## Integrated Sustainability Planning FOCUS: Climate Change & Energy Management

CAST January Meeting January 20, 2016



Andre Angele States and Angele





# **Whistler Sustainability Planning Context**

RIGHTES	Encoding Community	Enhancing the Resort Experience	Protecting the Environment	Emering Exercision Visibility	Partnering for Success
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# Corporate Operations

## 1. Measurement and reporting of carbon emissions

### 2. Put a price signal on those carbon emissions

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### 2. Put a price signal on those carbon emissions

Carbon tax	Make a commitment to 'carbon neutrality'			
payments & re-	А.			
allocations	Track &			
	understand			
	your emissions			

1. Measurement and reporting of carbon emissions

## 2. Put a price signal on those carbon emissions

Make a commitment to 'carbon neutrality'			
Α.	B.	C.	
Track &	Aggressively	Neutralize	
understand	reduce existing	remaining	
vour emissions	emissions	emissions	

1. Measurement and reporting of carbon emissions

### 2. Put a price signal on those carbon emissions



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Conference or independence of





2000 2007 2007 2007 2007 2011 2013 2010 2011 2015 2010 2017 2018 2019 2018



Community-wide GHG Emissions



2014 Estimated Whistler Community Greenhouse Gas Emissions

> Passenger Vehicles. 61,017.3 . 57%

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Hovia 5.0115.5%

Electricity. Resident at 1,891.

Total Emissions 110,484(C02e

-\_Connect 1.773. 2%

Electricity Industrial, 240, cre

Not and Gos Ros service 10,008-41, 665

Natural Gas - Commercial, Commercial, 20,543-09, 24%

#### WHISTLER - Total Estimated Community GHC Emissions. [strate] OC applied electron at a SEL column preparation action.)

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### Whistler 2014 GHG Reductions vs. the 2007 Base Year

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Interim Reduction Target vs. Actual Reduction Performance, by Sector



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probably has a hole
this big in it.



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# Looking Ahead....

# Updated CECAP Engagement Approach



# **50% Mitigation**

# **50% Adaptation**

THE OWNER WATER

# Key climate change(s) for Whistler

While future climate will still have year-to-year and decadal variability, the key projected climate changes for Whistler are:

**1. An increase in the intensity and frequency of heavy rain events** 

- **2.** Longer, hotter, drier summers
- **3. Milder winters and changes in amount of precipitation as snow** 
  - especially at lower elevations

## **Potential Impacts**

## Excession in Amount of Precipitation on Sea

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Process Model for Prioritizing Key Impacts of a Changing Climate Weather Community Exanglish Denuts Auton Plan (CECAP 2006)



## Substantive & Meaningful Progress

Many Challenges Ahead

**Questions or comments?** 

# Open Conversation

VRBO & AirBnB Transportation Parking Reinvestment Initiatives Growth Management Economic Development Housing\*



### Estimated Whistler Community Level Energy Consumption (1990, 2000 - present)

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Estimated Whistler Community-Level Energy Expenditures (1990, 2000-present)

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