



The Road to Zero

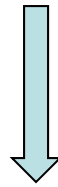
Accelerating Land Use and Transportation Policies and Infrastructure in the Capital Region to take Effective Action on Climate Change

CRD

Making a difference...together

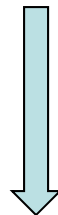
Setting the Stage

Regional Growth Strategy – RGS (2003)



Link to municipalities is the
Regional Context Statement
in their OCPs

5 Year RGS Review (2010)



Transitions to..

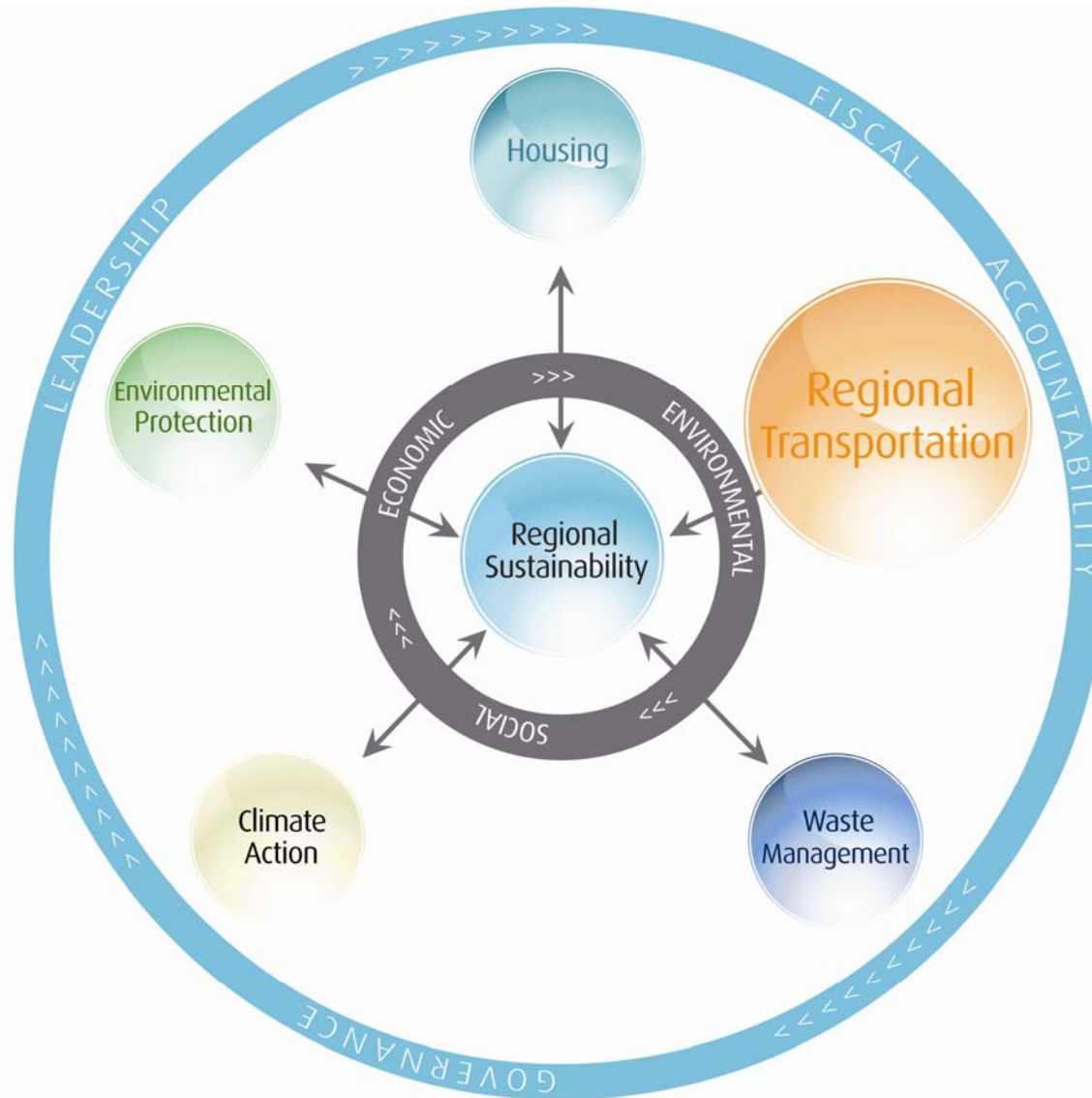
Regional Sustainability Strategy (2011)



RSS = (RGS 2.0)



Board Focus



Both
Transportation
and Climate
Action are key
strategic
priorities for the
CRD Board



Growth Patterns in the Region

- 
- Almost **50%** of residents live in single-family homes
 - Demographic changes: By 2038 a total of 111,000 new residents, of which 75,000 will be **65+ years** of age
 - Overall increase from 17% to **29%** of total population



More Fun Stats

1.2 Million No. of trips taken by CRD residents each day

3.6 Average no. of trips per day, per person

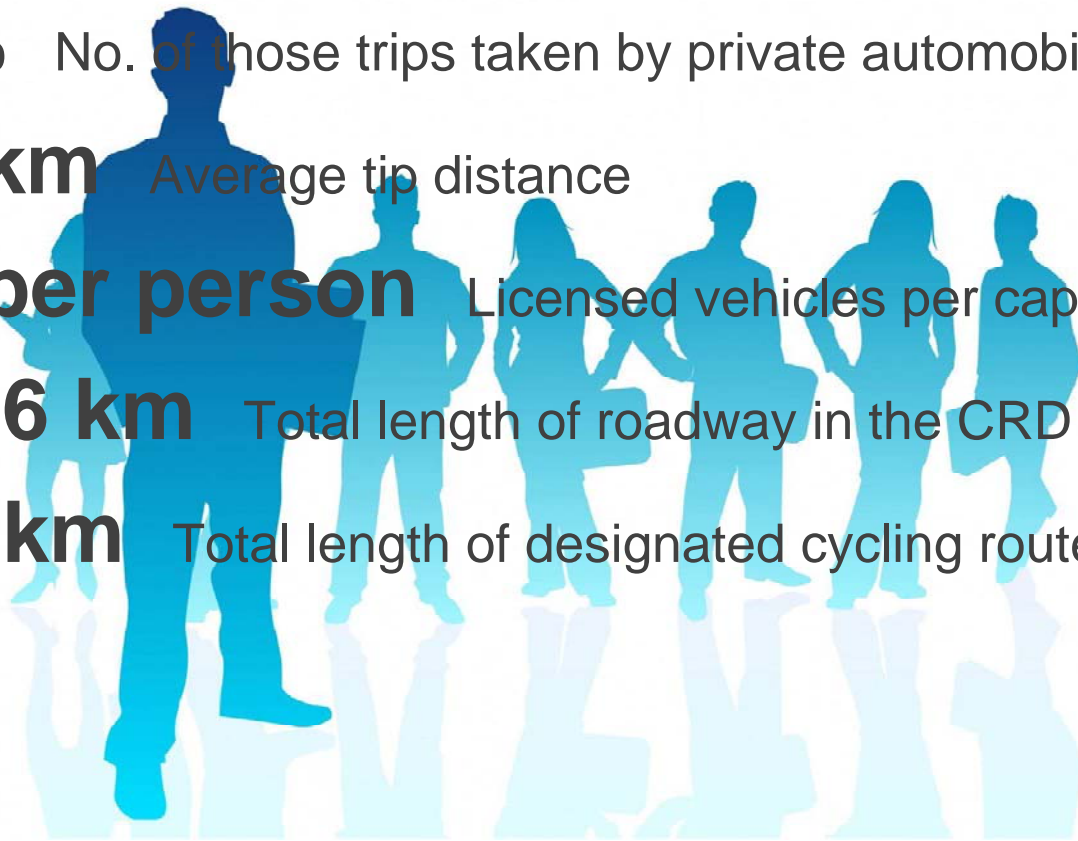
78% No. of those trips taken by private automobile

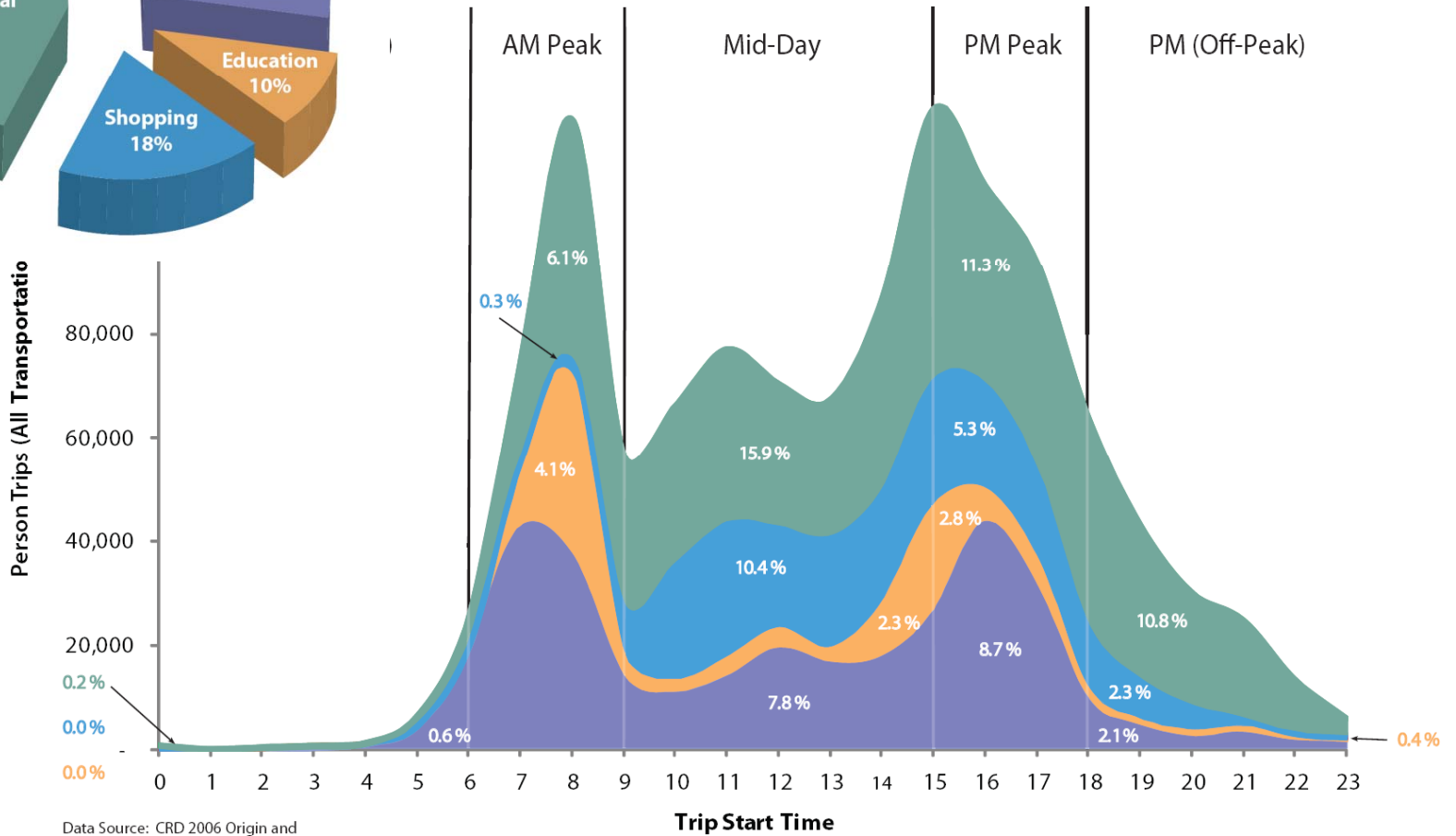
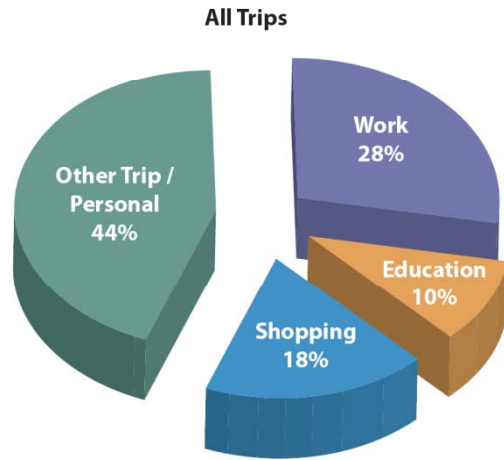
5.6 km Average trip distance

.72 per person Licensed vehicles per capita

2,836 km Total length of roadway in the CRD

475 km Total length of designated cycling routes and bike lanes

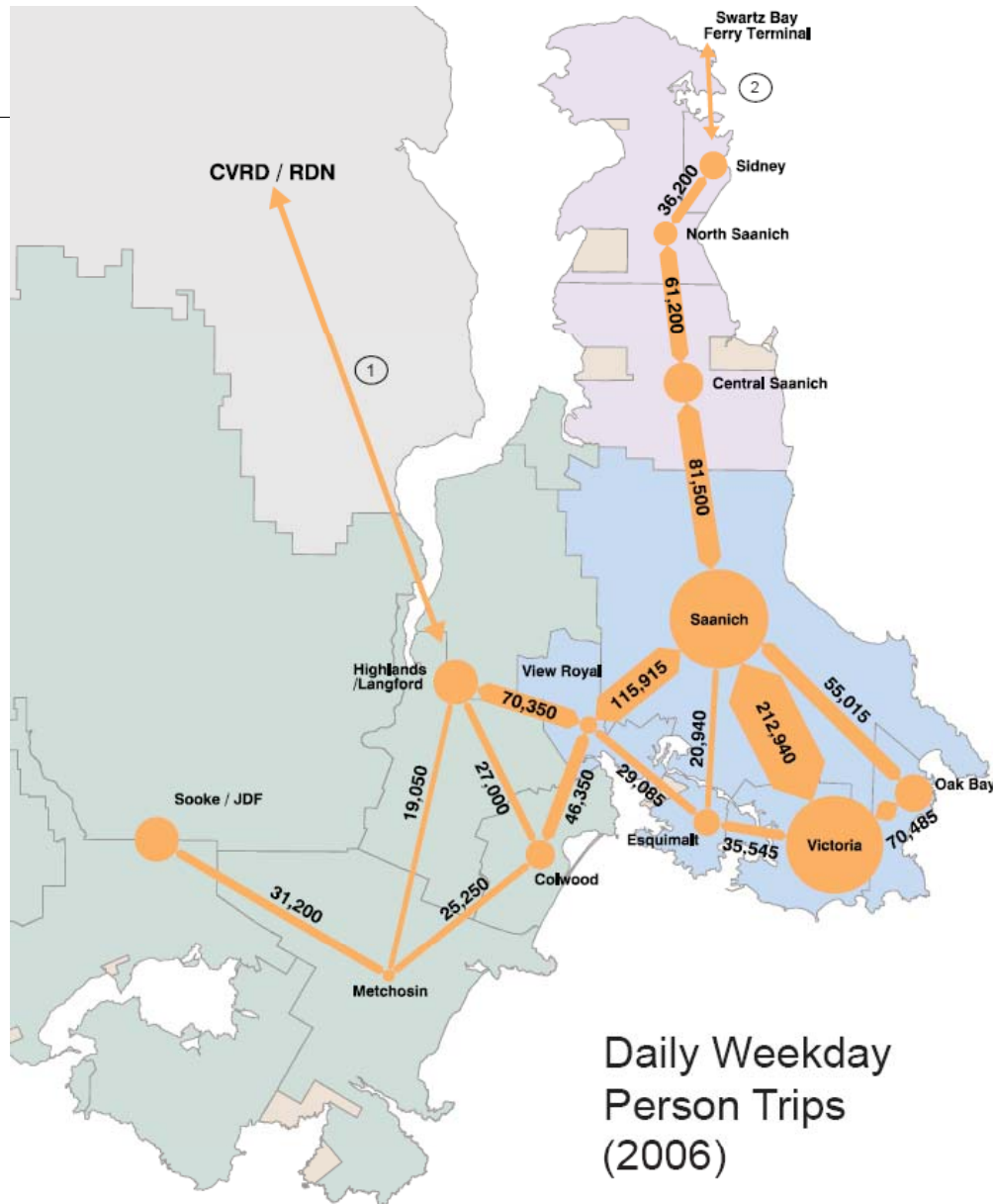




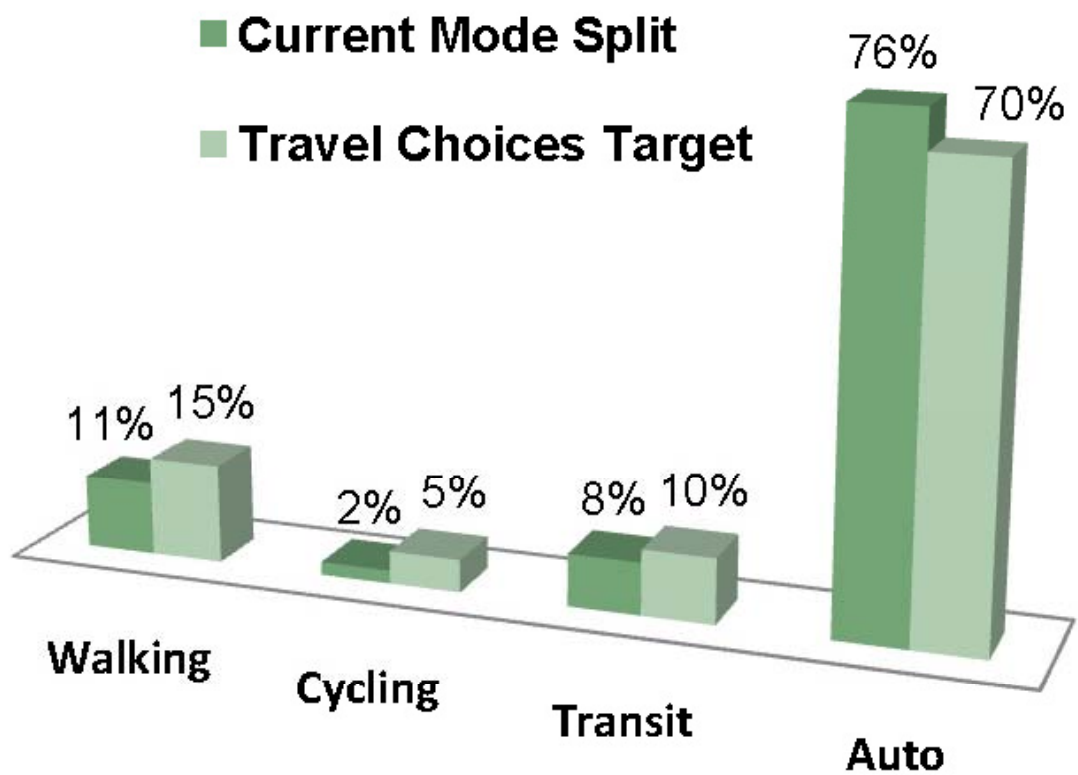
Data Source: CRD 2006 Origin and Destination Household Travel Survey

Updated Apr 13 /09





Current "targets" are very modest



Provincial Sustainability “Drivers”

- **Climate Change Legislation**

- Bill 27: Local Government (Green Communities) Statutes Amendment Act, 2008
- Bill 44: Greenhouse Gas Reduction Targets Act, 2008
- BC Climate Action Charter - Collaborative approaches to municipal carbon neutrality by 2012.

- **Regional Growth Strategies and Official Community Plans**

- Adaptive and mitigating policies and actions in response to climate change
- Include GHG reduction targets and measures to achieve carbon neutrality

- **Provincial Transit Plan, 2008**

BC Transit and the MoTI implementation of Provincial GHG Reduction directives.

- Increase transit ridership and transit mode share
- Reduce GHG emissions
- Support Transit Oriented Development (TOD)



Three Regional Initiatives



- **Corridor Management**

- A coordinated regional approach to managing the network



- **Regional Pedestrian and Cycling Masterplan**

- Improving conditions for active modes



- **Transportation Demand Management (TDM) Strategy**

- Policies, programming that will help shift modes - like car sharing and e-working!



Victoria Regional Transit Master Plan

Main Purpose

- A 25-year vision for transit in the region

Objectives and Deliverables

- **Link Regional Growth Centres**
 - Identified by the CRD *Regional Growth Strategy & Official Community Plans*
- **Support Transit Oriented Development Principles**
 - Increase densities & employment at major transit hubs & exchanges
 - Improved transition between modes
- **Identify and assess key regional corridors**
 - *Victoria Regional Rapid Transit Project:* alignment and technology options between Westshore and Core Area
 - Rapid Bus routes to be selected



E & N Railway – Island Corridor Foundation

Main Purpose

- To preserve and use the E&N Corridor in perpetuity, as one continuous corridor to connect Island communities

Regional Benefits

- Expand multi-purpose use within the corridor, connect to services beyond, and enhance freight and commuter rail service

Feasibility Study

- Funded by the Ministry of Transportation and Infrastructure to assess the viability of rail passenger and freight services on the corridor



Climate Action Targets, Policies & Actions

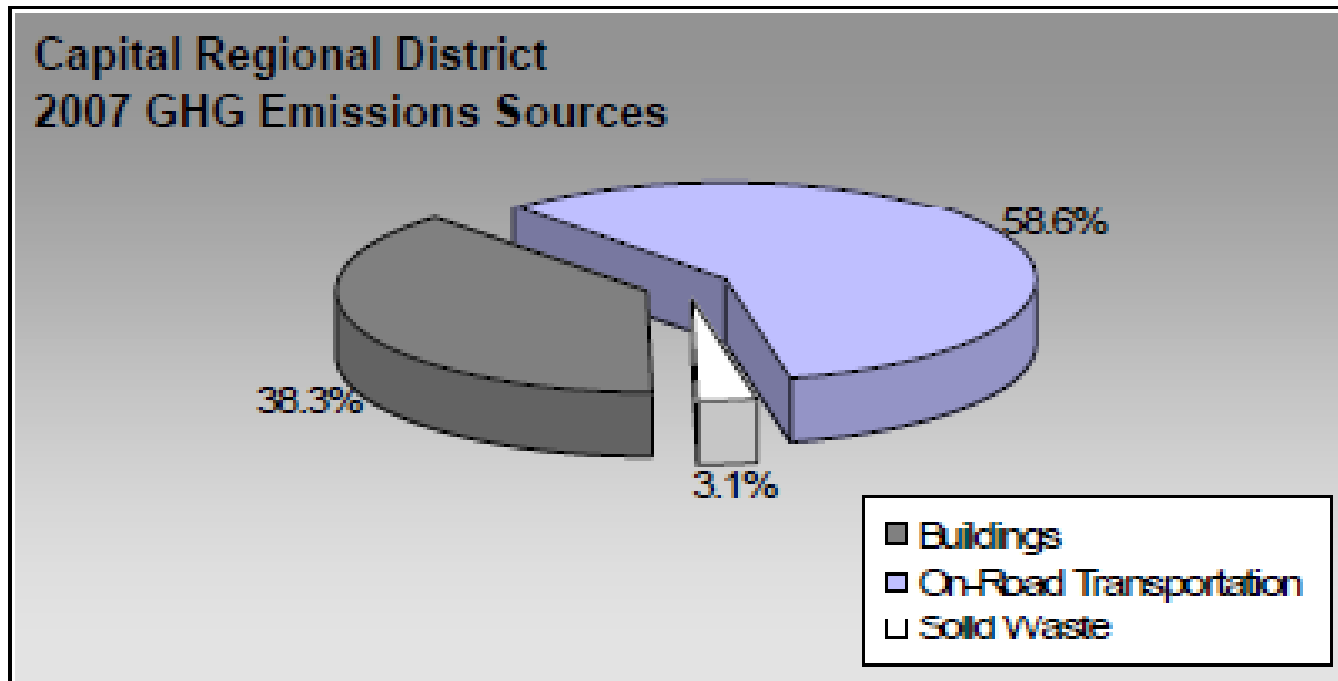
Bill 27

- Offers a whole new lens to urban and rural land use, development, and planning.
- Ambitious targets have been set – current focus on developing and implementing strategies, policies and programs.
- Significant appetite across the region for better land use and integrated transportation solutions, among other things.



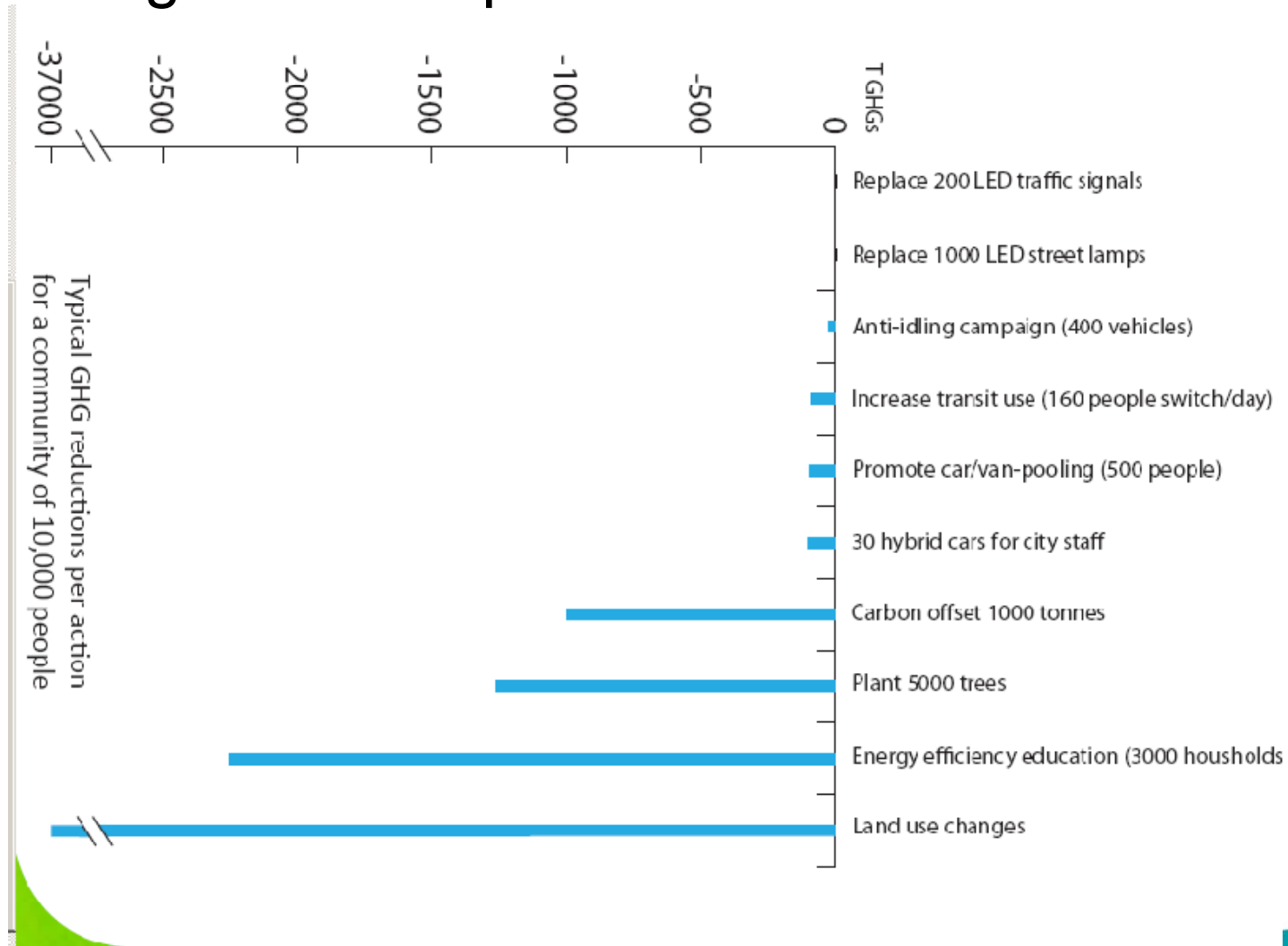
Biggest Source of GHGs

- Transportation (58.6% in the CRD)

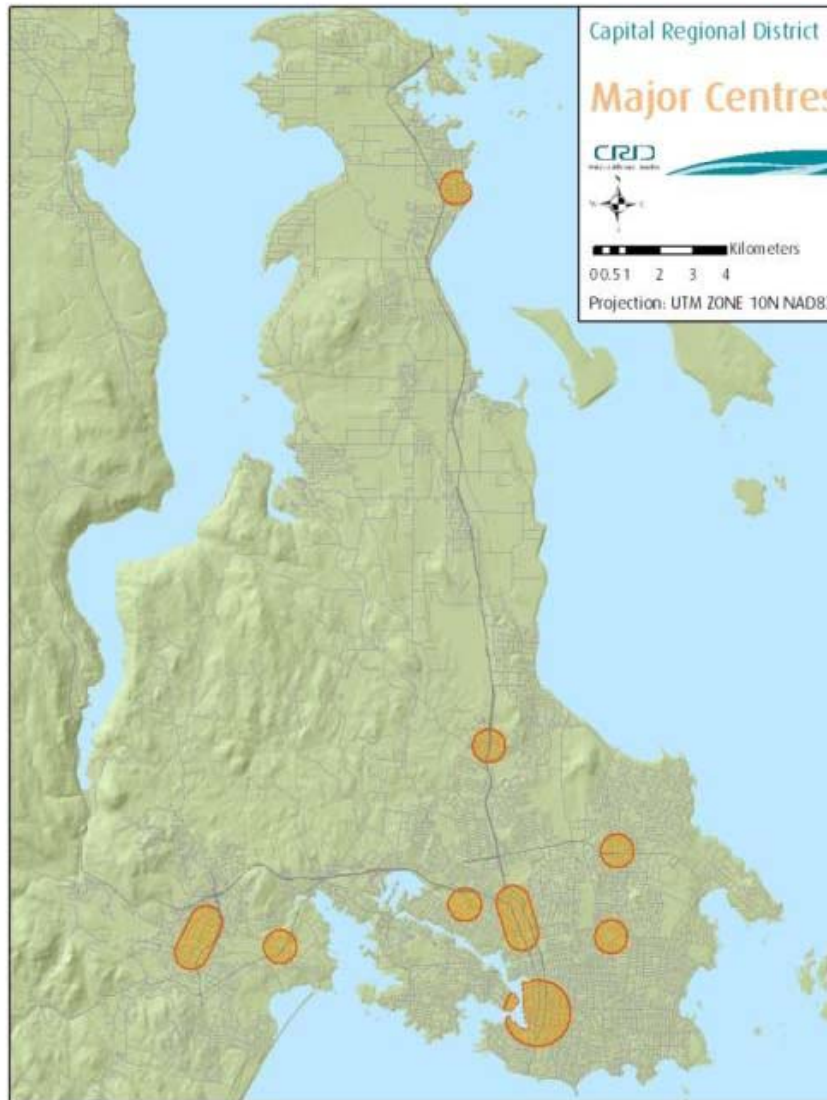


Land Use Connection

- Most significant impact on GHG reduction



Regional Centres



Metro Core
Uptown/Mayfair
Colwood
Langford
Tillicum
Mackenzie/Shelbourne
Hillside
Royal Oak
Sidney



ROAD TO ZERO

Big Question:

- If we all do what we say we'll do, will we achieve our targets?



Enter: Road to Zero



Road to Zero is:

- A process to identify and implement the most effective land-use and transportation solutions for reducing GHG emissions in the capital region.
- An opportunity to ground truth our goals, objectives and intentions through research, modelling and policy recommendations



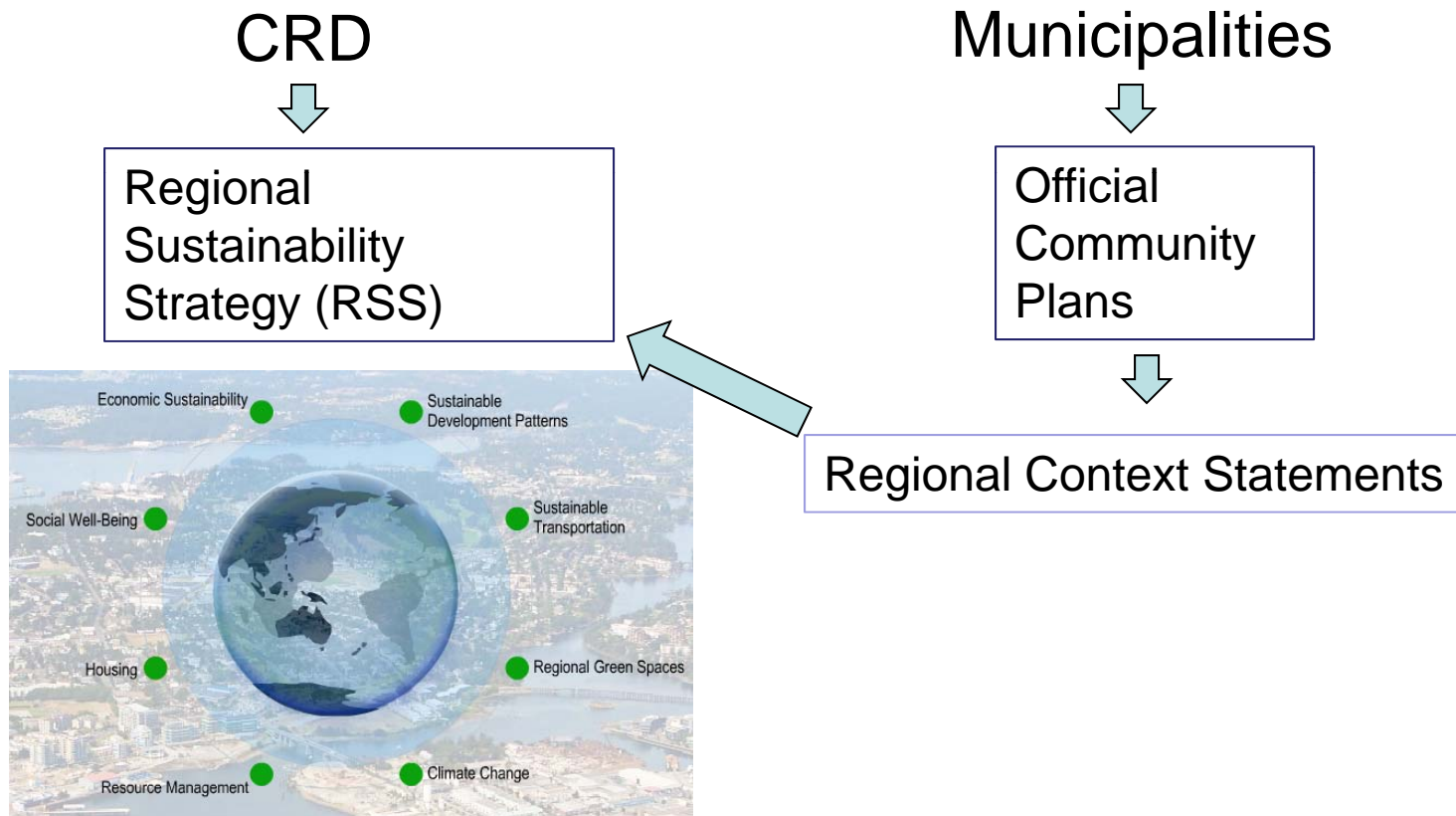
Road to Zero is:

- Develop policies that can be imbedded into the RSS



Road to Zero is:

- Develop policies that can be imbedded into the RSS



Road to Zero is:

- Develop policies that can be imbedded into the RSS

CRD



Regional
Sustainability
Strategy (RSS)



Road to Zero is:

- Develop policies that can be imbedded into the RSS

CRD



Regional
Sustainability
Strategy (RSS)

Municipalities

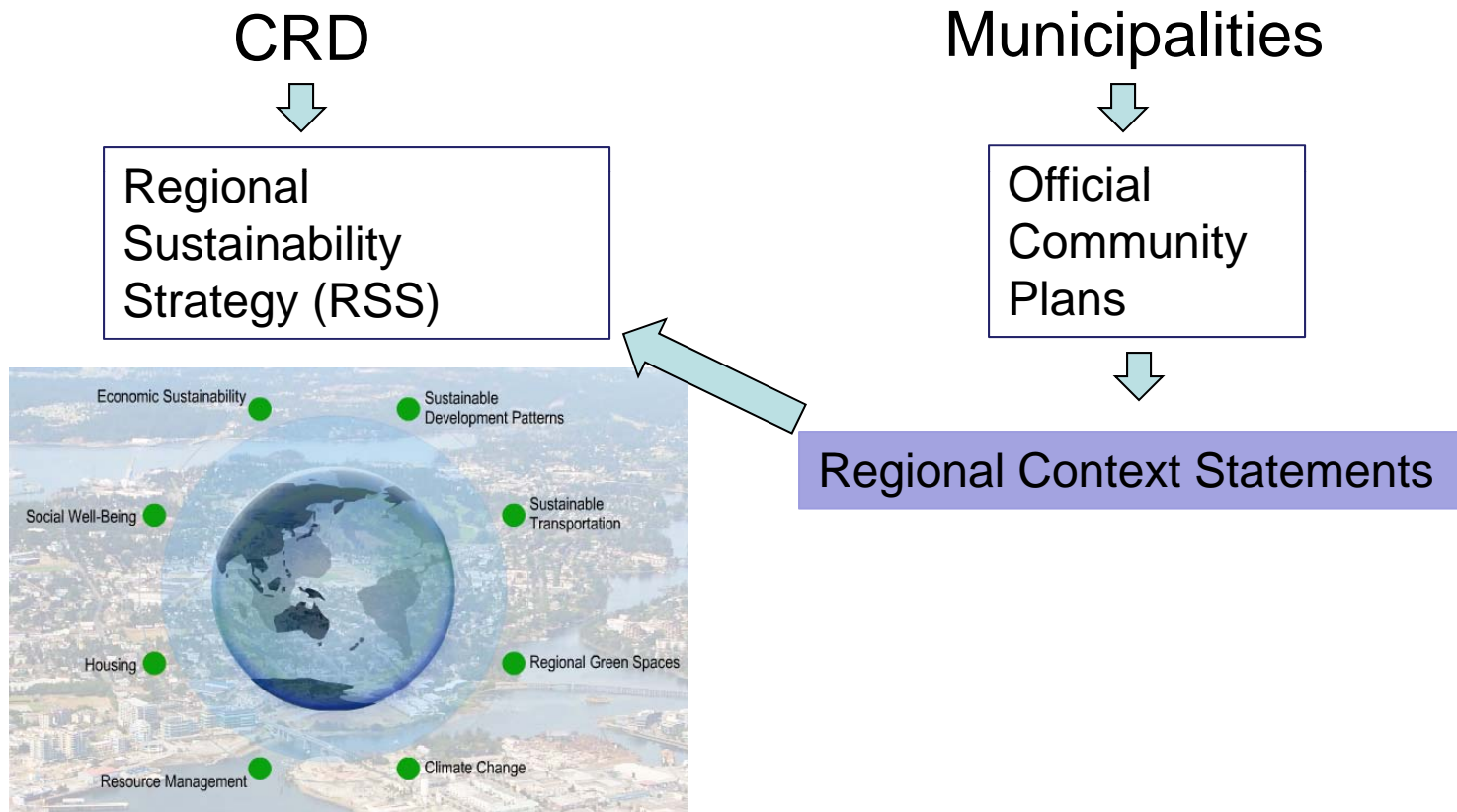


Official
Community
Plans



Road to Zero is:

- Develop policies that can be imbedded into the RSS

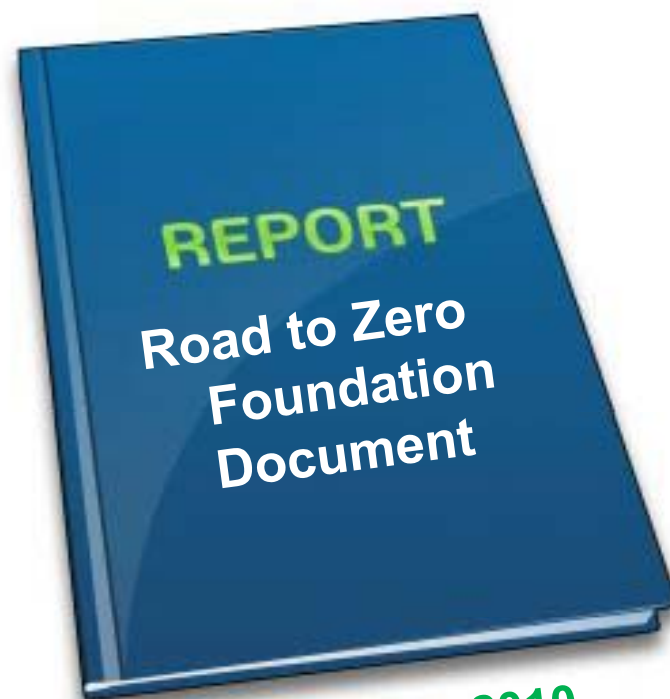


- **Collaborative Process**
 - Community Energy Association
 - Environment Canada
 - Capital Regional District
 - Regional Planning & Climate Action
 - Ministry of Transportation and Infrastructure
 - BC Transit
 - Modeling assistance from Sustainability Solutions Group



Phased Approach:

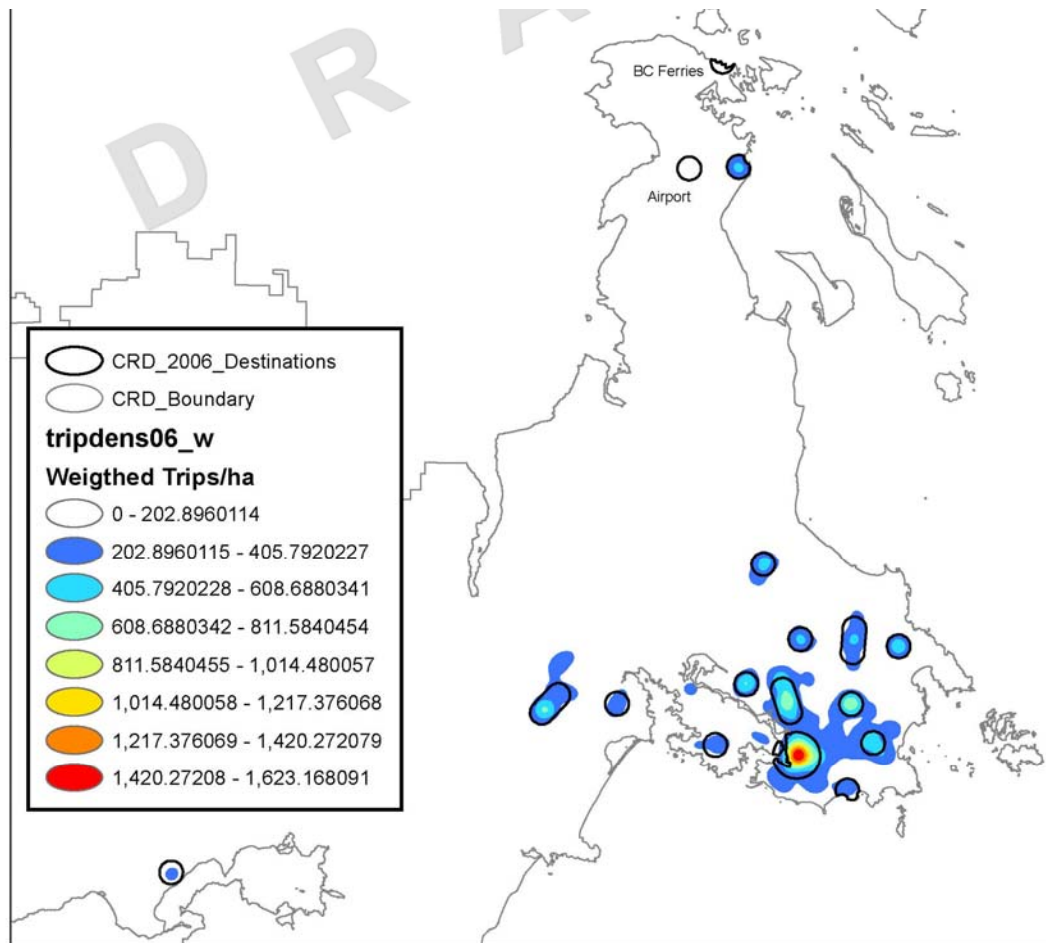
Gather all the best information into a cohesive, concise, distilled format



Summer 2010



ROAD TO ZERO

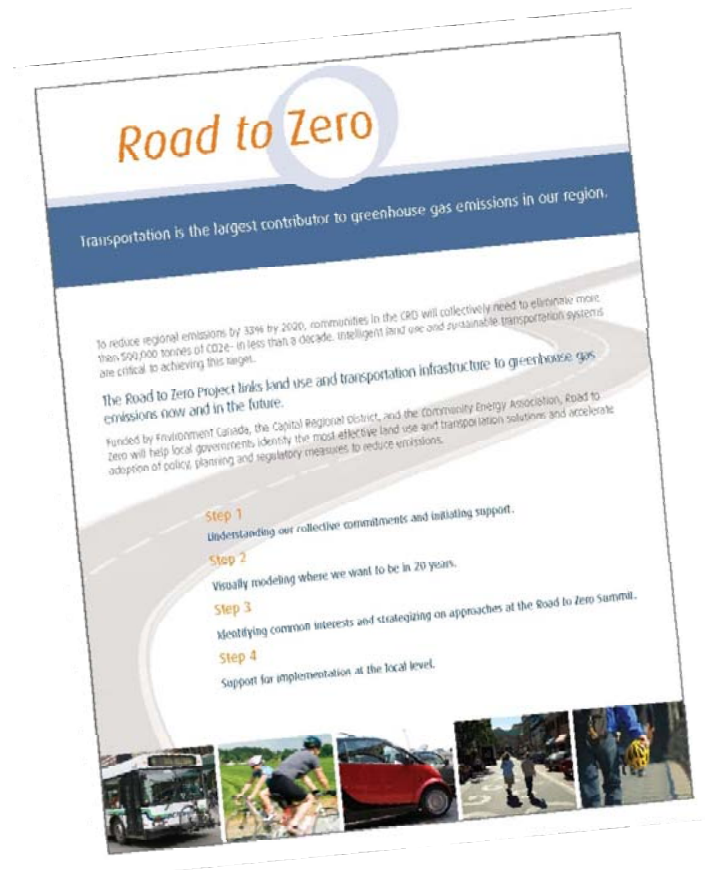


- Create a baseline inventory based on actual land use and transportation inputs
Develop a GIS and spreadsheet-based model allowing on going rural, medium and high growth communities to input land use planning scenarios and analyse their GHG impacts
Facilitate integration at the regional level and address regional impacts.
Build capacity of planners and other staff in CRD and its member municipalities to use the model.



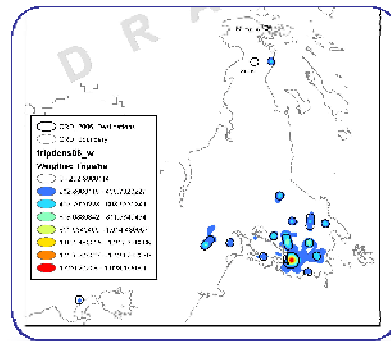
ROAD TO ZERO

- Summit – October 27, 2010

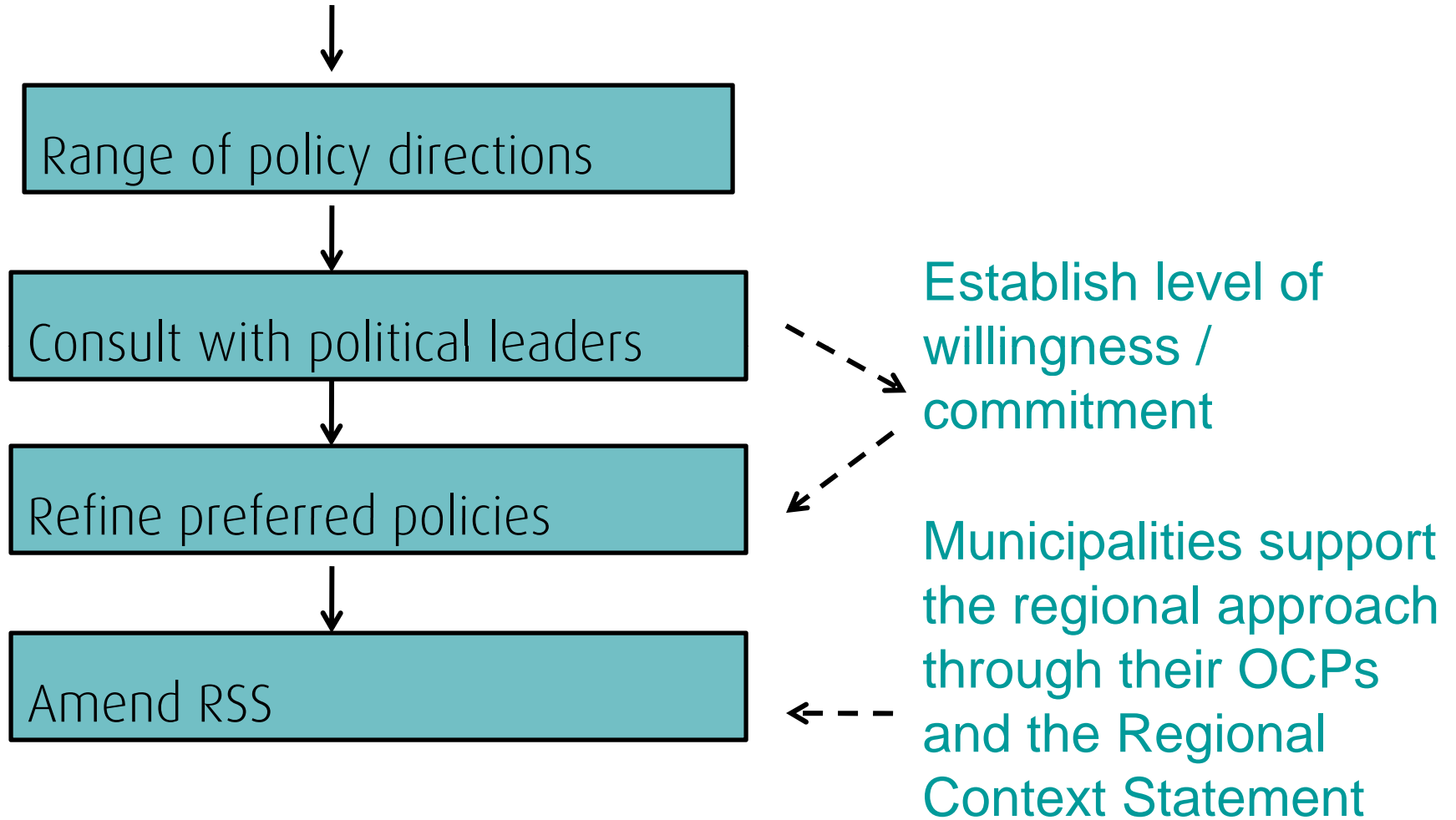


Save the
Date!





Road to Zero - Outcomes



Follow up for Member Municipalities

- Courtesy of Environment Canada
- November 2010 through March 2011, CEA provides support to member municipalities and electoral areas for implementation.
- On the ground support for advancing local priorities from the Road to Zero initiative.



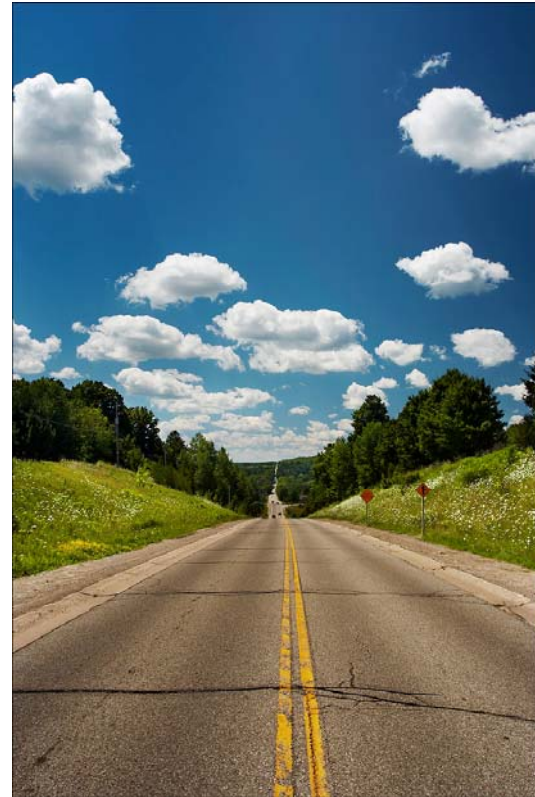
Ultimately... Road to Zero Initiative

- Provides the justification and quantitative analysis for reducing GHG emissions through land use and transportation policies and infrastructure.
- Offers a better understanding of how all the pieces fit together.



Stay Tuned...

- Part of the goal is to share our learning and outcomes across the province.



Questions to Consider in Focus Group

- What kinds of transportation related **policies** will be important to be implemented region-wide?
 - What are the **carrots** that people need to use/choose sustainable modes?
 - What are the **sticks** that are needed?
- How, as citizens, can political leaders be supported?



Contact Info



Sarah Webb - CRD Climate Action Program
250 360- 3123

Sue Hallatt - CRD Regional Planning
250-360-3156

