



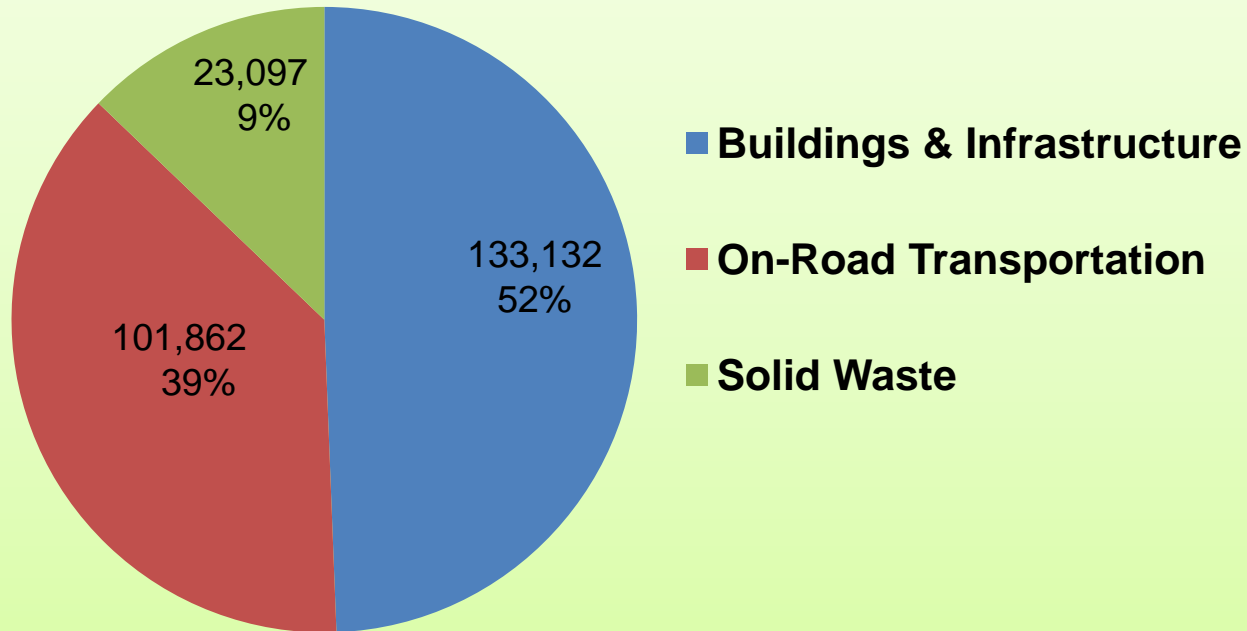
# **Better Climate, Better Community: Community Energy and Emissions Plan**

CEE Plan Working Group

October 3, 2016

# DWV emits 260,000 tonnes of GHG/yr

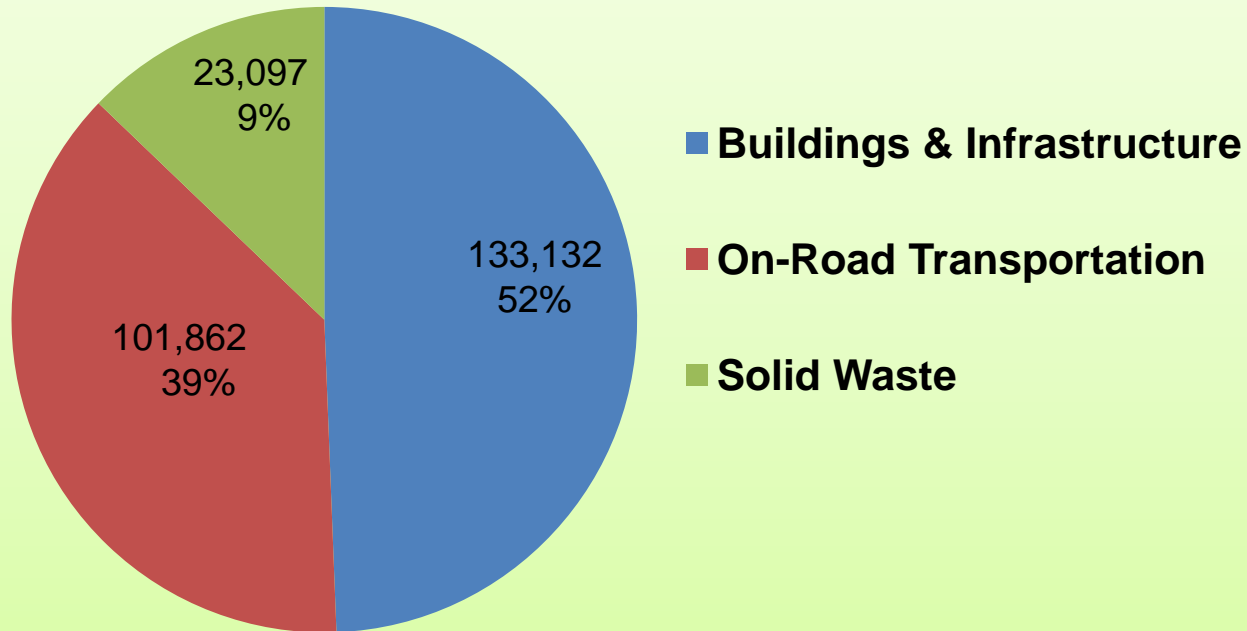
## WV Community - 2010 Baseline GHG Profile (tonnes CO<sub>2</sub>e)



Per Capita Tonnes  
GHGs Per Yr

# DWV emits 260,000 tonnes of GHG/yr

**WV Community - 2010 Baseline GHG Profile  
(tonnes CO<sub>2</sub>e)**



4.8

Per Capita Tonnes  
GHGs Per Yr

Greater  
Vancouver:



3.1

# Places + Spaces: Neighbourhood Planning

## Walkable Villages

Build on West Vancouver's walkable village tradition

- Cypress Village Initiation
- Existing Village Activation
- Micro Market Stabilization



## Residential Neighbourhood Regeneration

Reinforce neighbourhood character with low carbon options

- New market options
- Diverse Housing Types



## Urban Forests & Tree Stewardship

Manage carbon, stormwater runoff and safeguard natural areas

- Upper Lands forest protection
- Healthy street trees & park forests
- Sensitive tree management



# Bricks + Mortar: Housing & Land Use



## Home & Building Retros & Renos

Reduce emissions through improved design

- Home Renos & Revitalizations
- Low Carbon, Low Cost home, apartment & commercial retrofits



## High Quality, Low Carbon New Homes

Diversify housing choices & improve building performance

- Missing Middle housing
- Stretch Building Codes (single detached, apartments & commercial)
- District utility development

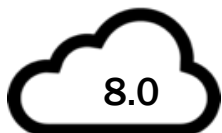


# Retrofit, Reimagine, Renovate, Rebuild

Example Renovation & Retrofit Single Detached:



60's Character Home



Classic Energy Retrofit



Classic Retrofit & Coach House



Retrofit, Coach & Suite or Strata Home (Avg new BC size)



GJ of Energy / Yr

Tonnes of GHGs/Capita/Yr

# Roll + Stroll: Transportation & Land Use

## Diversify & Expand Transit Service

Attract transit infrastructure & facilitate success

- Express & Rapid Transit
- Bus service expansion
- Electric Passenger Ferry



## Complete Streets & Active Travel

Facilitate active travel for all ages & abilities

- Triple A Pedestrian Infrastructure
- Triple A & Double B cycling infrastructure
- Community Bike Share
- Safe Routes to Schools, Recreation & Leisure



## Clean Cars & Smart Parking

Encourage leadership & embrace technology

- Electric Vehicle & Low Emissions Vehicles
- Collaborative car and ride sharing
- Smart Parking



# Trash + Treasure: Solid Waste & Materials

## Smart Goods & Materials

Build on success of Single Detached programs

- Smart Goods & Resource Recovery
- Deep Diversion: Focus on apartment & commercial sectors
- Zero Waste Construction & Deconstruction

## Sharing Economy/Shared Resource Use

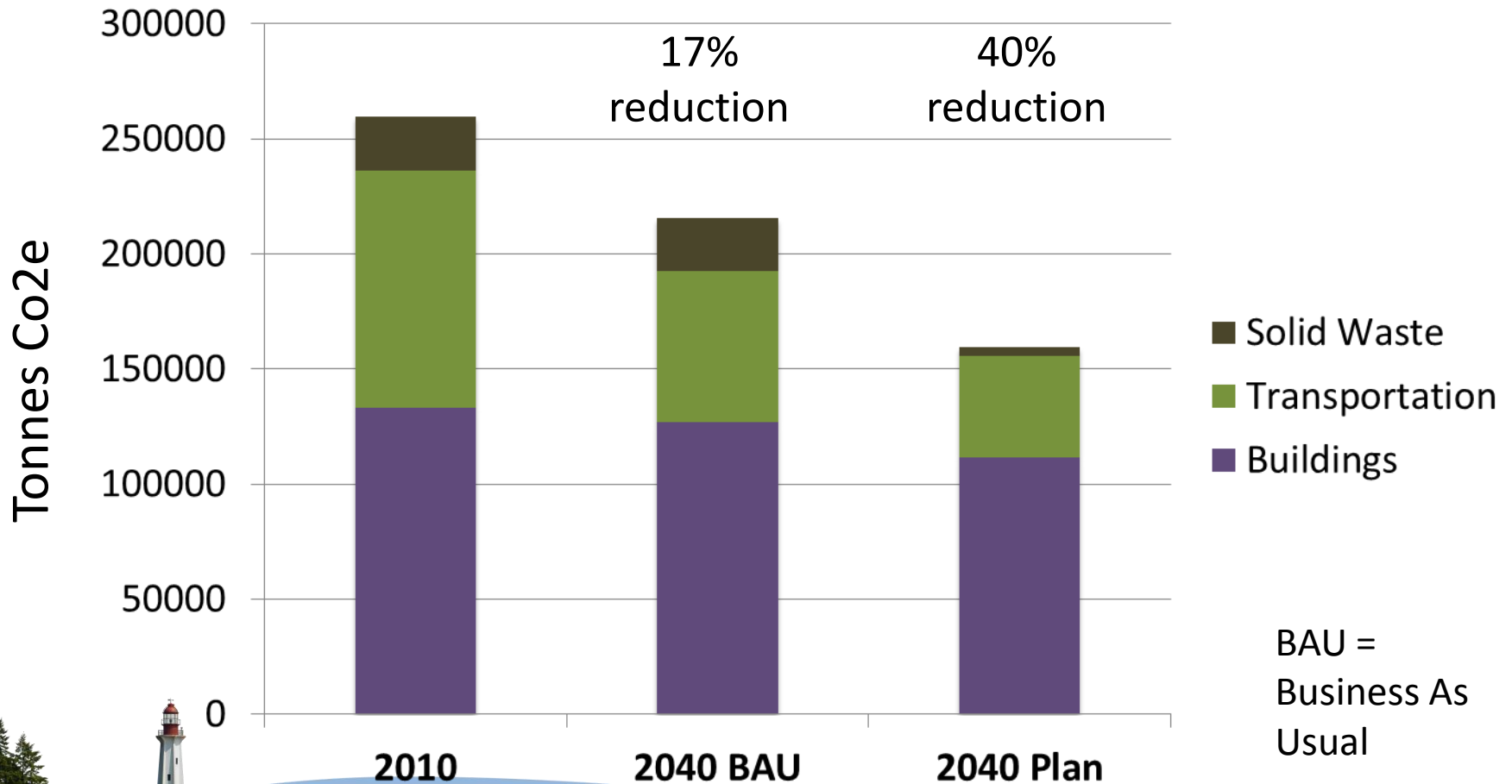
Maximize community resource use

- The Sharing Community Initiative





# How far will the Plan take us?



# Some additional big new ideas

- Shift the property tax calculation so that it is partly based on energy use
- Charge all single family homes for energy retrofit measures with < 5yr pay back
- Create Energy Bylaw that requires new building energy systems to be “hooked up” to an in-building energy utility willing to invest in ultra-low energy systems.
- Create Carbon Neutral Reserve Fund from CARIP Grant to support emission reductions projects throughout the community, not just the District itself.

The Working Group requests that Council adopt this CEE Plan and:

- Integrate it into District plans and staff accountabilities
- Make GHG emissions reductions central to District operations
- Engage its citizens to become a model, low carbon community
- Seek implementation funding from a range of sources
- Look beyond election cycles to make long term decisions
- Make the Plan a legacy for future generations.