



Canadian Stewardship  
Services Alliance

# Annual Steward Meeting

October 31, 2017





**Canadian Stewardship  
Services Alliance**

# Welcome

**Calla Farn**

**Vice-President, Steward Services**



# Webcast Information

- Speaker advances slides
- Sound slider ①
- Questions/comments at 'Ask a Question' ② then click 'submit'
- If you have technical issues also let us know via the "Ask A Question" box
- Today's slides and presentation will be posted on the website within the next 24 hours.

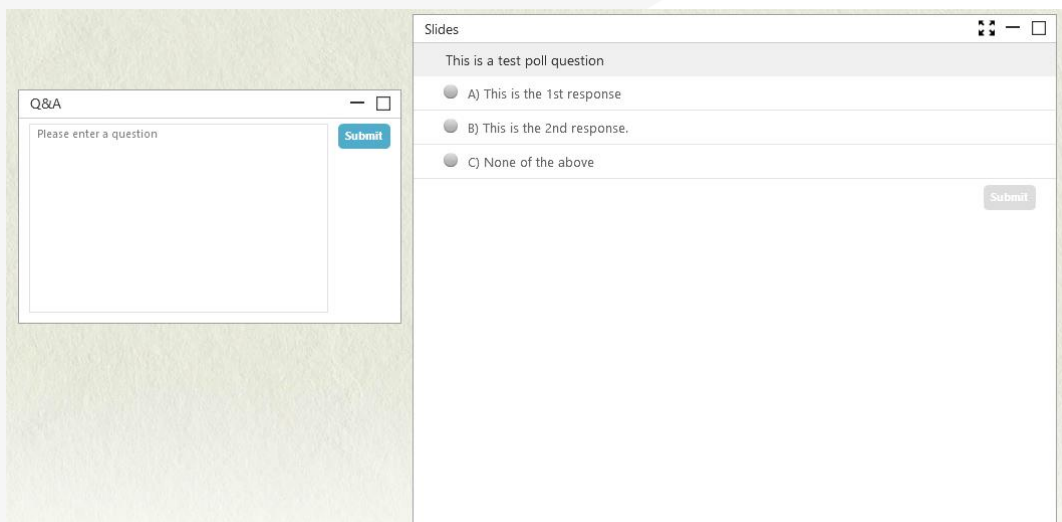
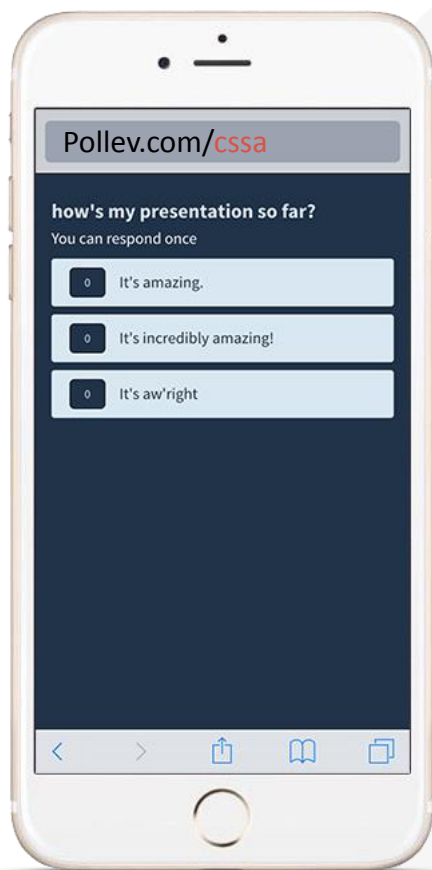


# Today's Agenda

- CSSA Review and Outlook
- Keynote: Recycling and the Circular Economy
- Panel: Packaging Materials and Circular Economy
- **Break** (approx 3:15 pm ET)
- Program Updates, 2018 Budget and Fee Schedules:
  - Multi-Material Stewardship Manitoba (MMSM)
  - Multi-Material Stewardship Western (MMSW)
  - Recycle BC
  - Stewardship Ontario (SO)
  - Q&A
- Material Cost Differentiation
- Wrap-up



# Steward Polls



# Poll #1: The amount and type of information in the Report to Stewards is about right.

- Agree
- Neither Agree Nor Disagree
- Disagree
- Did Not Read It

[www.pollev.com/cssa](http://www.pollev.com/cssa)



Canadian Stewardship  
Services Alliance

# CSSA

# Review & Outlook

John Coyne  
Executive Chair



# Looking Ahead...

- Circular Economy
  - Contributions of Recycling, Stewardship & EPR
- Keynote
  - Environmental Commissioner of Ontario
- Panel
  - Packaging Material Trends

# Engaging Stewards

- Membership Agreements, Rules and Policies
- SO: Amended Blue Box Program Plan
- Satisfaction Survey

# Support for Harmonization and Simplification



of respondents said CSSA provided excellent customer service.



rated the ease of doing business with CSSA as excellent.



said the overall quality of program information provided by CSSA was excellent.



said CSSA's overall performance was the same as or better than other stewardship organizations.


# Streamlining Rules and Policies

- Comprehensive review by programs
  - Increase administrative harmonization
  - Improve clarity
  - Promote fairness
- High webinar participation
- Submit comments by November 10
  - [stewardfeedback@cssalliance.ca](mailto:stewardfeedback@cssalliance.ca)



# Improving Reporting and Invoices

- Researching tools, resources and services to simplify reporting – 2019
- Online tutorial
- Invoices
  - Date harmonization
  - Redesign

  
**MMSM**  
 Multi-Material  
 Stewardship Manitoba

INVOICE

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**BILLING CONTACT**  
 CBCRA  
 705 - 261 McDermot Ave  
 Winnipeg MB R3B 0S9

**INVOICE NO.:** 90024715  
**INVOICE DATE:** May 10 2016  
**STEWARDSHIP NUMBER:** 1005937  
**P.O. NO.:**  
**PAYMENT DUE:** Upon Receipt

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2016 INVOICE (2015 Report, 2014 Data)  
 FEES FOR Multi-Material Stewardship Manitoba

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**2016 ANNUAL PAYMENT OBLIGATION:** (excluding taxes) 13,134.36  
 Details about your annual obligation are available in your Submission Detail Report on the WeRecycle Portal  
 SALES ORDER REFERENCE: # 19073  
 REPORTED BY: Billing Regression Again

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<b>CURRENT CHARGES:</b>	13,134.36
<b>LATE REPORTING PENALTIES:</b>	(excluding taxes) 1,313.44
<b>INTEREST:</b>	00.00
<b>ADMINISTRATIVE FEE:</b>	00.00
<b>GST NUMBER 829043561-RT0001 - GST at 5%:</b>	722.39
<b>AMOUNT DUE:</b>	<b>\$15,170.19</b>

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**PAYMENT INSTRUCTIONS**

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**ELECTRONIC FUND TRANSFER:**  
 Please send your electronic fund transfer or wire money to:  
 Canadian Imperial Bank of Commerce, 1 Queen Street East, Toronto, Ontario M5C 2W5  
 Bank: 010 Branch: 00902 Account: 8503915 Swift Code: CIBCATT

**CREDIT CARD:**  
 Invoices less than \$2500 can be paid by credit card via the WeRecycle Portal

**CHEQUE:**  
 Please send your cheque payable to:  
 Multi-Material Stewardship Manitoba  
 1 St. Clair Ave. West, 7th Floor, Toronto, ON M4V 1K6

All amounts are in Canadian dollars. Late payments are subject to interest charges. If you have any questions about your invoice, please contact Accounts Receivable at 1-866-354-2772 or [accounting@cssalliance.ca](mailto:accounting@cssalliance.ca)

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MULTI-MATERIAL STEWARDSHIP MANITOBA  
 263 Barnaby Avenue, Suite 200, Winnipeg MB R3B 3B2

# Building a Strong Foundation

- Level Playing Field
- Moving ahead with MCD
- Fee Methodology



# Ontario's Transition Plan

- Redefine steward and material obligations
- Increase environmental performance
- Timeline: seamless or orderly
- Increase ability to manage costs

# Moving to EPR

- Global business theme
- Catalyst for managing risks and delivering growth
- Maximize resource value – close the loop



# Environmental Commissioner of Ontario

- Dr. Dianne Saxe
- “Tough but fair watchdog”
- Experienced environmental lawyer
- Appointed in 2015



# Climate Change and the Circular Economy

Canadian Stewardship Services Alliance

Dianne Saxe

October 31, 2017



# Overview

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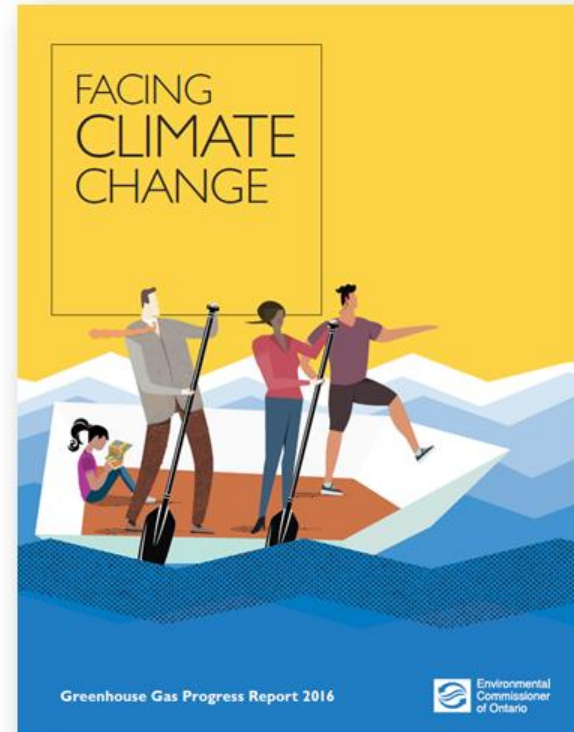
1. Who is the ECO?
2. Climate changes everything
3. Opportunities: waste reduction and the circular economy



# 1: Who is the ECO?

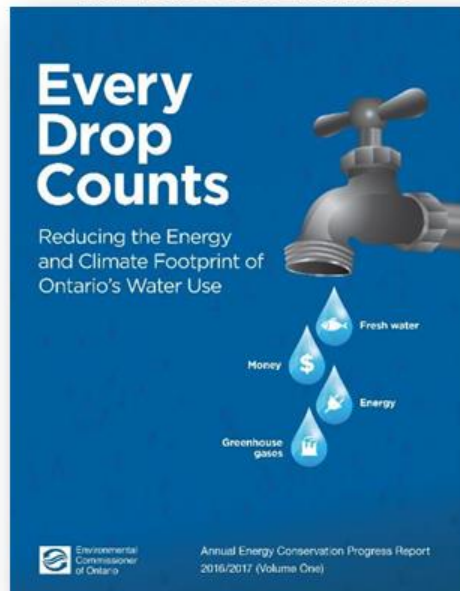
# Who is the ECO?

- Impartial, independent
- Guardian of the *Environmental Bill of Rights*
- Watchdog on:
  - Greenhouse gas emissions in Ontario
  - Energy conservation
  - Environmental protection
- Driven by what I have learned in the last year

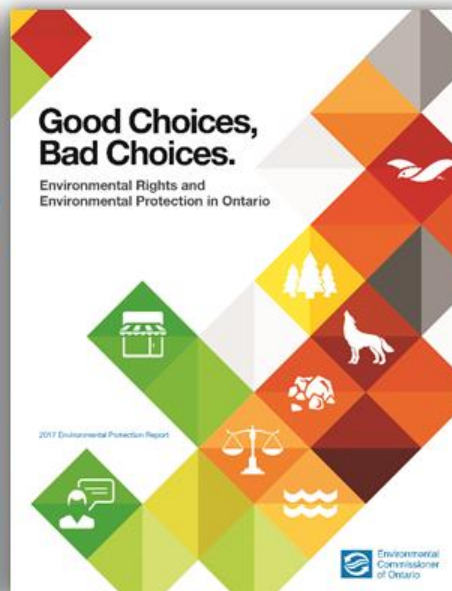


# Really good reports

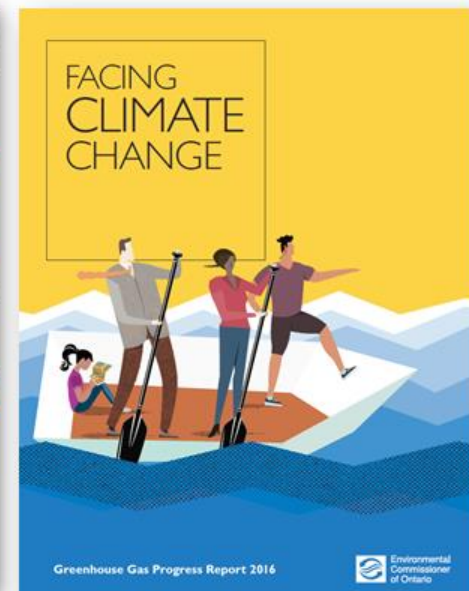
## ENERGY CONSERVATION



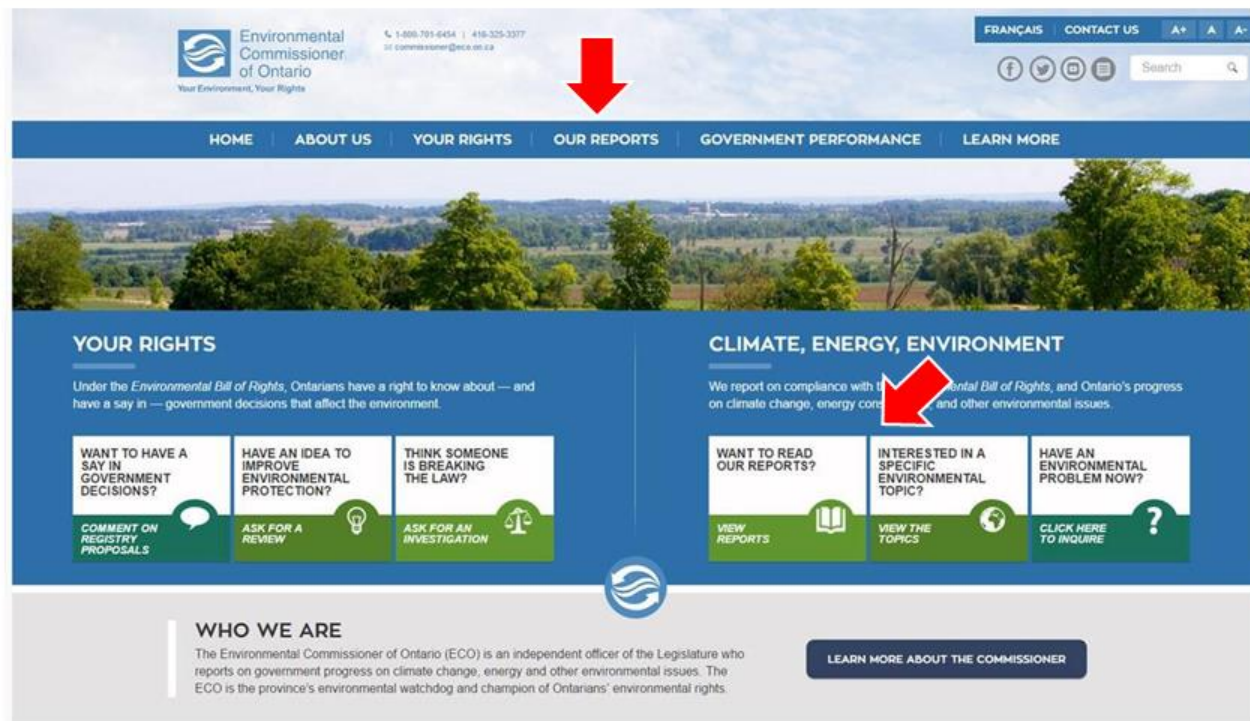
## ENVIRONMENT

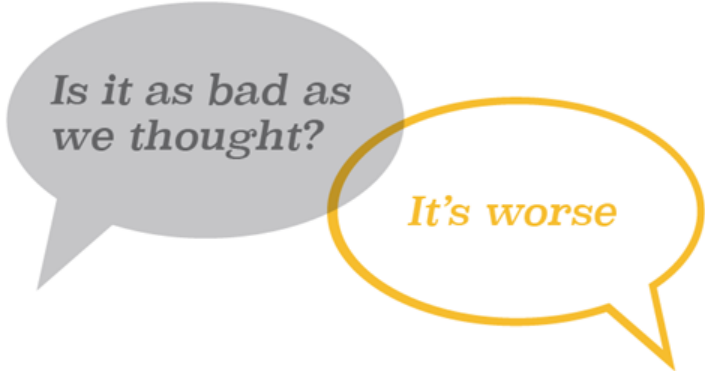


## CLIMATE



# Find them here (eco.on.ca)





*Is it as bad as  
we thought?*

*It's worse*

## 2: Climate changes everything

# Who are you working for?

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# Your colleagues may know

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97% of climate scientists agree:

- Climate change is:
  - Human-caused
  - Serious
  - Caused mostly by greenhouse gases in the atmosphere that keep solar heat from escaping
  - Primary GHG is CO<sub>2</sub> from fossil fuels
  - **Real**



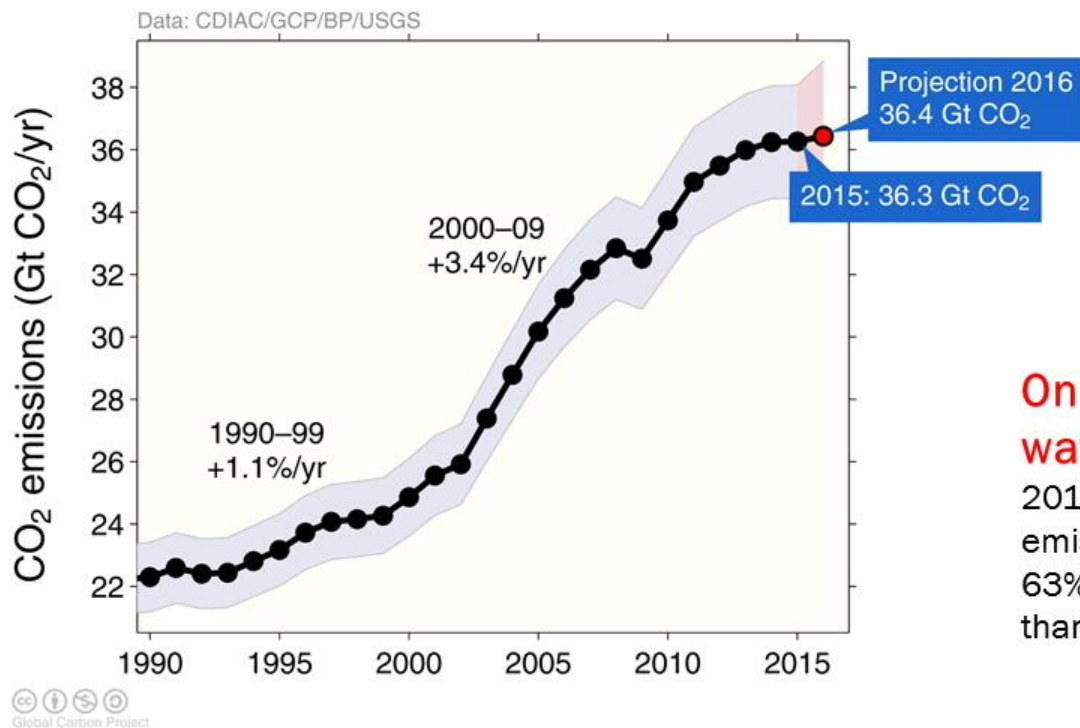
# But do they know?

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Climate change is already here, now:

- Moving fast (“off the charts”)
- \$Trillions financial opportunity and threat
- Immense impact on environment and people
- Huge implications for Ontario infrastructure and economy

# Highest ever CO<sub>2</sub> emissions



**On our  
watch:**  
2015  
emissions  
63% higher  
than 1990



# Where does the CO<sub>2</sub> go? (2006-2015)



34.1 GtCO<sub>2</sub>/yr  
**91%**



**9%**  
3.5 GtCO<sub>2</sub>/yr

Sources = Sinks

16.4 GtCO<sub>2</sub>/yr

**44%**



**31%**

11.6 GtCO<sub>2</sub>/yr



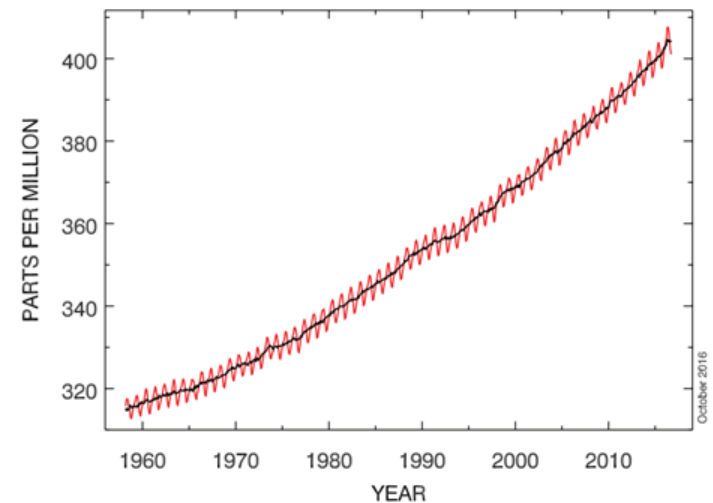
**26%**

9.7 GtCO<sub>2</sub>/yr



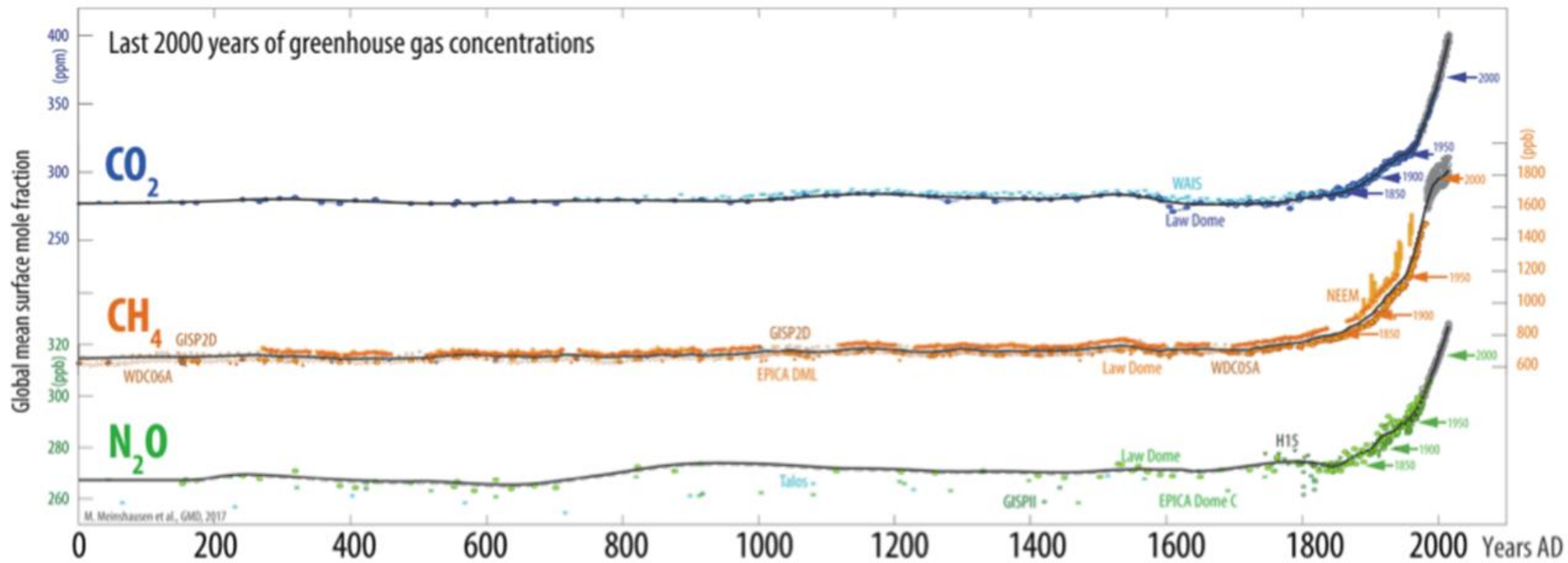
# Highest air CO<sub>2</sub> in (human) history

- Millions of years 180 - 280
  - 1860 280
  - 1988 350
  - 2017 410 ppm
- 
- Now permanently above 400 ppm
  - Trapping extra heat



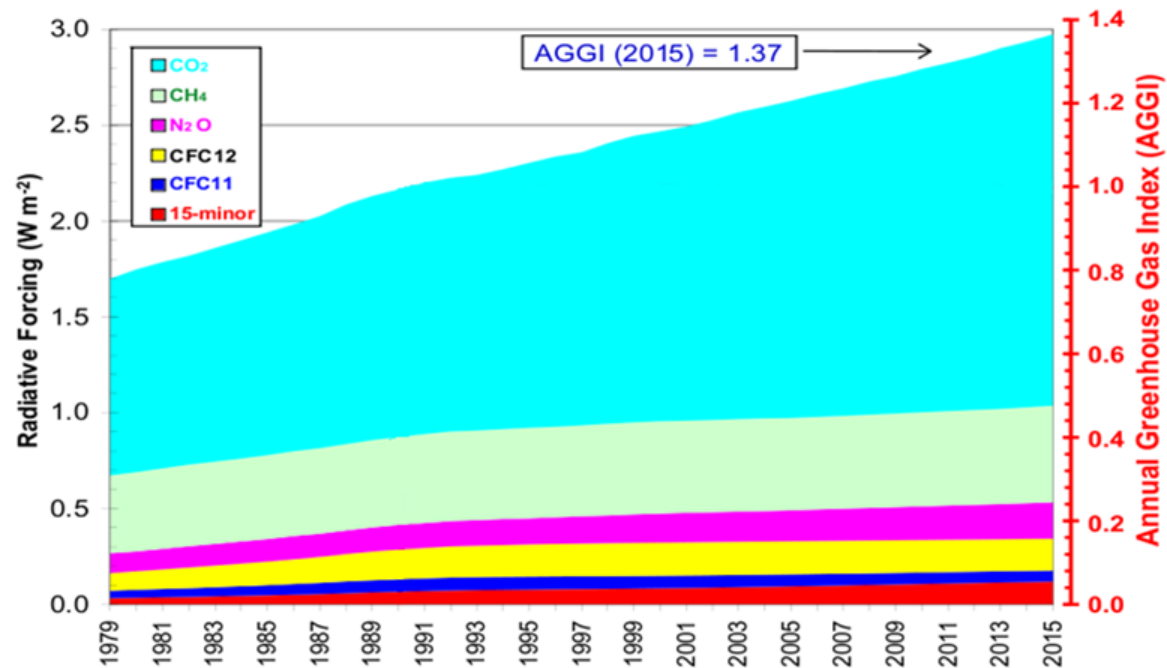
Source: National Oceanic and Atmospheric Administration, Trends in Atmospheric Carbon Dioxide at Mauna Loa Observatory (full record), 2016.

# Not just CO<sub>2</sub>- Levels in air



# Not just CO<sub>2</sub>—what's trapping heat?

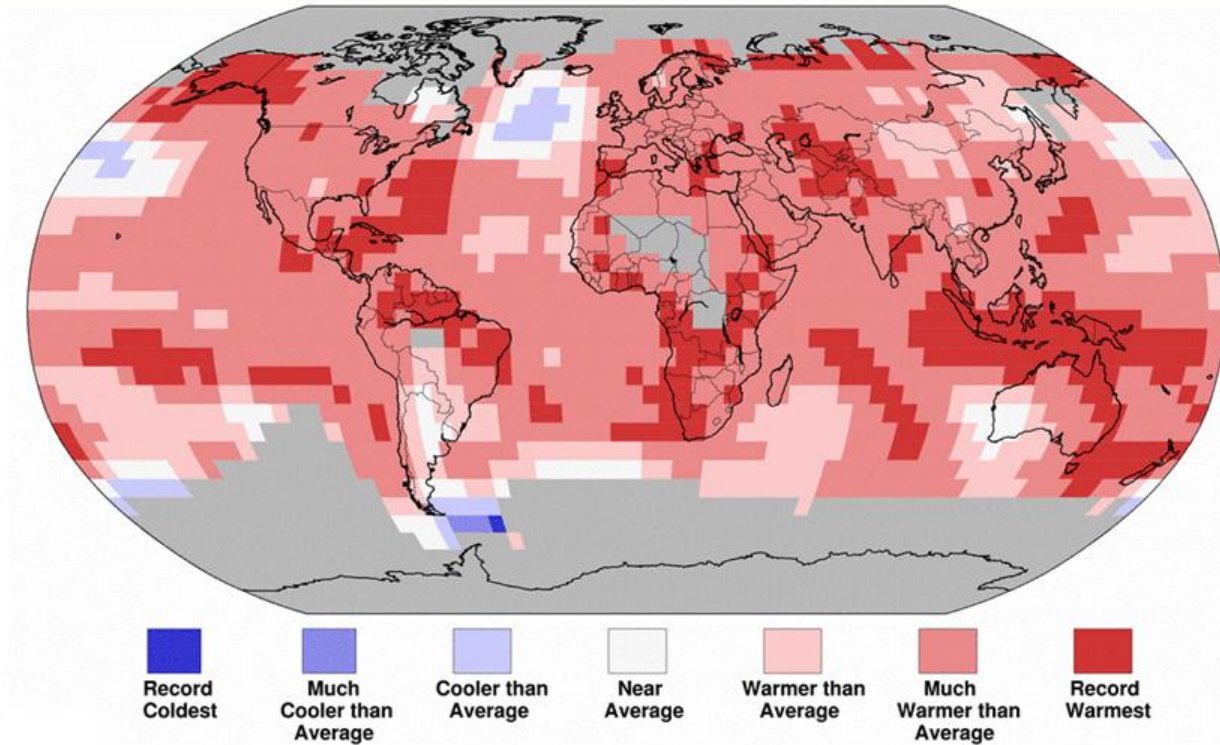
- ~50% more heat than CO<sub>2</sub> alone
- Methane
- Nitrous oxide
- Refrigerants



Source: National Oceanic and Atmospheric Administration, The NOAA Annual Greenhouse Gas Index (AGGI), 2016.

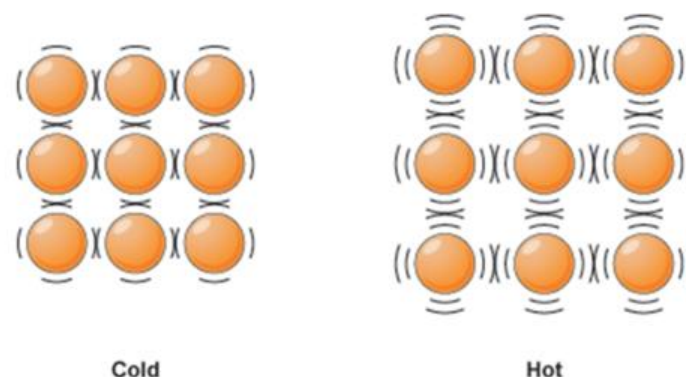
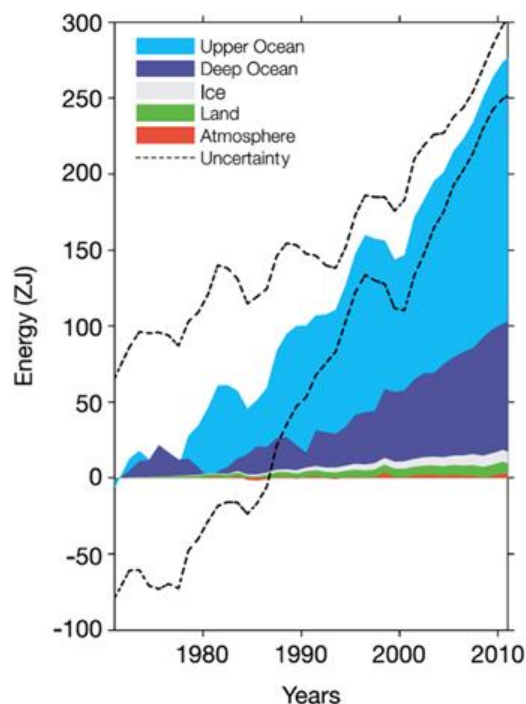


# Highest temperatures in human history





# 93% of the extra heat is in oceans, lakes



Warmer water takes up more space

Source: BBC, Behaviour of matter: Expansion and contraction, 2014.

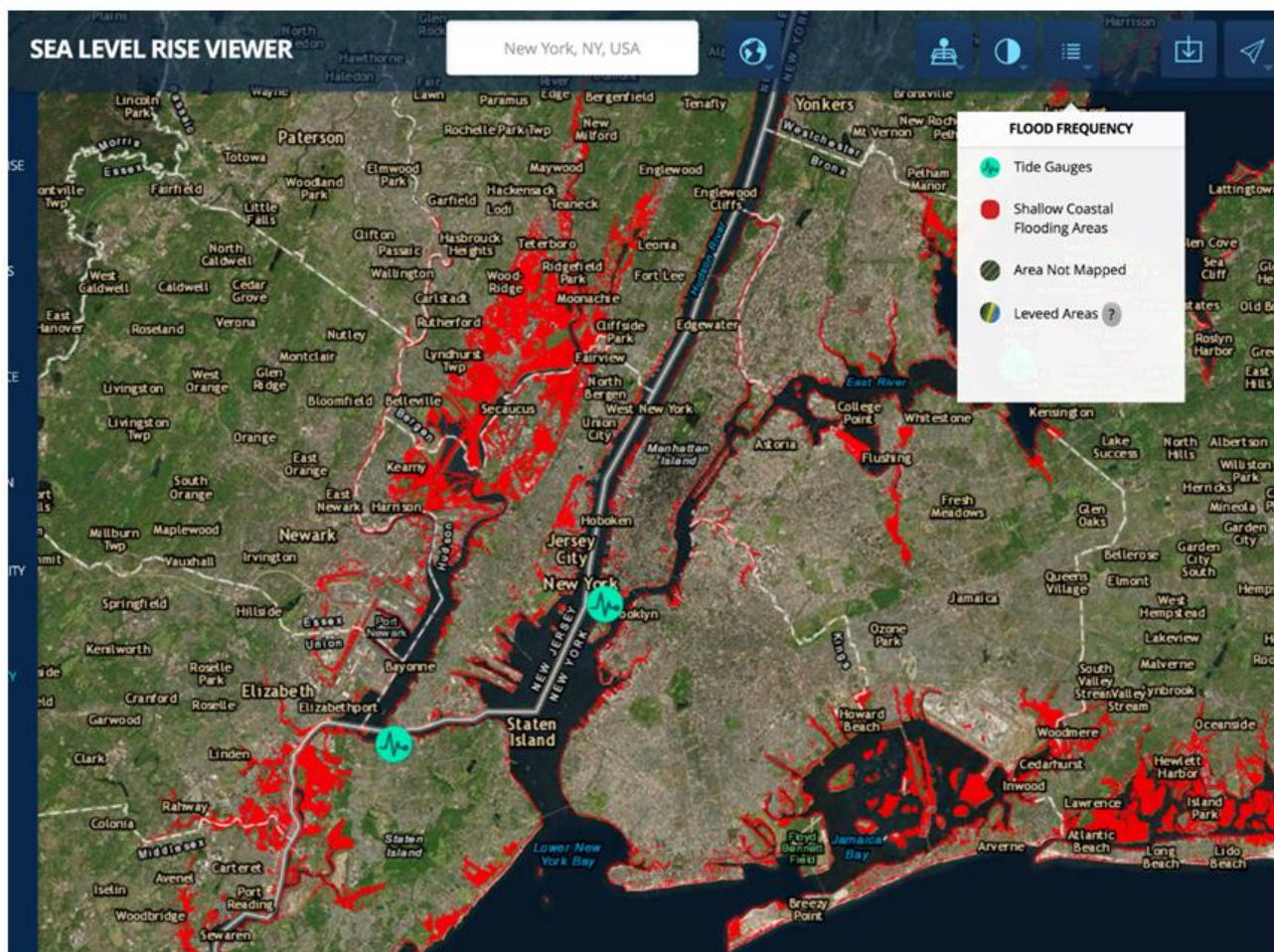
Source: Intergovernmental Panel on Climate Change, Chapter 3: Observations: Oceans in Climate Change 2013: The Physical Science Basis (contribution of Working Group 1 to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change), 2013.

# Higher sea levels, wilder storms

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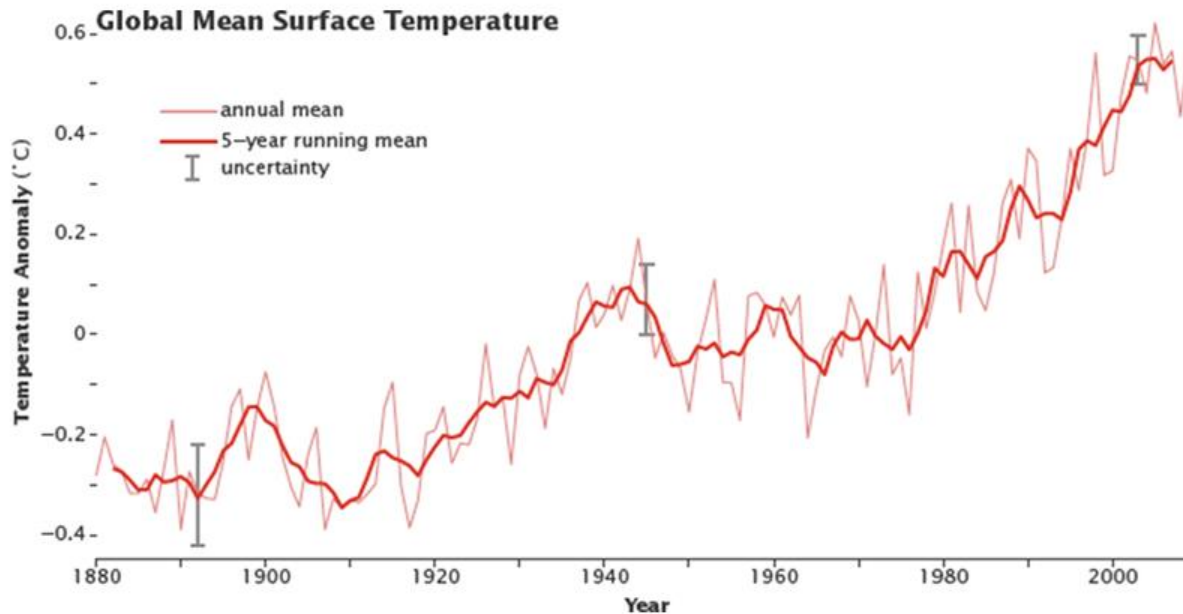






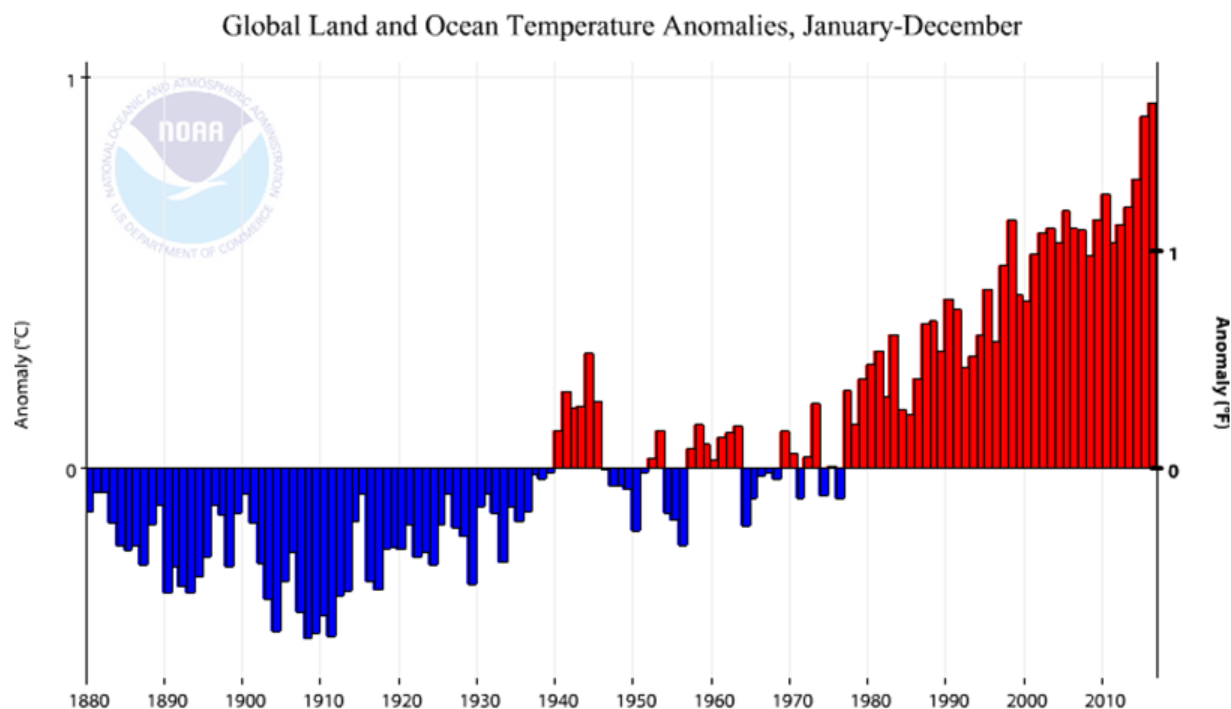
NOAA Sea Level Rise Viewer, 6 feet

# Only 1% of the heat in the air

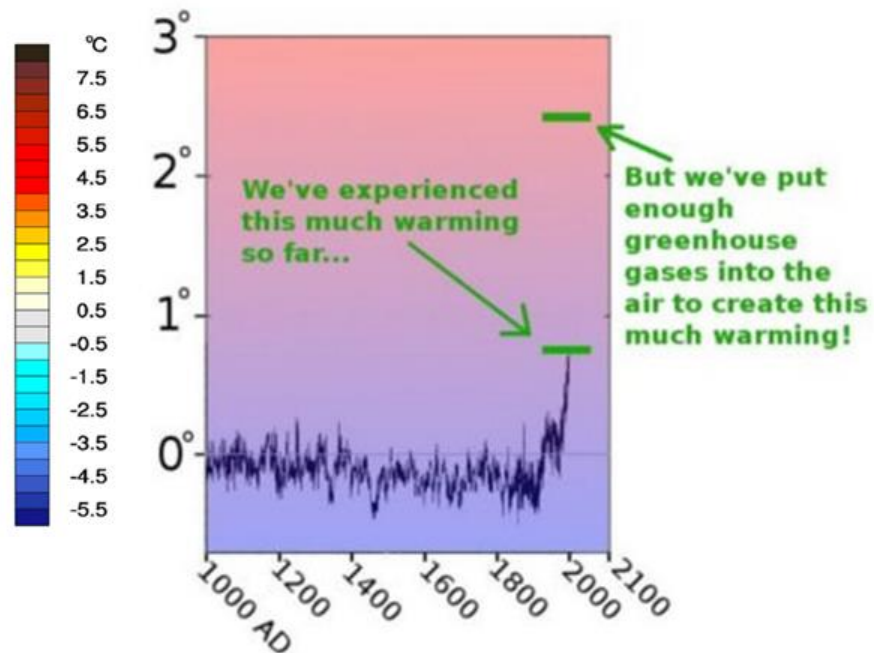
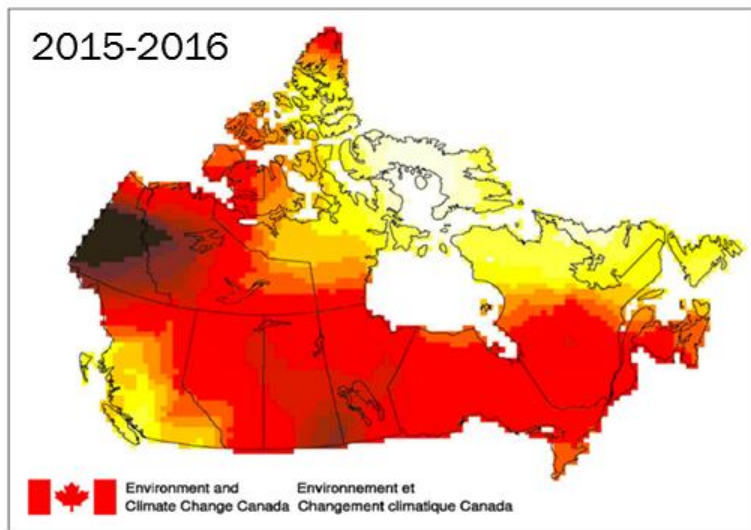


Source: National Aeronautics and Space Administration, Earth Observatory: 2010 Features – Global Warming, 2010.

# 20<sup>th</sup> Century “normal” is gone



# More already locked in



Source: Environment and Climate Change Canada, Climate Trends and Variations Bulletin, Winter 2015/2016, 2016.

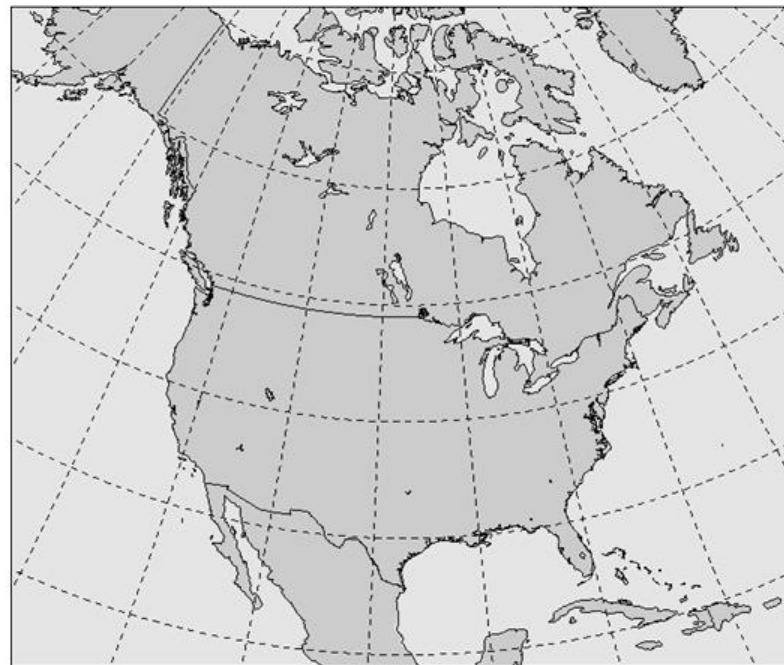
Source: climatevictory.org



## Using the regional climate model to project climate change for Canada.

A mid-range mitigation scenario (RCP4.5) where global mean warming is  $\sim 3^{\circ}\text{C}$  relative to pre-industrial.

CanRCM4 rcp45 temp.(C) 1995 vs 1986-2005



Surface air temperature change (relative to 1986-2005 average) from the regional climate model CanRCM4 (44 km resolution, RCP4.5)



Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada

Canada

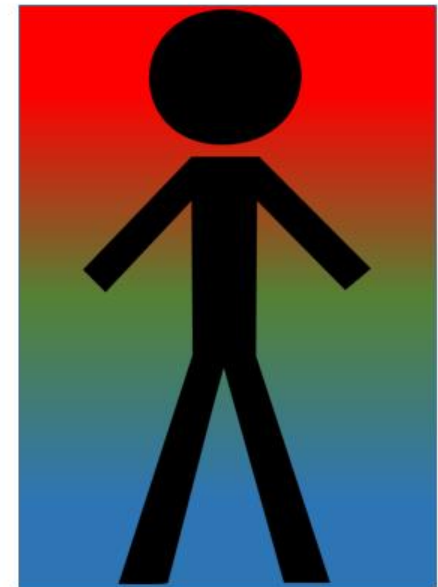
# “Global Warming”?

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- ≠ Everywhere always warmer
- Higher average temperatures
  - But unevenly distributed
  - Disruption of natural cycles
- More damaging, more unpleasant extremes



TOO HOT!



TOO COLD!



# When, not if

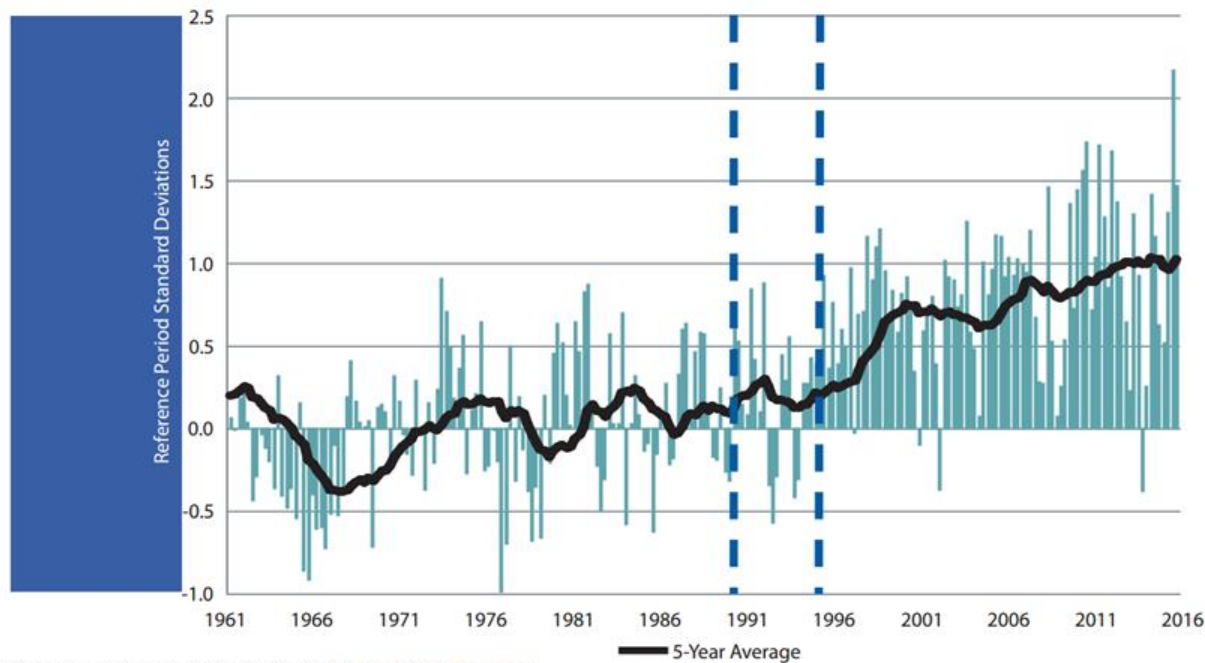
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- Milder winters
  - Ice roads, winter sports, snow cover
- Wetter springs, faster melts
- Hotter, drier summers
- Storms, floods, droughts
- Forest fire
- Invasive species



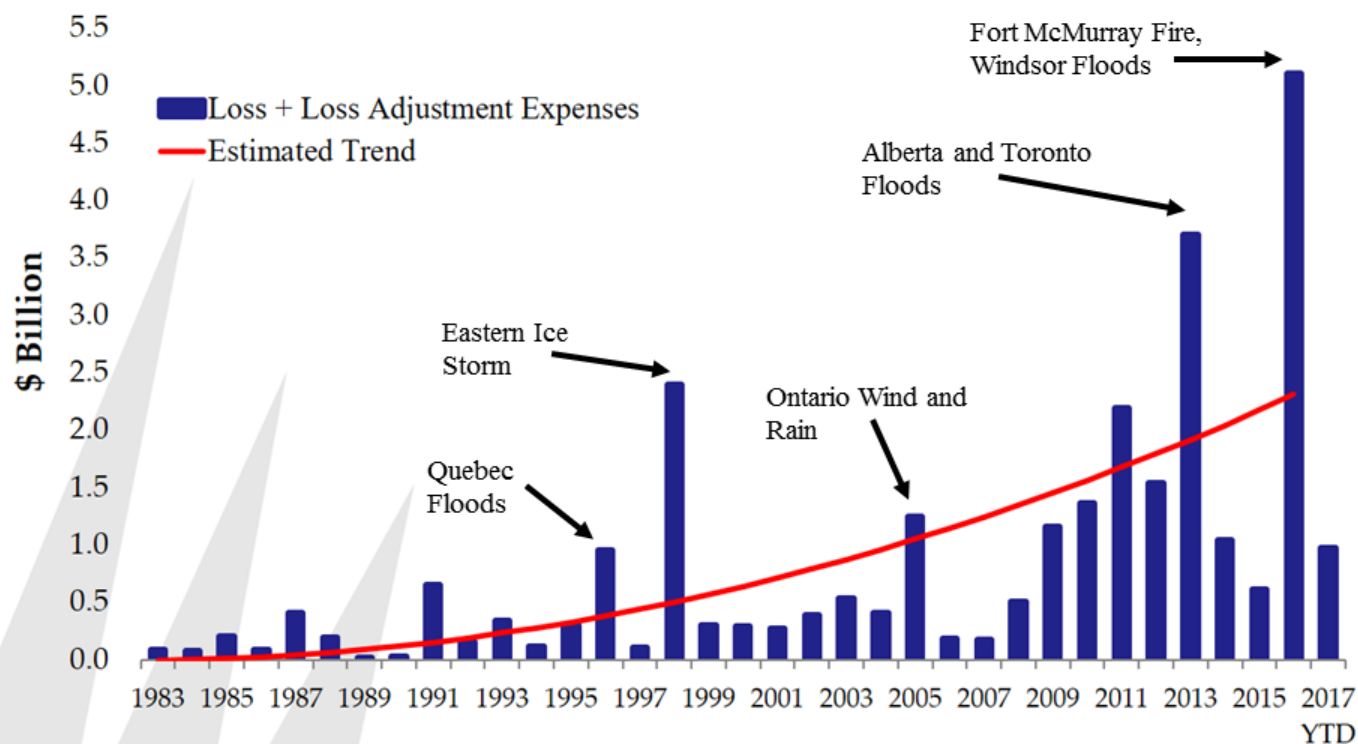
# Extreme events already tripled

Figure 3. The Actuaries Climate Index for Canada and the United States.



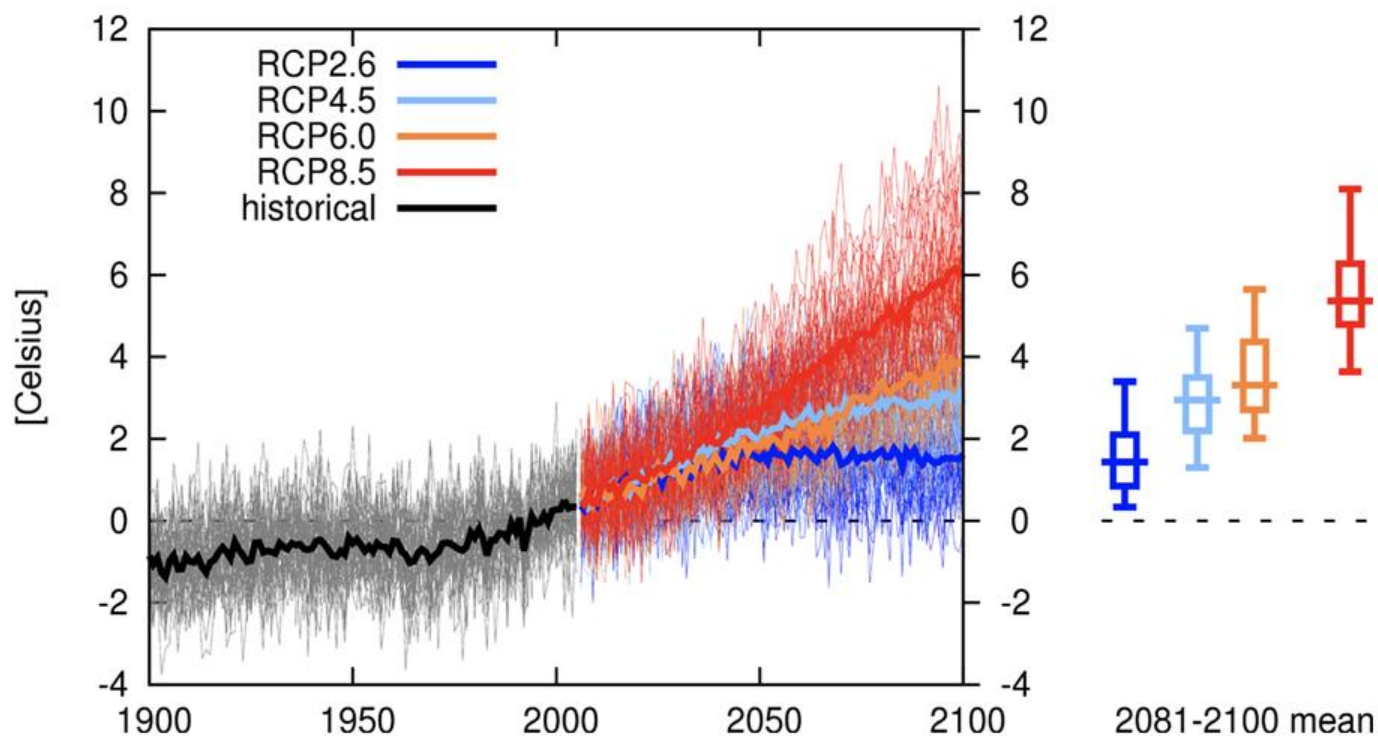
Source: Actuaries Climate Index, [Executive Summary](#)

# Catastrophic insured losses – Canada



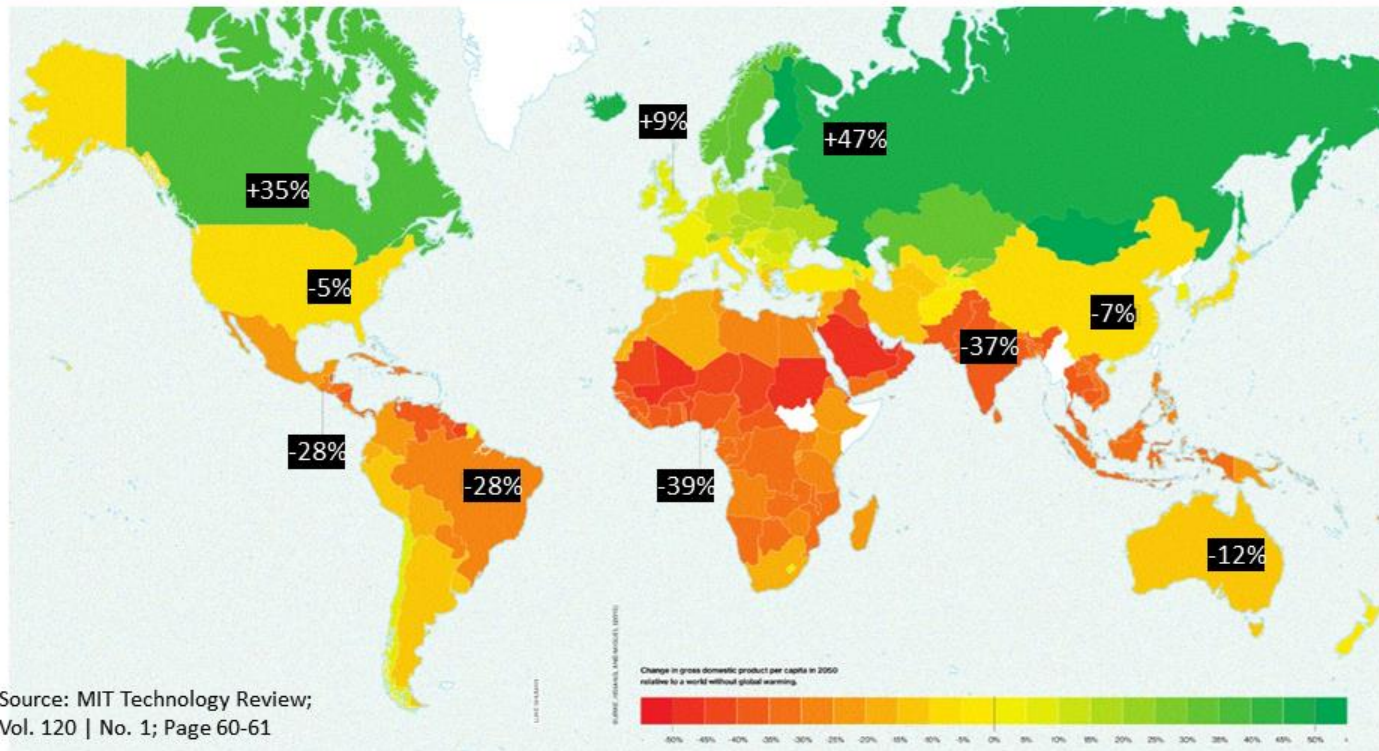
Source: Insurance Bureau of Canada Facts Book, PCS, CatIQ, Swiss Re, Munich Re & Deloitte  
Values in 2016 \$ CAD

# How much worse? Depends on emissions



Source: Laboratory of Mathematical Parallel Systems (LAMPS) at York University, Temperature Change for 1900 to 2100 relative to 1986-2005 from AR5 CMIP5 subset, 2016.

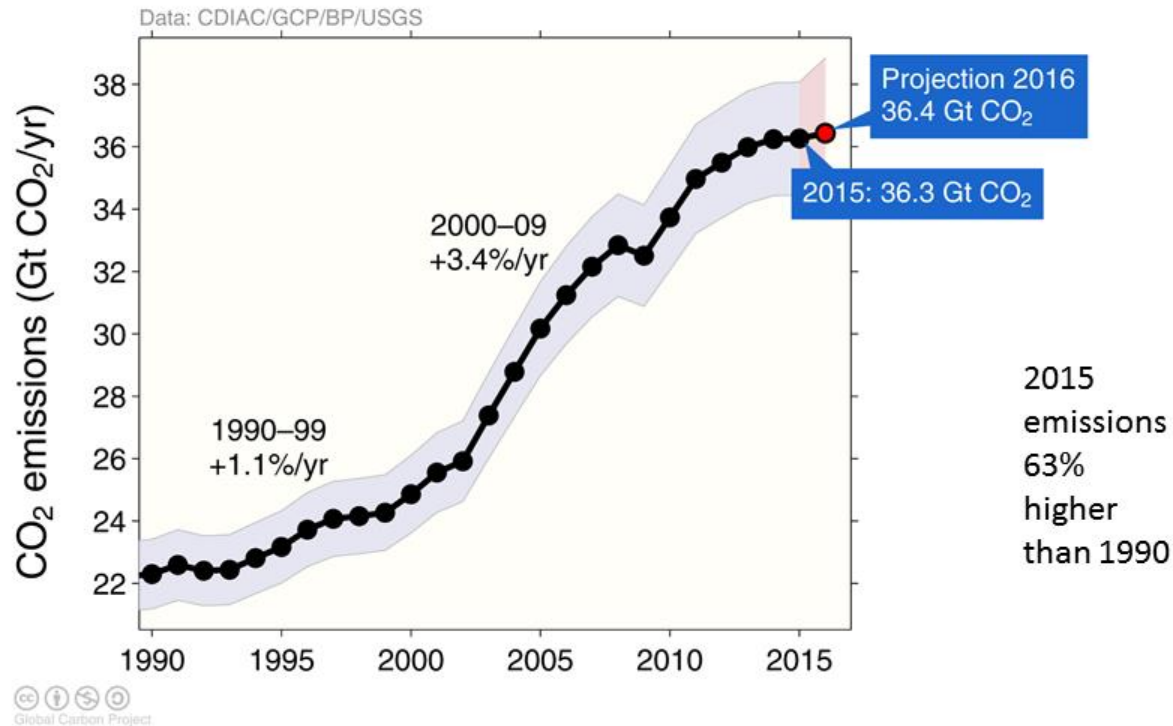
# 2050 GDP/person?



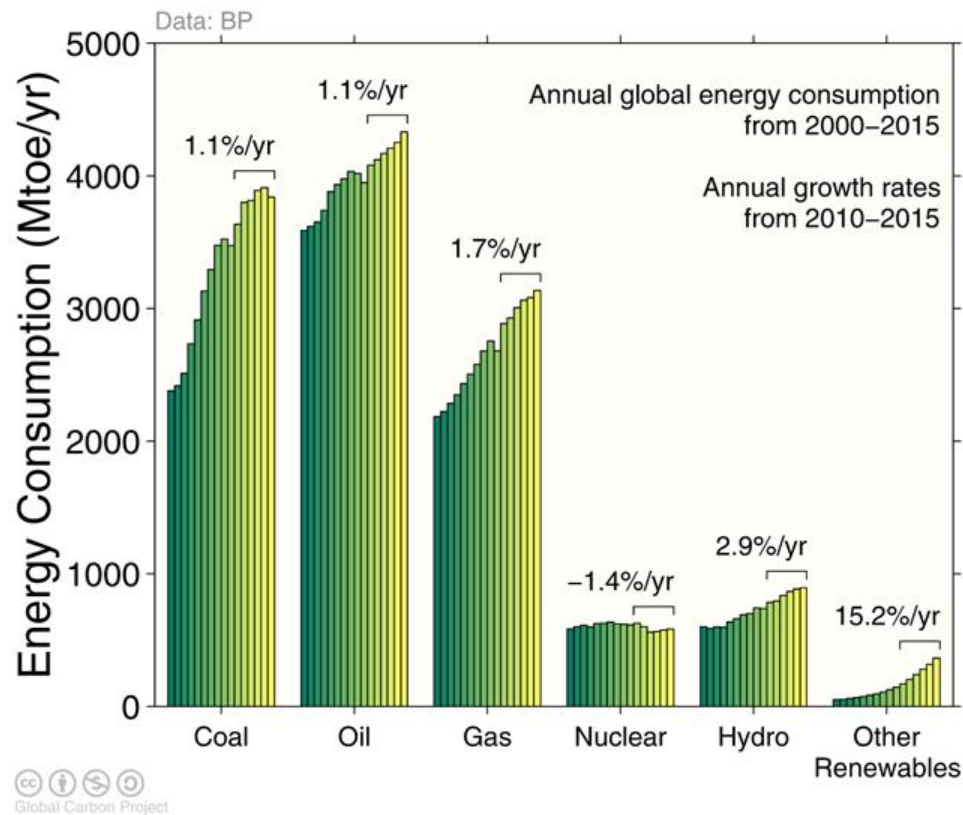
Source: MIT Technology Review;  
Vol. 120 | No. 1; Page 60-61



# Because emissions skyrocketed



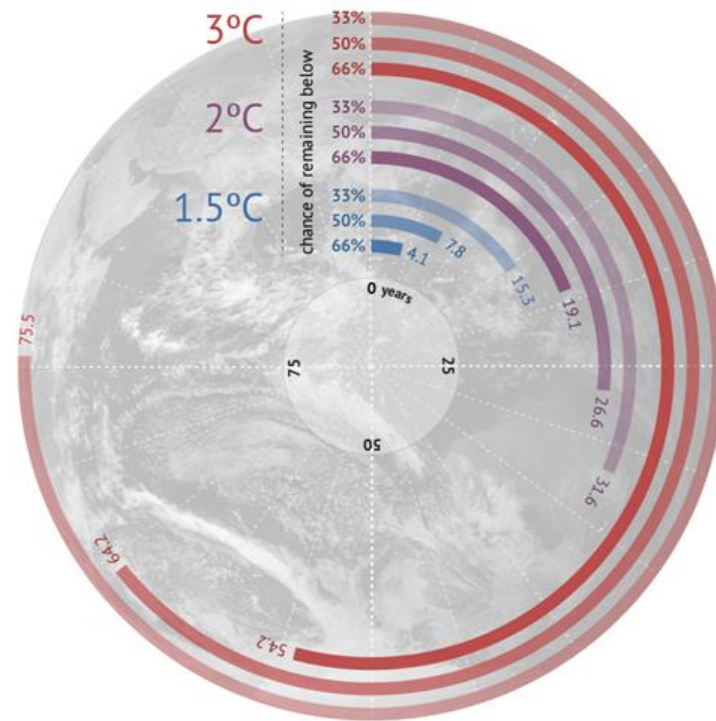
# And are still growing



Source: [BP 2016](#); [Jackson et al 2015](#);  
[Global Carbon Budget 2016](#)

# Carbon budget running out

If we want a 2/3 chance of staying  $<2^{\circ}\text{C}$ , most of proven fossil fuel reserves can not be burned



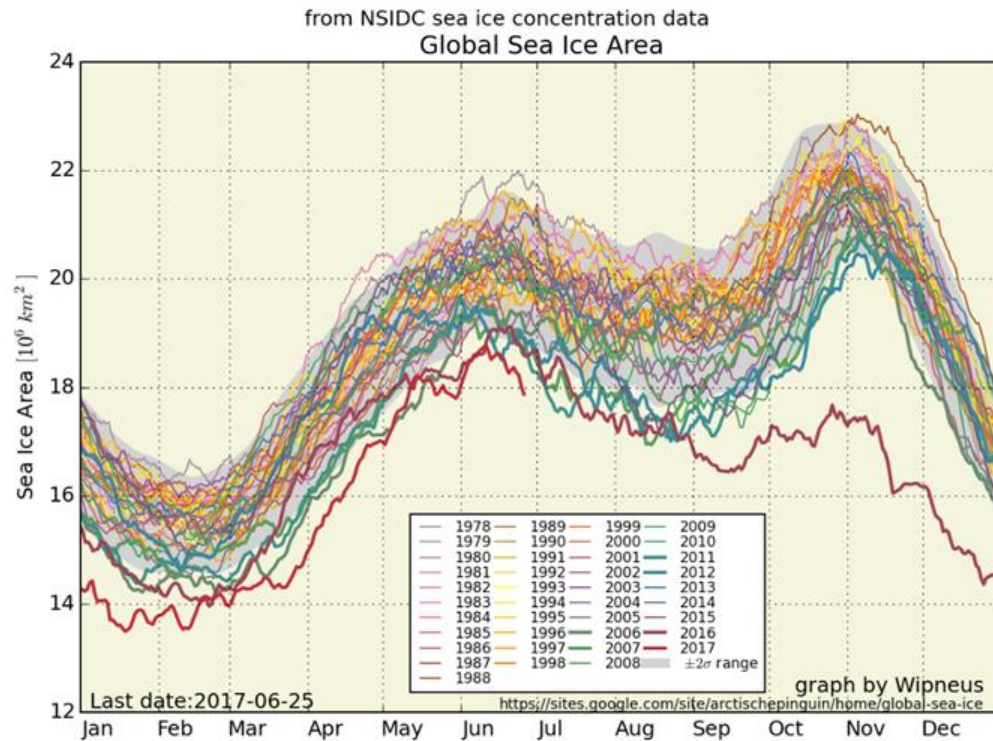


# What else have we unleashed?

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- Permafrost
- Soil carbon loss
- Forest die-back
- Ocean current changes
- Loss of sea ice
- What would a tipping point look like?

# Global sea ice



# Is it too late?

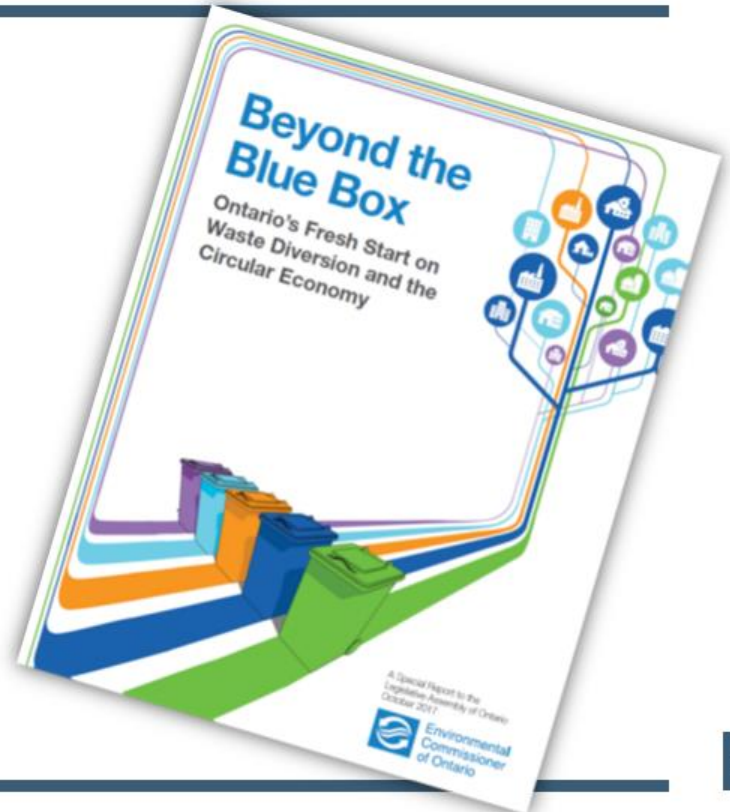
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- We are in for big changes
- There is still a little time to have an impact on what's coming
- Our choices, right now, matter

# 3: Opportunities: waste reduction and the circular economy

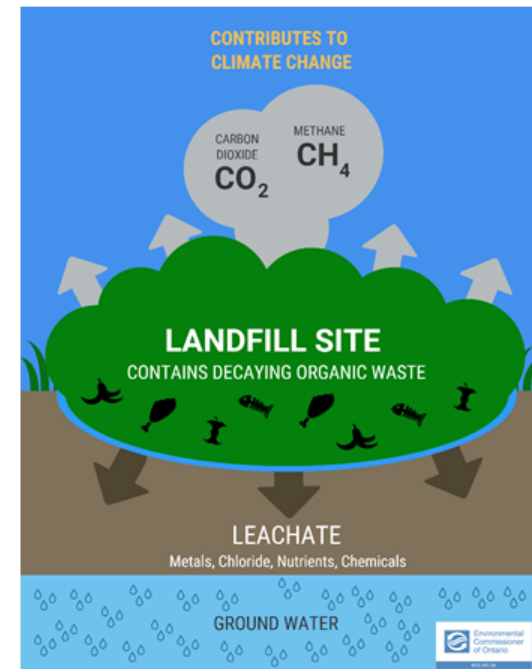
# New Report: *Beyond the Blue Box*

- Consequences of waste
- History of recycling in Ontario
- Problems with the old law (WDA)
- The new Waste-Free Ontario framework
- Ontario's transition to a circular economy
- Recommendations



# Waste has environmental consequences

- Landfilling:
  - soil and groundwater pollution
  - organics contribute to climate change
  - uses up precious disposal capacity
  - squanders valuable resources

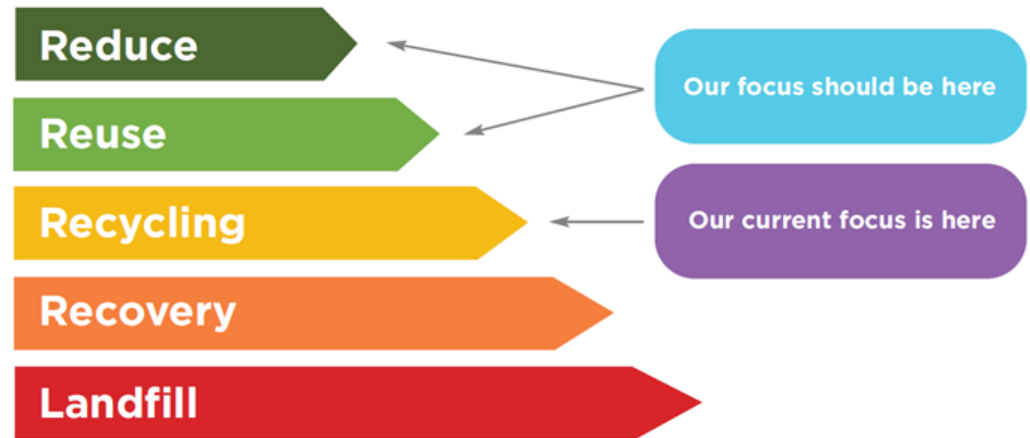


# Efforts over past 40 years

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- Focus has been almost exclusively on recycling
  - We continue to produce mountains of waste: almost 1 tonne/person/year
  - Diversion rates have stagnated at 25%

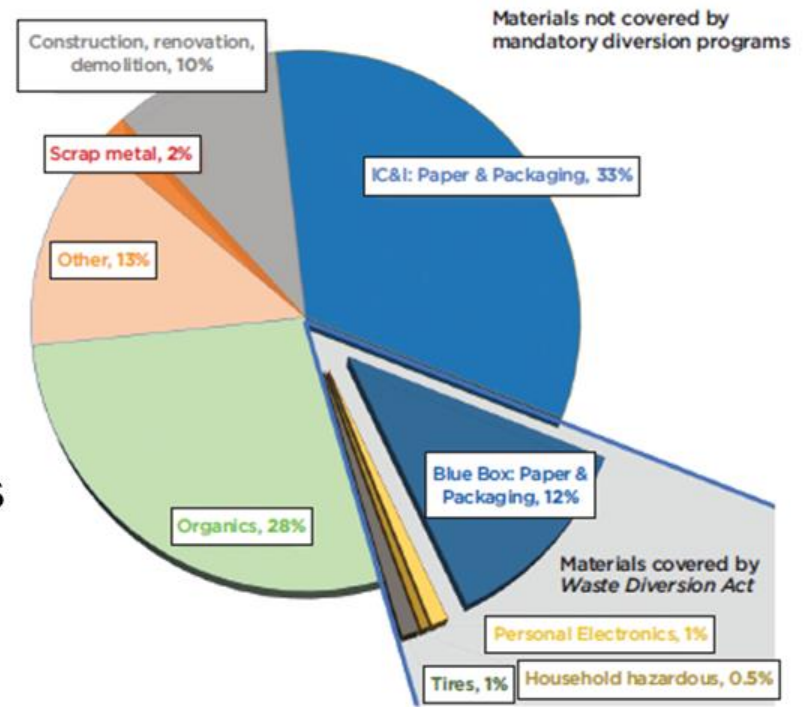
Most favoured option



Least favoured option

# Problems with the old law

- *Waste Diversion Act, 2002* only captured small portion of materials
- Weak requirements for industrial, commercial and institutional (IC&I) sectors
- Did not address economic barriers





# Waste-Free Ontario: what's new?

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## In the Law:

- Direct producer responsibility
- Enhanced transparency and accountability measures
  - Data collection
  - Service provider responsibilities
- Enforcement responsibilities
- Circular Economy

## In the Strategy:

- Improving IC&I diversion
- Regulatory review
- Designating new materials
- Organics action plan
- Excess soil management policy
- Procurement

# The circular economy

- Fundamental change in thinking
- Designing products with durability and reuse in mind



FIGURE 5.1. Linear Economy versus the Circular Economy. Source: Sustainable Brands.

# Climate change and the circular economy

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- CO<sub>2</sub> embodied in goods and materials represents a massive, under-recognized source of GHG emissions
  - Extracting raw materials generates GHGs, as well as releases toxic chemicals into the air and water
  - Reusing and recycling materials means fewer raw materials extracted from the earth
- Huge economic and employment promise of a low-waste economy

# What the strategy says:

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- Provide clear direction via policy statements
- Improve and establish environmental standards
- Use green procurement practices
- Implement disposal bans

# Circular Economy

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## ECO Recommendations:

- Make the ultimate goal of Ontario's circular economy policies the creation of **profitable markets** for all end-of-life materials
- Work with other ministries to **integrate** circular economy objectives into policy and practice across government



# What's the role for producers?

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- Direct producer responsibility can refocus producers on design for the environment:
  - Make products better, make them last longer
  - Rethink packaging: find ways to reduce packaging or replace with more recyclable/reusable materials
- Potential for producers to help develop markets for recycled materials (incorporate into product design)

# What are the challenges?

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- Major cultural, economic, social shift
- Design and process changes
- Training a skilled workforce
- Supporting innovative businesses

# Learning from others

- Scotland
- European Union
- China

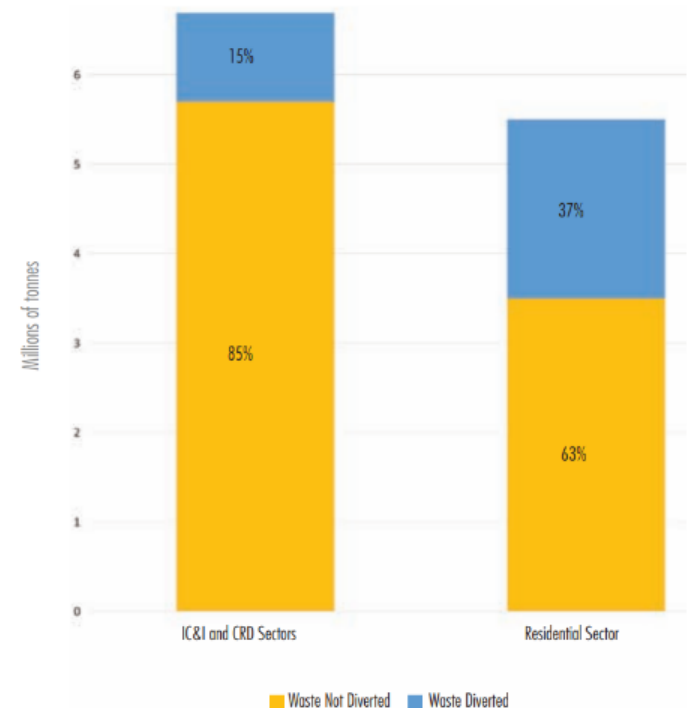




# What else will help?

## Get IC&I to pull their weight:

- Over half of Ontario's waste (6.7 tonnes/year) is from IC&I and CRD sectors
- IC&I has low diversion rate (~15%)
  - Compare to residential waste diversion rate: 37% or higher



Source: Statistics Canada (data for 2014).

# IC&I Action

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**ECO Recommendation: Expand and enforce source separation and diversion obligations for the IC&I sectors.**



Photo credit: <https://www.dal.ca/news/2015/09/01/the-next-generation-of-waste-management-on-campus.html>

# What else will help?

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## Strong recycling standards

- High standards are critical to ensure high-quality materials and good environmental results
- Create a level playing field



# Recycling standards

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## ECO Recommendation:

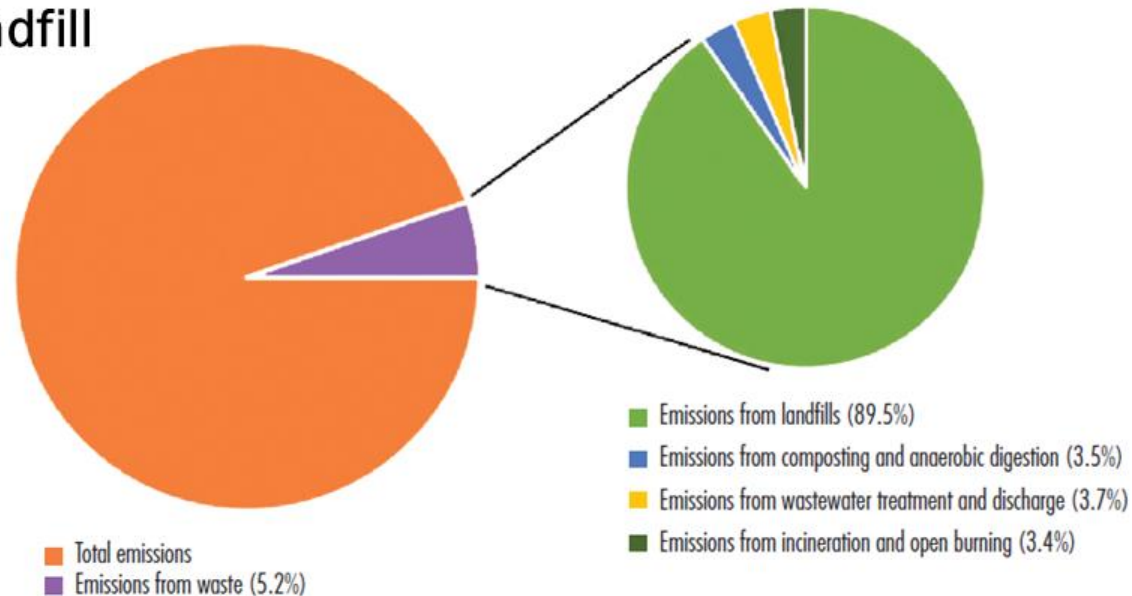
Develop recycling standards that are **clear, enforceable** and provide a **high level of environmental protection**



# What else will help?

## Getting organics out of landfill

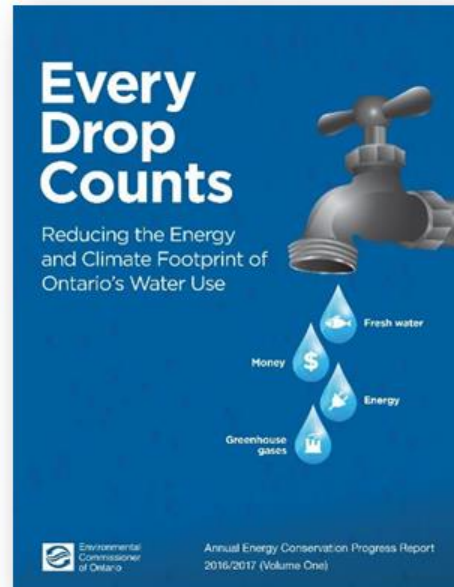
- Almost all waste GHGs are from organics in landfill
- Waste contributed 5.2% (8.6 Mt) of Ontario's total GHGs in 2015
  - 7.7 Mt from landfills
  - Mostly methane





# Why is this important?

- Methane is also a:
  - health hazard at high concentrations
  - contributor to ground level ozone
- Wasted fuel source
- Waste nutrients





# Organic waste

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## ECO Recommendations:

- Adopt some form of **disposal ban** on food waste
- Make the process for approving anaerobic digestion and composting facilities **fast and predictable**, while still protecting public health and environmental interests



# Questions?



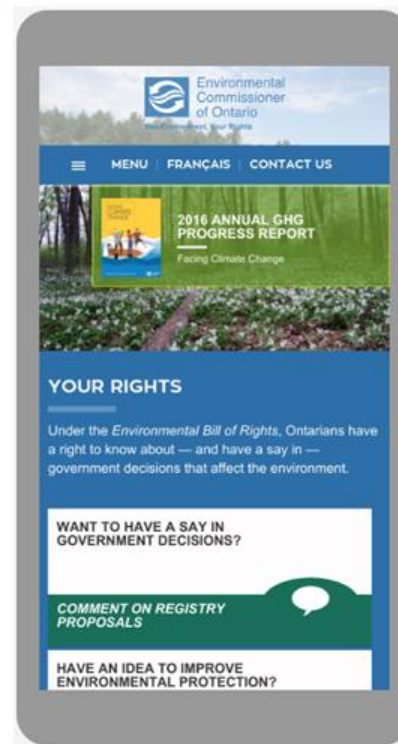
commissioner@eco.on.ca



@Ont\_ECO



/OntarioEnvironmentalCommissioner



## Poll #2: What should be the priority for producers designing packaging in a circular economy?

- Develop longer-lasting products
- Reduce packaging or replace with more recyclable/reusable materials
- Develop markets for recycled materials (incorporated into product design)

[www.pollev.com/cssa](http://www.pollev.com/cssa)



Canadian Stewardship  
Services Alliance

# Packaging Materials and the Circular Economy

Panel Discussion



# Today's Panel

- John Coyne – moderator
- Joe Hruska
  - Canadian Plastics Industry Association
- Isabelle Faucher
  - Carton Council of Canada
- Rachel Morier
  - PACNext

*Panel Discussion:*

# Canadian Plastics Industry Association



**Joe Hruska**





## *Panel Discussion:* **Carton Council of Canada**



**Isabelle Faucher**





## *Panel Discussion:* **PACNext**



**Rachel Morier**



# *Panel Discussion:* **Material Evolution and Trends that will Influence Stewards...**



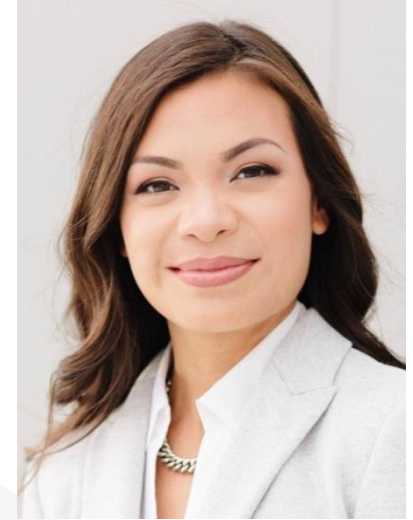
**John Coyne**



**Joe Hruska**



**Isabelle Faucher**



**Rachel Morier**

## Poll #3 How important is it for your company to know the details of what happens to the PPP you provide to the marketplace?

- Very important
- Somewhat important
- Not important

[www.pollev.com/cssa](http://www.pollev.com/cssa)



Canadian Stewardship  
Services Alliance

# \*BREAK\*





Canadian Stewardship  
Services Alliance



# Program Reviews





# Annual Steward Meeting

October 31, 2017

**Karen Melnychuk,  
Executive Director**

  
**MMSM**  
**Multi-Material  
Stewardship Manitoba**  
INDUSTRY FUNDING RECYCLING



# MMSM Update

- Program Plan
- Steward Consultations
- Promotion & Education
- Recycling & Accessibility Performance
- 2018 Budget
- 2018 Fee Schedule



# Program Plan for 2017-2021

- Initiated in 2016
- Further consultations with municipalities and government
- Revised Plan available at [stewardshipmanitoba.org](http://stewardshipmanitoba.org)



Packaging and Printed Paper (PPP)  
Program Plan  
2017-2021  
March 2017

# Steward Consultations

- Billing Dates



- Rules and Policies

- Dispute Resolution Policy
- Administrative Fee, Interest and Penalty Policy
- Onboarding Policy
- Parallel Importation Policy
- Revised Steward-Initiated Adjustment Requests
- Reporting and Deductions Policy

# Promotion & Education

- “Recycle Something New” campaign
- Plastic bag reduction

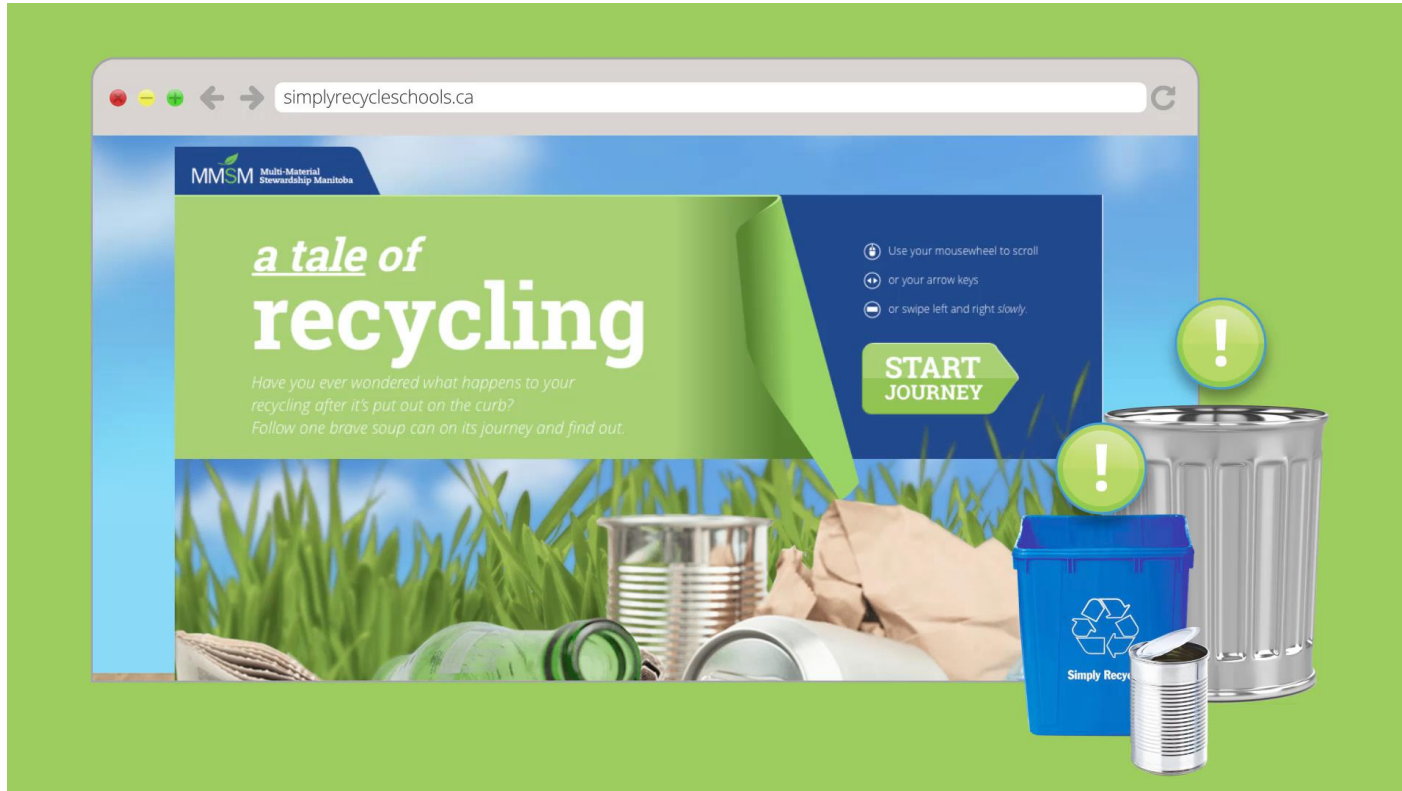


# Promotion & Education

- First Nations and northern communities
- Single-family dwelling project
- School Programs



# A Tale of Recycling



<http://simplyrecycle.ca/school-programs/>

# 2016 Performance

## RECYCLING AND ACCESSIBILITY PERFORMANCE FOR 2016

METRIC	MANITOBA 2016	MANITOBA 2015	YOY VARIANCE
<b>RECYCLING PERFORMANCE</b>			
Eligible Recovered Tonnes	82,146	82,184	0.0%
Generated Tonnes	132,682	125,579	5.7%
Recovery Rate*	61.9%	65.4%	-5.4%
Population Serviced by PPP Program	1,206,492	1,139,942	5.8%
Recovered kg per capita	68.1	72.1	-5.6%
<b>ACCESSIBILITY PERFORMANCE</b>			
# Households Serviced	517,387	490,443	5.5%
% Households with Access to PPP Program	94.4%	94.3%	0.0%
P & E Cost per capita*	\$0.70	\$0.72	-3.2%
% of residents aware and using recycling services**	96.0%	96.0%	0.0%



# 2018 Budget

MMSM BUDGET			
	2018	2017	YOY VARIANCE
<b>OBLIGATION SHARE</b>	<b>80%</b>	<b>80%</b>	
Share of Supply Chain Costs	\$17,381,389	\$15,720,843	10.6%
Promotion & Education	\$610,000	\$640,000	-4.7%
Research & Market Development	\$5,000	\$-	100.0%
Program Management*	\$2,081,695	\$2,072,253	0.5%
Government Fees	\$95,000	\$95,000	0.0%
<b>TOTAL FEE OBLIGATION (BEFORE SURPLUS)</b>	<b>\$20,173,084</b>	<b>\$18,528,096</b>	<b>8.9%</b>
Program Management as % of Total Fees	10.3%	11.2%	-7.7%
Surplus Accumulation (Drawdown)**	\$900,000	\$(1,000,000)	190.0%
<b>TOTAL FEE BUDGET</b>	<b>\$21,073,084</b>	<b>\$17,528,096</b>	<b>20.2%</b>



# 2018 Fee Schedule

MMSM FEE SCHEDULE (CENTS/KG)				
Category	Material	2018 Fee Rates (cents/ kg)	2017 Fee Rates (cents/ kg)	Variance %
PRINTED PAPER	Newsprint	7.31	6.23	17.3%
	Magazines and Catalogues	7.64	6.38	19.7%
	Telephone Books	7.64	6.38	19.7%
	Other Printed Paper	7.64	6.38	19.7%
PAPER PACKAGING	Corrugated Cardboard	28.48	22.79	25.0%
	Boxboard	28.48	22.79	25.0%
	Gable Top Cartons	63.19	57.04	10.8%
	Paper Laminates	63.19	57.04	10.8%
	Aseptic Containers	63.19	57.04	10.8%
PLASTICS	PET Bottles	36.05	26.73	34.9%
	HDPE Bottles	26.08	21.04	24.0%
	Plastic Film	49.89	43.20	15.5%
	Other Plastics	49.89	43.20	15.5%
STEEL	Steel Food & Beverage Cans	14.87	10.66	39.5%
	Steel Aerosols	14.87	10.66	39.5%
	Other Steel Containers	14.87	10.66	39.5%
ALUMINUM	Aluminum Food & Beverage Cans	-42.86	-40.62	-5.5%
	Other Aluminum Packaging	14.81	14.78	0.2%
GLASS	Clear Glass	6.10	4.79	27.3%
ENHANCED BAG FEE	Plastic bags per unit	0.06	0.06	-0.5%

# 2017 Annual Steward Meeting

Allen Langdon,  
Managing Director



# MMSW Update

- First full year for program
- P&E to build awareness



# MMSW Update

- Transition period completed
  - New small business and flat-fee categories
- Milk containers added to beverage deposit program
- Non-resident franchisor clarification

# 2016 Performance

## RECYCLING AND ACCESSIBILITY PERFORMANCE FOR 2016

METRIC	MMSW 2016
<b>RECYCLING PERFORMANCE</b>	
Recovered Tonnes	36,675
Supplied Tonnes	58,876
Recovery Rate	62.3%
Population Serviced by PPP Program	825,564
Recovered kg per capita	44.4
<b>ACCESSIBILITY PERFORMANCE</b>	
# Households Serviced	352,426
% Households with Access to PPP Program	81.5%
P & E Cost per capita	\$0.06
% of residents aware and using recycling services	N/A*

# 2016 Performance

## FINANCIAL PROGRAM PERFORMANCE FOR 2016

### COST PERFORMANCE

MMSW  
2016

Recovered Tonnes

36,675

Net Cost

\$5,561,039

Net Cost per Tonne

\$152

Net Cost per capita

\$7

Recovered kg per capita

44.4



# 2018 Budget

MMSW BUDGET			
	2018	2017	YOY VARIANCE
<b>OBLIGATION SHARE</b>	<b>75%</b>	<b>75%</b>	
Share of Supply Chain Costs	\$5,596,921	\$5,340,864	4.8%
Promotion & Education	\$75,000	\$75,000	0.0%
Program Management	\$1,421,949	\$1,448,073	-1.8%
Working Capital Accumulation	-	-	
Program Management as % of Total Fees	20.0%	21.1%	-5.0%
<b>TOTAL BUDGET</b>	<b>\$7,093,870</b>	<b>\$6,863,937</b>	<b>3.3%</b>

# 2018 Fee Schedule

MMSW FEE SCHEDULE (CENTS/KG)				
Category	Material	2018 Fee Rates (cents/ kg)	2017 Fee Rates (cents/ kg)	Variance %
PRINTED PAPER	Newsprint	4.00	4.00	0.0%
	Magazines and Catalogues	4.00	4.00	0.0%
	Telephone Books	4.00	4.00	0.0%
	Other Printed Paper	4.00	4.00	0.0%
PAPER PACKAGING	Corrugated Cardboard	9.00	9.00	0.0%
	Boxboard	9.00	9.00	0.0%
	Gable Top Cartons	20.00	20.00	0.0%
	Paper Laminates	20.00	20.00	0.0%
	Aseptic Containers	20.00	20.00	0.0%
PLASTICS	PET Containers	17.00	17.00	0.0%
	HDPE Containers	17.00	17.00	0.0%
	Plastic Film	27.00	27.00	0.0%
	Plastic Laminates	31.00	31.00	0.0%
	Polystyrene	27.00	27.00	0.0%
	Other Plastics	27.00	27.00	0.0%
STEEL	Other Steel Packaging	8.00	8.00	0.0%
	Steel Aerosols	8.00	8.00	0.0%
	Steel Paint Cans	8.00	8.00	0.0%
ALUMINUM	Aluminum Food & Other Containers	19.00	19.00	0.0%
	Other Aluminum Packaging	19.00	19.00	0.0%
GLASS	Clear Glass	4.00	4.00	0.0%
	Coloured Glass	4.00	4.00	0.0%

# 2017 ANNUAL STEWARD MEETING

Allen Langdon, Managing Director

OCTOBER 31, 2017



RECYCLEBC<sup>TM</sup>

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# ORGANIZATION REBRAND

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Same recycling program, **NEW BRAND.**



[RecycleBC.ca](http://RecycleBC.ca)

# ON-STREET RECYCLING

- 31 on-street recycling stations in downtown Vancouver's West End neighbourhood and Stanley Park
- August 2016 – May 2017
- All stations include bins for containers, paper, and garbage; some stations include organics bin
- Project findings:
  - Printed paper and beverage deposit containers were the two materials that were most often correctly sorted into the appropriate bins (paper and containers, respectively).
  - Paper was more accurately sorted than containers in all three audit periods.
  - The garbage bins consistently received the most amount of materials (including materials that could have been placed in one of the recycling bins).
  - The container recycling bin was contaminated with a notable amount of liquid (from recyclable cups and containers that were not completely empty).



# PROMOTION AND EDUCATION

- Advertising
- Partnerships
- Community events team
- Additional awareness and education tools
  - Social media
  - Website
  - Mobile app
  - Recycling guides
  - Collector resources





# ADDITIONAL UPDATES

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- Program Growth – New Communities
- Stewardship Plan extended
- Flat fees – Online Assessment Tool



# 2016 PERFORMANCE

RECYCLING AND ACCESSIBILITY PERFORMANCE FOR 2016			
METRIC	BC 2016	BC 2015	YOY VARIANCE
<b>RECYCLING PERFORMANCE</b>			
Recovered Tonnes	185,477	186,509	-0.6%
Supplied Tonnes	238,062	243,191	-2.1%
Recovery Rate	77.9%	76.7%	1.6%
Provincial Recovery Target	75%	75%	-
Population Serviced by PPP Program*	4,560,457	4,282,219	6.5%
Recovered kg per capita	40.7	43.6	-6.6%
<b>ACCESSIBILITY PERFORMANCE</b>			
# Households Serviced*	1,843,709	1,714,761	7.5%
% Households with Access to PPP Program*	98.1%	97.3%	0.8%
P & E Cost per capita	\$0.47	\$0.42	13.7%
% of residents aware and using recycling services	99.0%	99.0%	0.0%

# 2016 PERFORMANCE

## FINANCIAL PROGRAM PERFORMANCE FOR 2016

COST PERFORMANCE	BC 2016	BC 2015	YOY VARIANCE
Recovered Tonnes	185,477	186,509	-0.6%
Net Cost	\$73,831,727	\$73,801,736	0.0%
Net Cost per Tonne	\$398	\$396	0.6%
Net Cost per capita	\$16	\$17	-6.1%
Recovered kg per capita	40.7	43.6	-6.6%

# 2018 BUDGET

RECYCLE BC BUDGET			
	2018	2017	YOY VARIANCE
<b>OBLIGATION SHARE</b>	<b>100% industry managed</b>	<b>100% industry managed</b>	
Share of Supply Chain Costs	\$82,309,027	\$72,962,398	12.8%
Promotion & Education	\$1,900,000	\$1,800,000	5.6%
Program Management	\$7,172,177	\$7,558,538	-5.1%
Program Management as % of Total Fees	7.8%	9.2%	-14.5%
<b>TOTAL BUDGET</b>	<b>\$91,381,204</b>	<b>\$82,320,936</b>	<b>11.0%</b>

# 2018 FEE SCHEDULE

RECYCLE BC FEE SCHEDULE (CENTS/KG)				
Category	Material	2018 Fee Rates (cents/ kg)	2017 Fee Rates (cents/ kg)	Variance %
PRINTED PAPER	Newsprint	11.00	11.00	0.0%
	Magazines and Catalogues	11.00	11.00	0.0%
	Telephone Books	11.00	11.00	0.0%
	Other Printed Paper	11.00	11.00	0.0%
PAPER PACKAGING	Corrugated Cardboard	24.00	24.00	0.0%
	Boxboard	24.00	24.00	0.0%
	Gable Top Cartons	52.00	52.00	0.0%
	Paper Laminates	52.00	52.00	0.0%
	Aseptic Containers	52.00	52.00	0.0%
PLASTICS	PET Containers	53.00	53.00	0.0%
	HDPE Containers	53.00	53.00	0.0%
	Plastic Film	91.00	91.00	0.0%
	Plastic Laminates	102.00	102.00	0.0%
	Polystyrene	91.00	91.00	0.0%
	Other Plastics	91.00	91.00	0.0%
STEEL	Other Steel Packaging	20.00	20.00	0.0%
	Steel Aerosols	20.00	20.00	0.0%
	Steel Paint Cans	20.00	20.00	0.0%
ALUMINUM	Aluminum Food & Milk Containers	26.00	26.00	0.0%
	Other Aluminum Packaging	26.00	26.00	0.0%
GLASS	Clear Glass	15.00	15.00	0.0%
	Coloured Glass	15.00	15.00	0.0%



# RECYCLEBC™

*Making a difference together.*



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Thinking  
beyond  
the box

Stewardship Ontario

# **2017 Annual Steward Meeting**

David Pearce

October 31, 2017

# Amended Blue Box Program Plan (a-BBPP)



Consultations underway: Two-phased approach:

**Phase 1:** October 25 -- consultation meeting held on aspects of the program plan that pertain to stewards

- All materials posted at: [www.stewardshipontario.ca/a-bbpp/](http://www.stewardshipontario.ca/a-bbpp/) and feedback requested by **November 17**

**Phase 2:** December 22 -- SO and RPRA will release draft of the a-BBPP proposal

- Webinar on draft plan on **January 8**
- Feedback required by **January 15**

Amended BBPP must be approved by the RPRA and submitted to Minister by **February 15, 2018**

# 2016 Performance

## RECYCLING AND ACCESSIBILITY PERFORMANCE FOR 2016

METRIC	ONTARIO 2016	ONTARIO 2015	YOY VARIANCE
<b>RECYCLING PERFORMANCE</b>			
Recycled Tonnes	836,227	852,437	-1.9%
Generated Tonnes	1,340,947	1,332,544	0.6%
Recycling Rate	62.4%	64.0%	-2.5%
Provincial Recycling Target	60%	60%	-
Population Serviced by PPP Program	12,814,578	12,830,228*	-0.1%
Recycled kg per capita	65.3	66.4*	-1.8%
<b>ACCESSIBILITY PERFORMANCE</b>			
# Households Serviced	5,174,930	5,165,154*	0.2%
% Households with Access to PPP Program	94.6%	95.3%*	-0.7%
P & E Cost per capita**	\$0.64	\$0.58*	9.7%
% of residents aware and using recycling services***	97.0%	97.0%	0.0%

# 2016 Performance

## FINANCIAL PROGRAM PERFORMANCE FOR 2016

COST PERFORMANCE	ONTARIO 2016	ONTARIO 2015	YOY VARIANCE
Recycled Tonnes	836,227	852,437	-1.9%
Net Cost*	\$258,540,366	\$263,726,504	-2.0%
Net Cost per Tonne	\$309	\$309	-0.1%
Net Cost per capita	\$20	\$21**	-1.8%
Recycled kg per capita	65.3	66.4**	-1.8%

# 2018 Budget

## STEWARDSHIP ONTARIO BUDGET

	2018	2017 (reported net cost)	YOY VARIANCE
<b>OBLIGATION SHARE</b>	<b>50%</b>	<b>50%</b>	
Share of Supply Chain Costs *	\$119,521,542	\$123,750,323	-3.4%
Promotion & Education and Market Development	\$575,000	\$505,000	13.9%
Program Management	\$4,159,723	\$4,036,932	3.0%
Regulatory	\$1,700,000	\$1,200,000	41.7%
Cost Containment Drawdown	\$-	\$(5,433,492)	-100.0%
Printed Paper Reserve Drawdown	\$-	\$(1,240,681)	-100.0%
Market Development Reserve Drawdown	\$-	\$(95,000)	-100.0%
<b>TOTAL FEE BUDGET (Steward Fees)</b>	<b>\$125,956,265</b>	<b>\$122,723,083</b>	<b>2.6%</b>

# 2018 Fee Schedule

STEWARDSHIP ONTARIO FEE SCHEDULE (CENTS/KG)				
Category	Material	2018 Fee Rates (cents/ kg)	2017 Fee Rates (cents/ kg)	Variance %
PRINTED PAPER	Newsprint - CNA/OCNA	0.47	0.37	25.4%
	Newsprint - Non-CNA/OCNA	5.68	5.27	7.8%
	Magazines and Catalogues	8.47	8.84	-4.2%
	Telephone Books	10.62	9.71	9.4%
	Other Printed Paper	16.93	17.45	-3.0%
PAPER PACKAGING	Corrugated Cardboard	9.39	9.61	-2.3%
	Boxboard	9.39	9.54	-1.5%
	Gable Top Cartons	22.92	22.75	0.7%
	Paper Laminates	22.92	22.69	1.0%
	Aseptic Containers	22.92	22.83	0.4%
PLASTICS	PET Bottles	15.97	15.99	-0.1%
	HDPE Bottles	11.89	11.88	0.1%
	Plastic Film	33.01	32.96	0.1%
	Plastic Laminates	33.01	32.90	0.3%
	Polystyrene	33.01	33.00	0.0%
	Other Plastics	33.01	33.02	0.0%
STEEL	Steel Food & Beverage Cans	6.50	6.33	2.7%
	Steel Aerosols	6.50	6.45	0.8%
	Steel Paint Cans	6.50	6.44	1.0%
ALUMINUM	Aluminum Food & Beverage Cans	3.33	4.16	-20.0%
	Other Aluminum Packaging	7.61	6.86	10.9%
GLASS	Clear Glass	3.77	3.77	-0.1%
	Coloured Glass	6.16	5.10	20.7%
IN-KIND		\$5,932,643	\$7,322,988	-19.0%



# Questions?





## Poll #4: Overall, this year's Annual Steward Meeting was a productive and effective use of my time.

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

[www.pollev.com/cssa](http://www.pollev.com/cssa)



# Material Cost Differentiation Project Update

**Tuesday, October 31, 2017**

# Today's Agenda

1. Background & Status
2. How the Material Cost Differentiation project impacts stewards

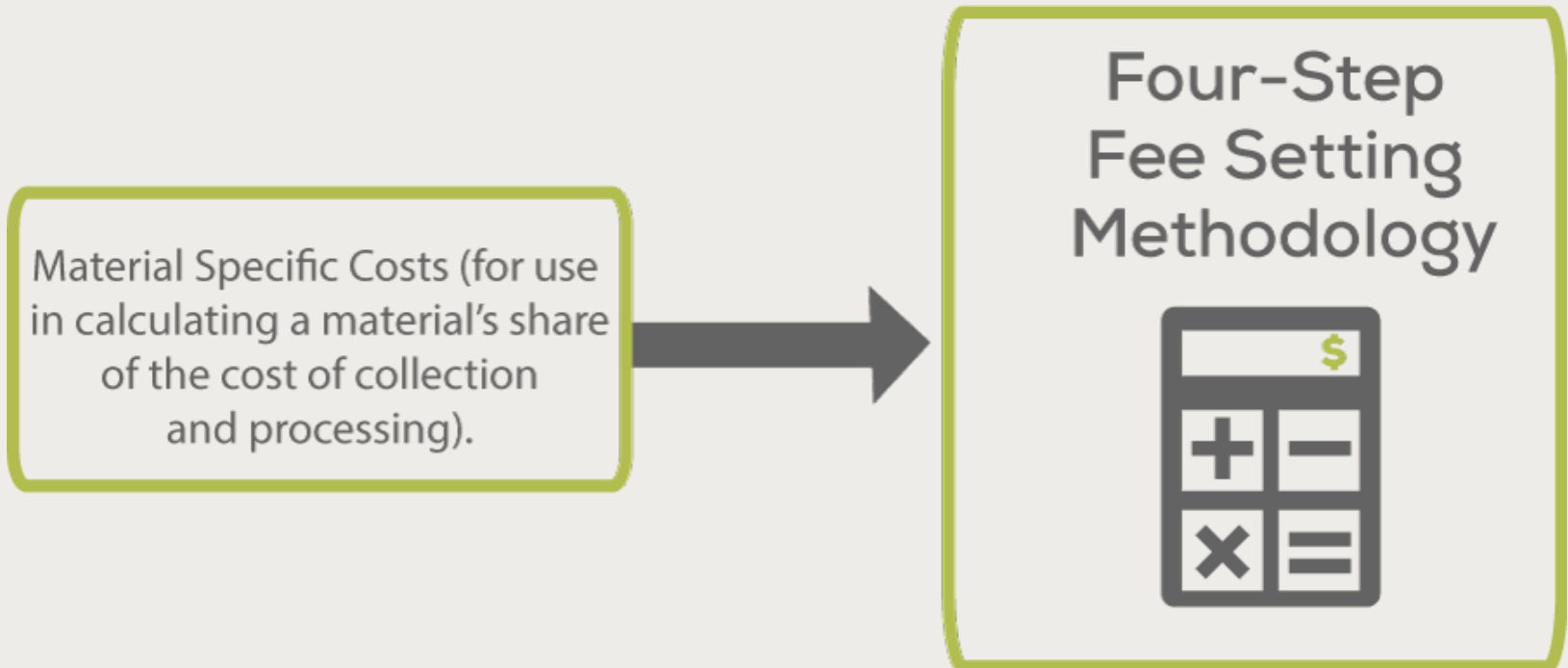


# 1. Background & Status

## The Material Cost Differentiation project was initiated in direct response to the decisions stewards made when developing the new Four-Step fee methodology

- Material specific cost inputs are used in fee setting and stewards confirmed these inputs remain important to the fee setting process
- Today, the material specific cost inputs are determined by conducting Activity-Based-Costing (ABC) studies ([click here](#) to watch a short video that explains the current ABC methodology)
- We need to find a new way of calculating the material specific cost input that reflects the impacts that material characteristics have on the cost of the recycling system

The MCD project will provide us with a new method of calculating the material specific cost inputs needed for fee setting



## 8 Guiding Principles developed for the project

- In Q4 of 2016, the boards of SO, MMSM, MMSW and Recycle BC assigned a board member to participate on the Guiding Principles Working Group
- Those principles were presented to, and approved by, the four boards in Q2 of this year
- The 8 guiding principles were communicated to stewards on July 5, 2017



# Guiding Principles

1. **Relativity counts.**
2. **All designated materials count.**
3. **All material characteristics count.**
4. **All activities count.**
5. **Value counts.**
6. **System design and operations count.**
7. **Emerging trends count.**
8. **The material mix counts.**

**Contact:**

**[mcd@cssalliance.ca](mailto:mcd@cssalliance.ca)**

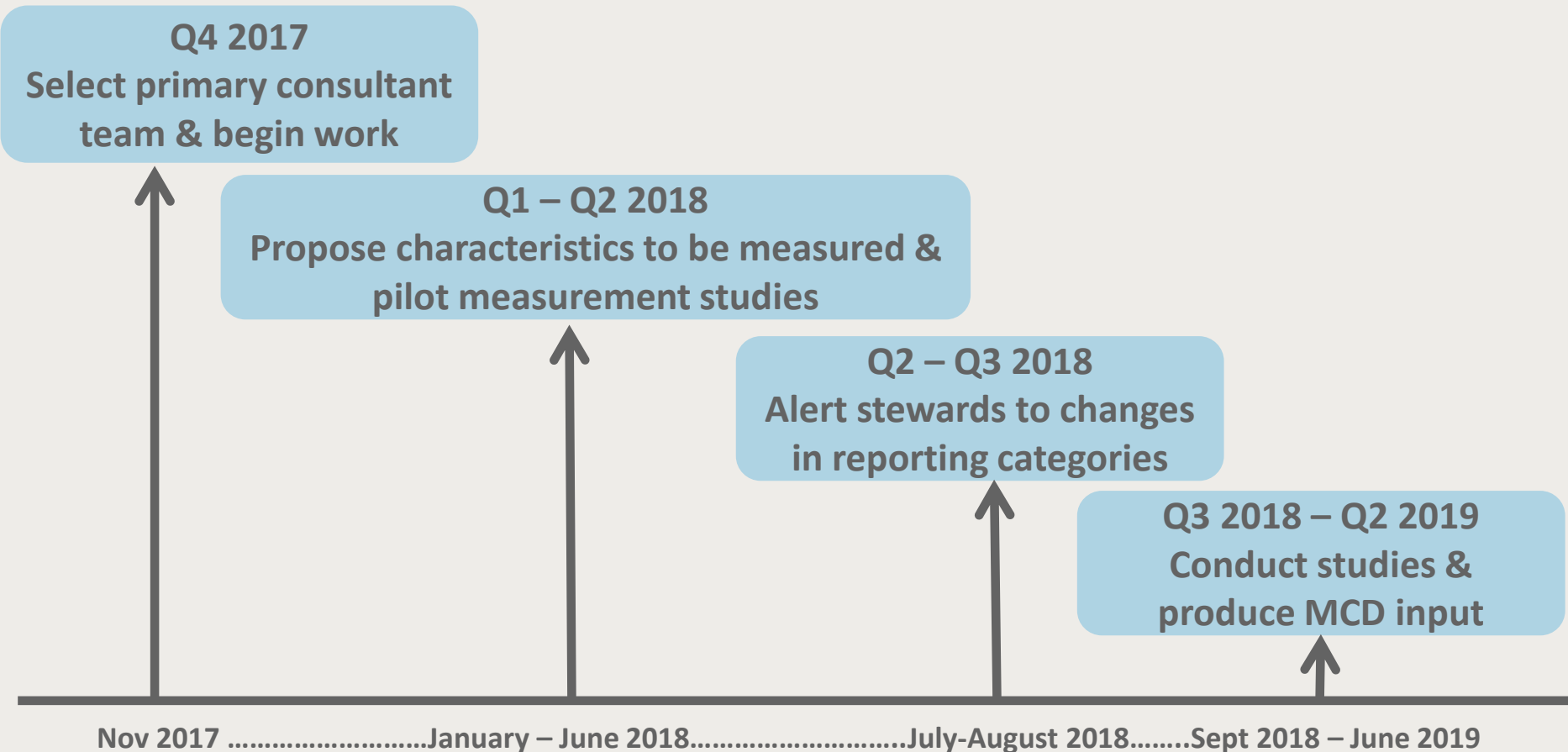
## Project is underway

- Steward governance is in place
- Steward communication will be consistent
- Expert consulting resources are being identified



## 2. Impacts on Stewards

**The current project plan objective is to complete the work by June 2019 and therefore impact 2020 fees**



## The outcome of the project could change the material reporting categories you will use when submitting your 2019 reports

- It is well understood that changes to reporting categories create work for stewards
- Stewards will be notified well in advance of any changes to the reporting categories



Canadian Stewardship  
Services Alliance

# Thank You!

Presentation available at  
[www.cssalliance.ca](http://www.cssalliance.ca)



# Steward Poll Results

1. The amount and type of information in the Report to Stewards is about right
2. What should be the priority for producers managing materials in a circular economy?
3. How important is it for your company to know the details of what happens to the PPP you provide to the marketplace?
4. Overall, this year's Annual Steward Meeting was a productive and effective use of my time





**Canadian Stewardship  
Services Alliance**

# Thank You!

1-888-980-9549

or

[info@cssalliance.ca](mailto:info@cssalliance.ca)

