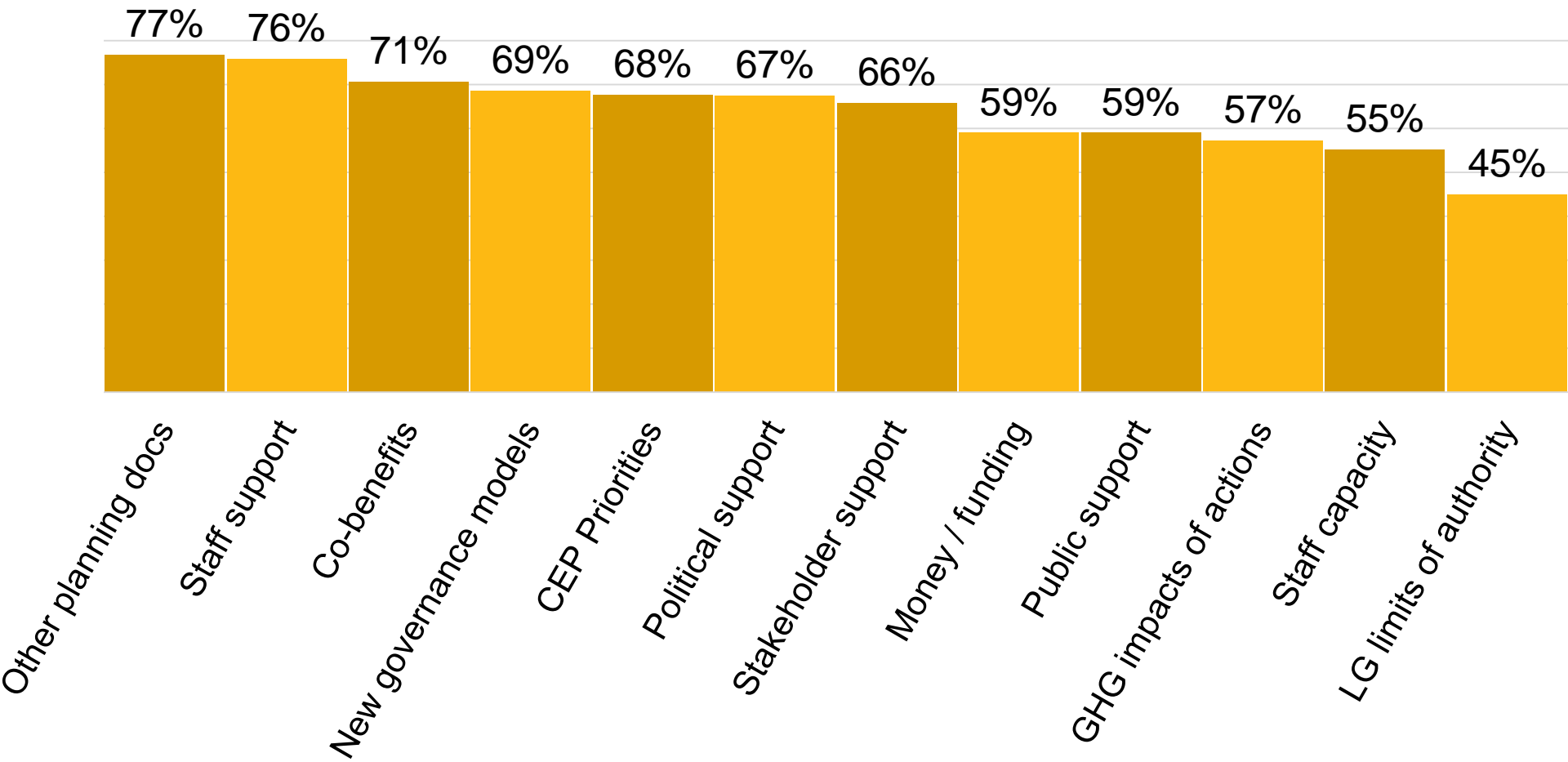
Progress to date:

- Identified 170 CEPs across Canada
- Reviewed 50 CEPs
- Conducted 33 interviews
- Early stage analysis

# Actions Identified vs. Actions Implemented in CEPs

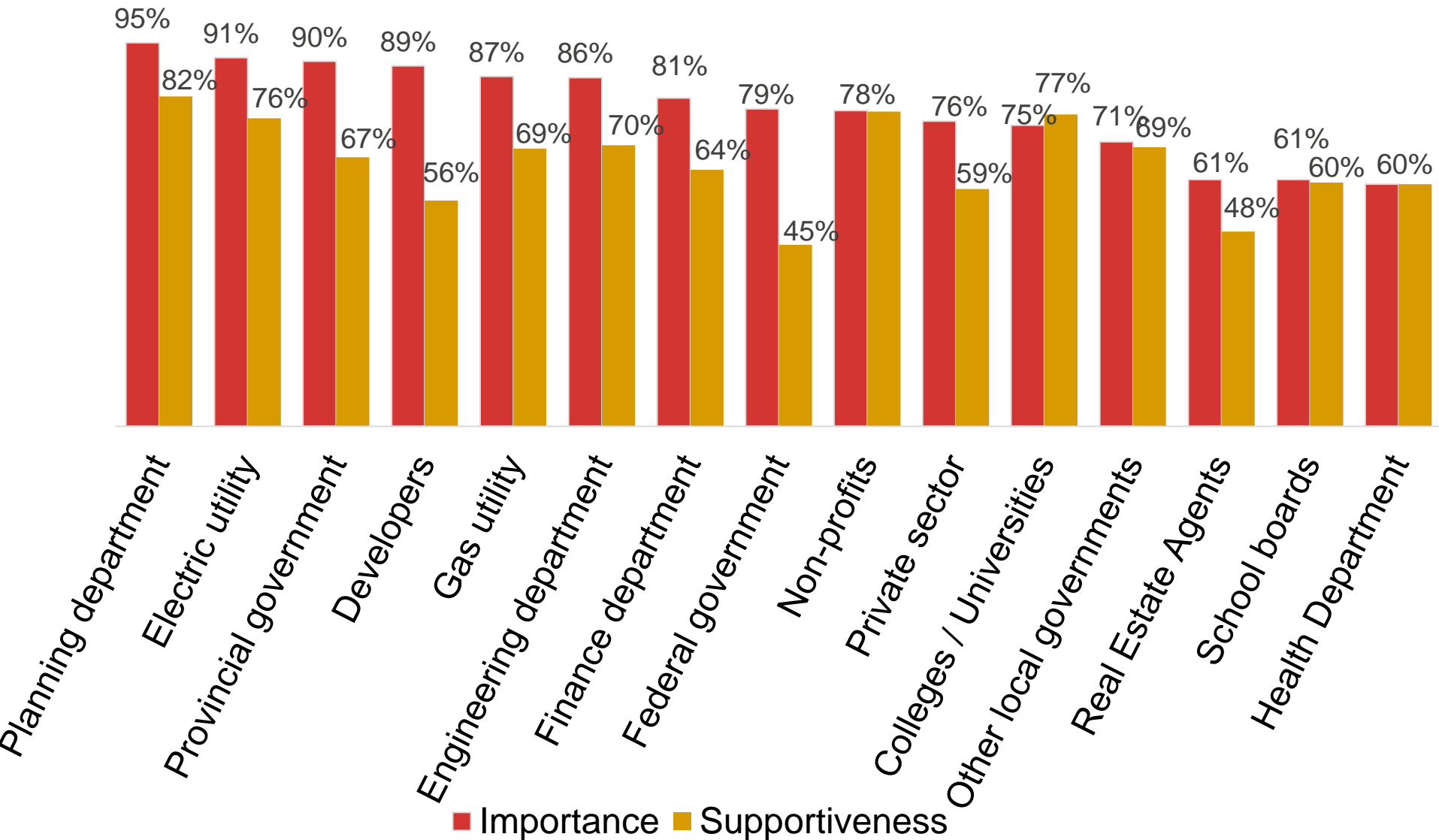


# Factors Supporting CEP Implementation





# Stakeholder Support vs. Importance for CEP Implementation



# Early Stage Recommendations

## Challenges

## Recommendations

Political / staff support

- Focus on co-benefits
- Identify / develop champions
- Have early successes

CEP loses priority

- Accountability
- Incorporation into local government processes
- Sufficient staff resources

Local government limits of authority

- Help from provincial / territorial governments

Private / real estate sector

- Finding actions that work from their perspective
- Involving them early in discussions

Making deeper reductions after easy ones

- Rigorous energy and emissions data to support decision making

# Next Steps

1. Review/confirm research data
2. Identify:
  - High, medium and low performing CEPs
  - Factors driving or acting as barriers to implementation
  - Recommendations to accelerate implementation
3. Release final report: *National Report of CEP Implementation* (Q1,2015)

# Roundtable Discussions

- 70 minutes
- Facilitator and note-taker at each table
- Interactive discussion focused on:
  - The role and level of engagement of local government departments, utilities, developers, real estate agents and other key collaborators in the implementation of CEPs
  - How to align stakeholder business models to implement CEPs



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Project partners



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