



# The Climate Crisis in Cottage Country

## Becoming Part of the Solution

North Pigeon Lake Association  
(NPLA) AGM, July 23, 2022

Presentation By Terry Moore, VP  
Environment Haliburton, Host  
Planet Haliburton, Member  
Seniors for Climate Action Now!  
(SCAN!)

# **First, a Few Disclosures ...**

- **I'm NOT a Climate Scientist**
- **I'm NOT a "Scientist" of Any Kind**
- **I'm an Environmental Justice Activist**
  - **VP Environment Haliburton**
  - **Host, Planet Haliburton on CanoeFM**
- **President of Haliburton Highlands Green Burial Society**
- **Member of Seniors for Climate Action Now (SCAN!)**

**Now... A Few More “Carbon  
Intensive” Disclosures**



'Oh great, now we can't talk about religion, politics, OR the weather.'



**I Live in this House on Halls Lake, South of  
Dorset, north of Carnarvon**



**I Drive This SUV**



**Until Recently We Heated Our House With  
Wood and Propane**

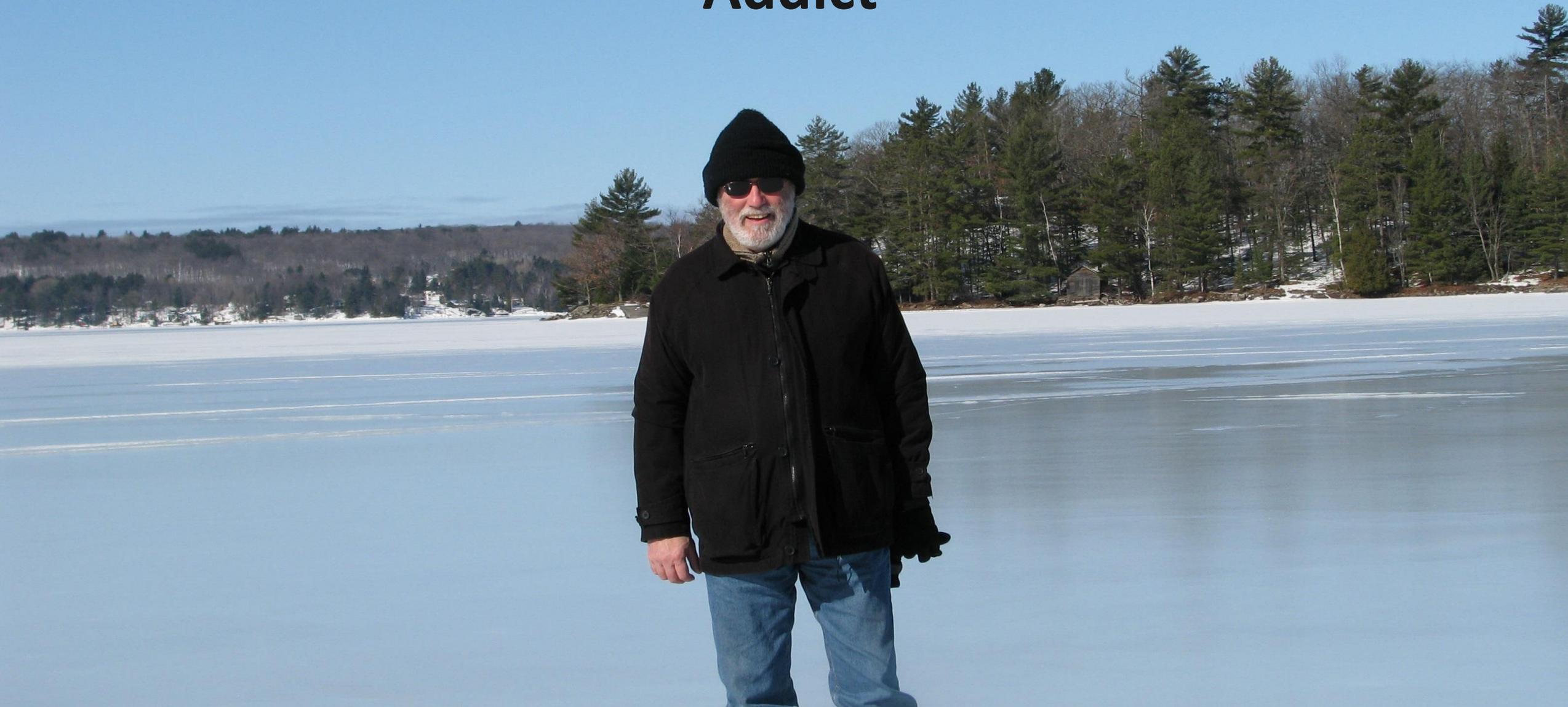


**We Use This Diesel Tractor and Blower  
to Clear Our Lane**

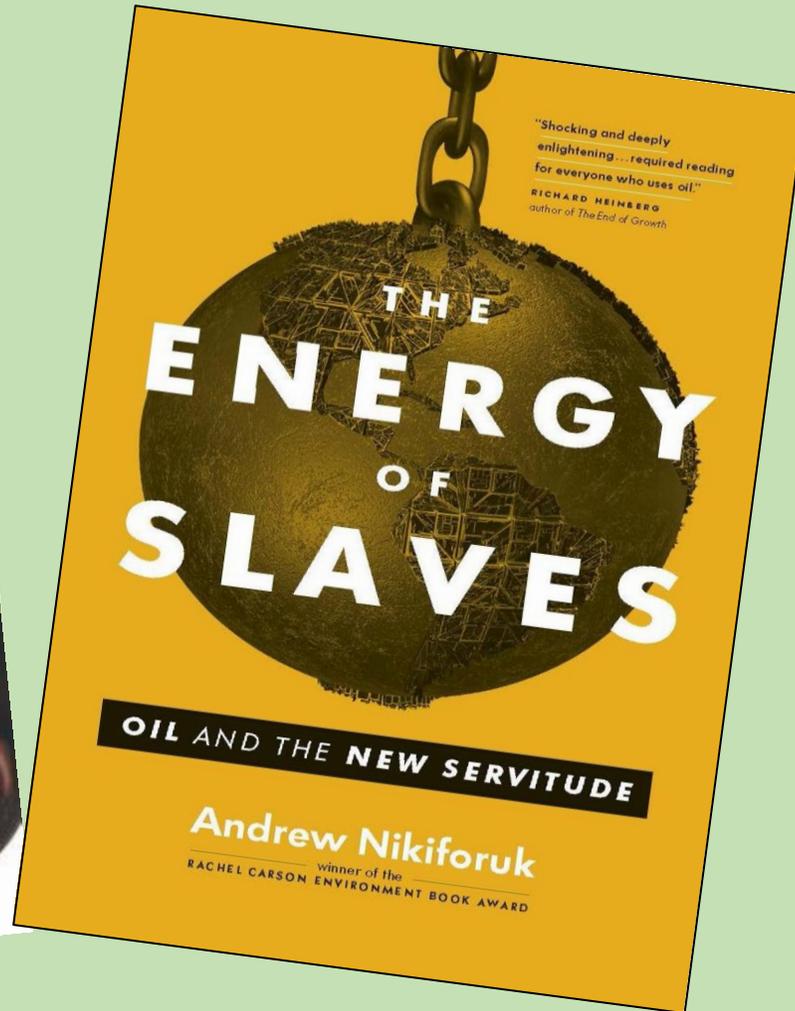
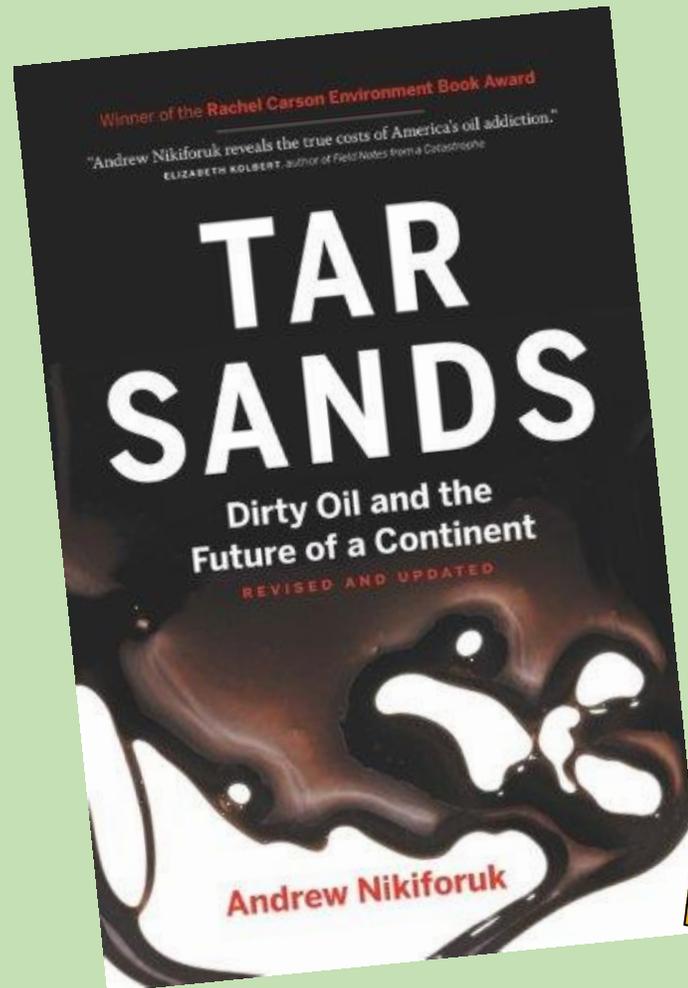
# **My Life is Dependent on Fossil Fuels**

- **My Home**
- **My Transportation**
  - **My Heat**
  - **My Food**
- **My Clothing**
- **My Communication**

# My Name is Terry and I'm a Fossil Fuel Addict



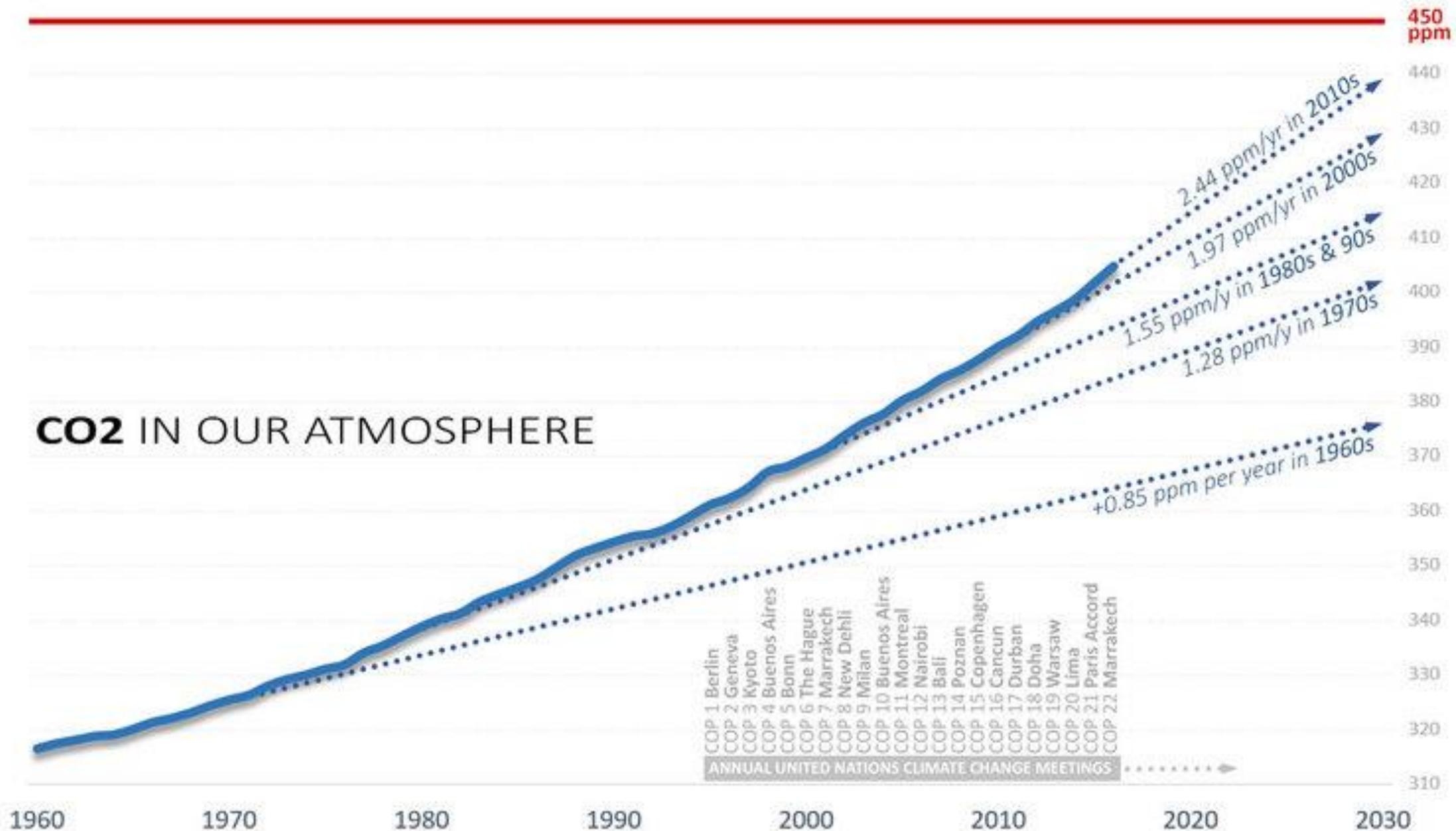
# Fossil Fuel Addiction



# Fossil Fuel Addiction

- **“Given that the average Canadian now consumes 24.7 barrels of oil a year ... every citizen employs about 204 virtual slaves.”**
- **“A nation of 35 million controls an incredible phalanx of 7.1 billion largely mechanical and oil fed workers.”**

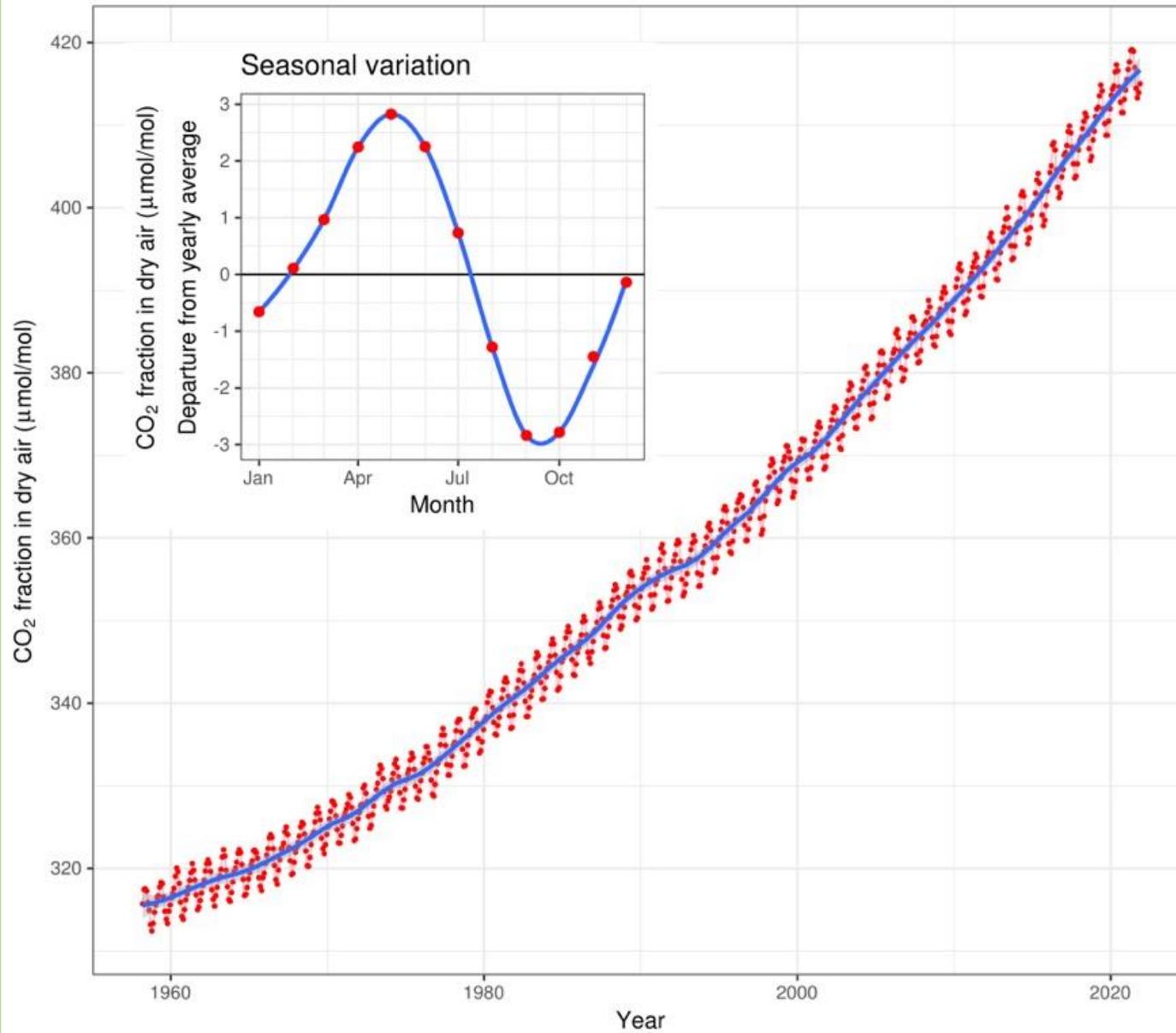
# CO2 IN OUR ATMOSPHERE



TOTAL CO2 IN OUR ATMOSPHERE – Data from NOAA ESRL showing part-per-million (ppm) increases per year at [www.esrl.noaa.gov/gmd/ccgg/trends/](http://www.esrl.noaa.gov/gmd/ccgg/trends/). Decade trends lines show the average annual CO2 increase for that decade, continued out to 2030. Chart by Barry Saxifrage at [NationalObserver.com](http://NationalObserver.com) and [VisualCarbon.org](http://VisualCarbon.org), March 2017.

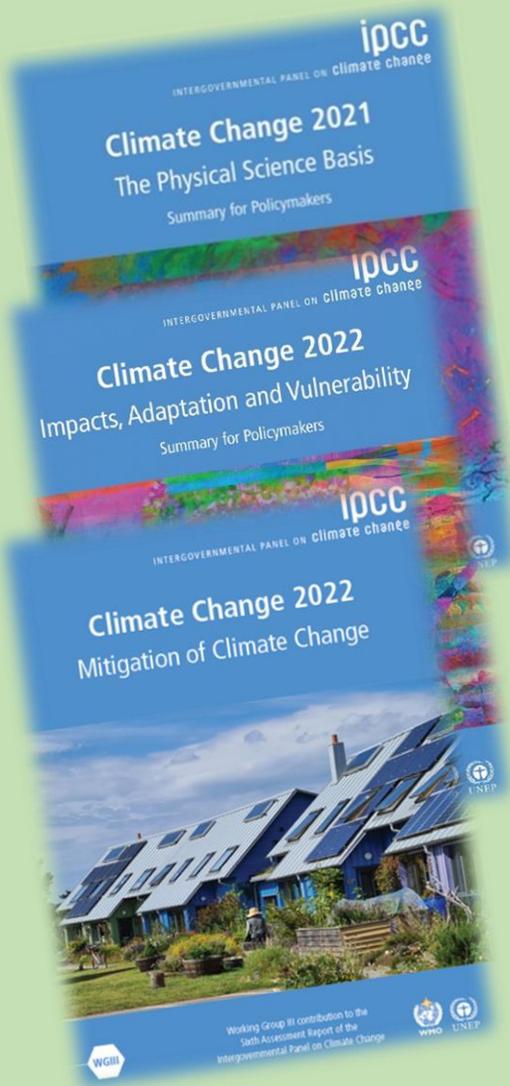
# Monthly mean CO<sub>2</sub> concentration

Mauna Loa 1958 - 2021

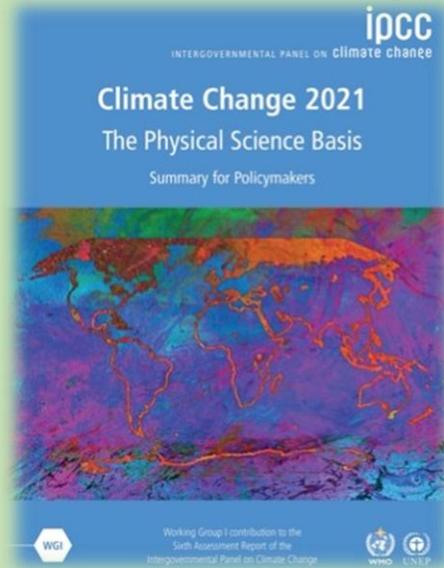


Data : Dr. Pieter Tans, NOAA/ESRL (<https://gml.noaa.gov/ccgg/trends/>) and Dr. Ralph Keeling, Scripps Institution of Oceanography (<https://scrippsco2.ucsd.edu/>). Accessed 2021-12-16 <https://w.wiki/4ZWn>

# Ever More Urgent Messages From Climate Scientists

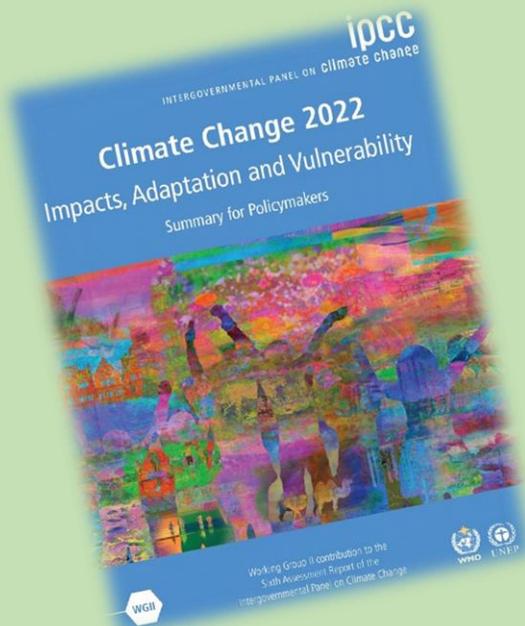


- The Intergovernmental Panel on Climate Change (IPCC)
    - created under the UN Framework Convention on Climate Change (UNFCCC) signed on at 1<sup>st</sup> Earth Summit in Rio on **12 June 1992**
    - 154 nations signed the UNFCCC, which came into force on March 12, 1994.
  - UNFCCC committed the world's governments to reduce atmospheric concentrations of greenhouse gases with the goal of "preventing dangerous anthropogenic interference with Earth's climate system".
  - The IPCC's mandate is to assess the state of climate science and make recommendations on the ways and means of preventing that dangerous interference with the climate system.
  - There have been 6 rounds of assessments - called Assessment Reviews or ARs - since 1994
  - These ARs are completed by 3 Working Groups focusing on:
    - \* The state of Physical Sciences;
    - \* Impacts, Adaptation and Sustainability; and
    - \* Mitigation of Climate Change
- WG 1 was released last summer in the lead up to the Glasgow Climate Summit in November followed by two others earlier this year.



**“Today’s IPCC Working Group 1 report is a code red for humanity. The alarm bells are deafening, and the evidence is irrefutable: greenhouse-gas emissions from fossil-fuel burning and deforestation are choking our planet and putting billions of people at immediate risk. Global heating is affecting every region on Earth, with many of the changes becoming irreversible.**

**“The internationally agreed threshold of 1.5°C is perilously close. We are at imminent risk of hitting 1.5°C in the near term. The only way to prevent exceeding this threshold is by urgently stepping up our efforts and pursuing the most ambitious path.”**



← Tweet



United Nations ✓

@UN

...

Now is the time to accelerate the energy transition.

A prompt, well-managed transition to renewables is the only pathway to energy security, universal access & the green jobs our world needs.

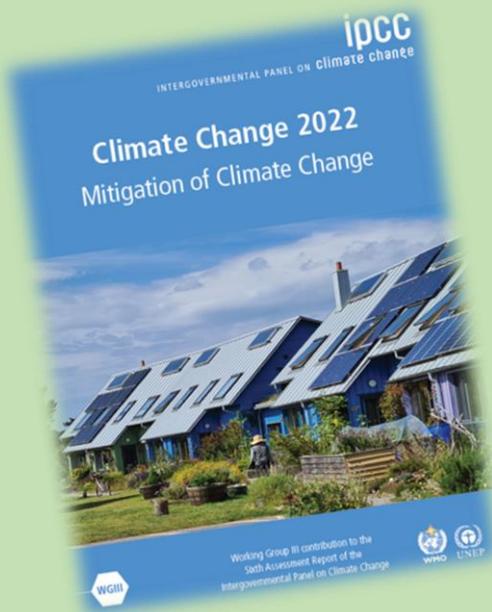
-- @antonioguterres on release of @IPCC\_CH climate report. [ipcc.ch/report/ar6/wg2](https://ipcc.ch/report/ar6/wg2)



▶▶ ANTÓNIO GUTERRES United Nations Secretary-General 

“  
**Fossil fuels are a dead end** —  
for our planet, for humanity,  
and yes, for economies.”

28 FEBRUARY 2022



← Tweet



**António Guterres** ✓  
@antonioguterres

The latest @IPCC\_CH report is a litany of broken climate promises.

Some government & business leaders are saying one thing, but doing another.

They are lying.

It is time to stop burning our planet.



ipcc.ch

Climate Change 2022: Mitigation of Climate Change

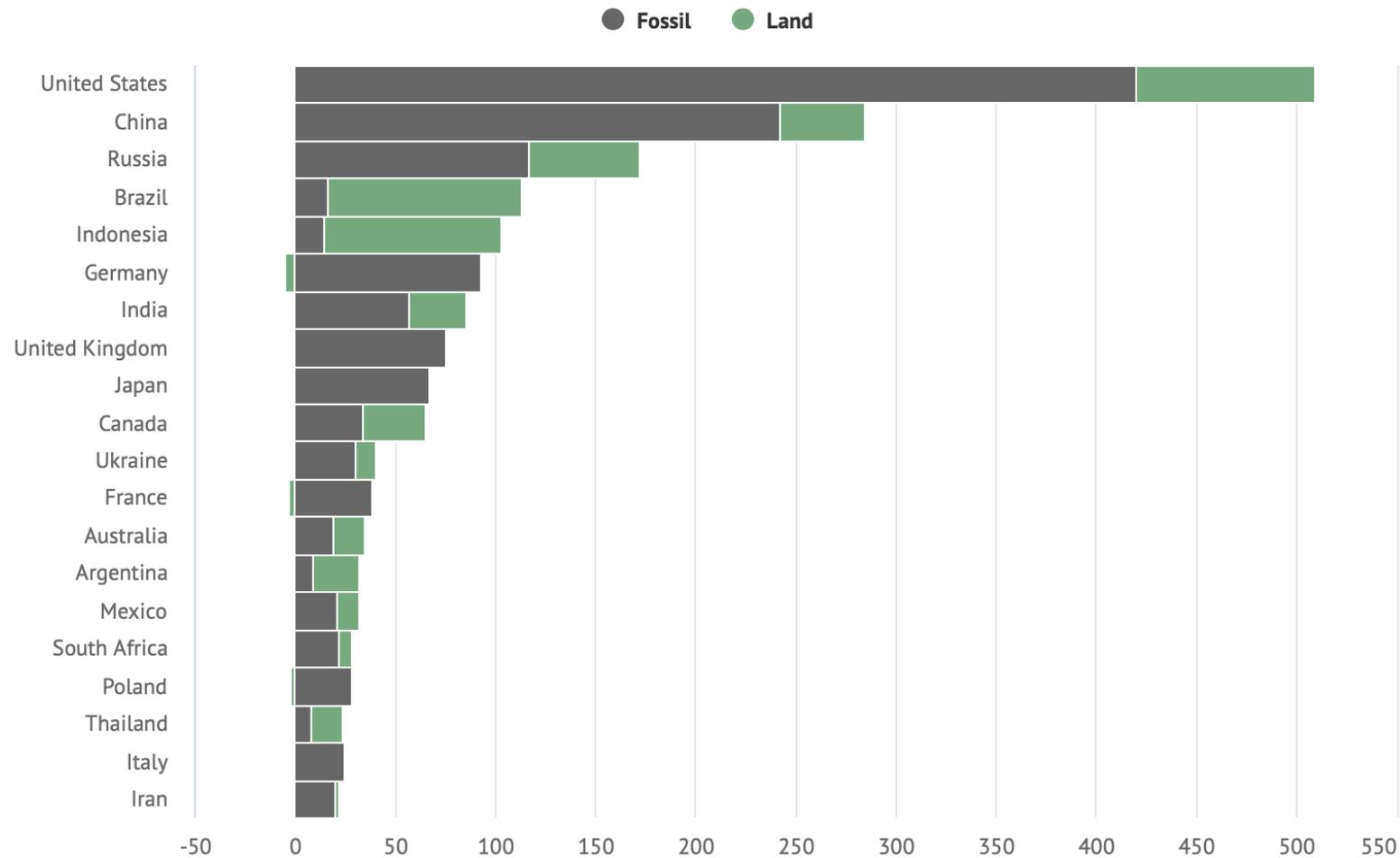
Intergovernmental Panel on Climate Change Working Group III contribution to the Sixth Assessment Report

11:17 AM · Apr 4, 2022 · Twitter Web App



# The countries with the largest cumulative emissions 1850-2021

Billions of tonnes of CO2 from fossil fuels, cement, land use and forestry



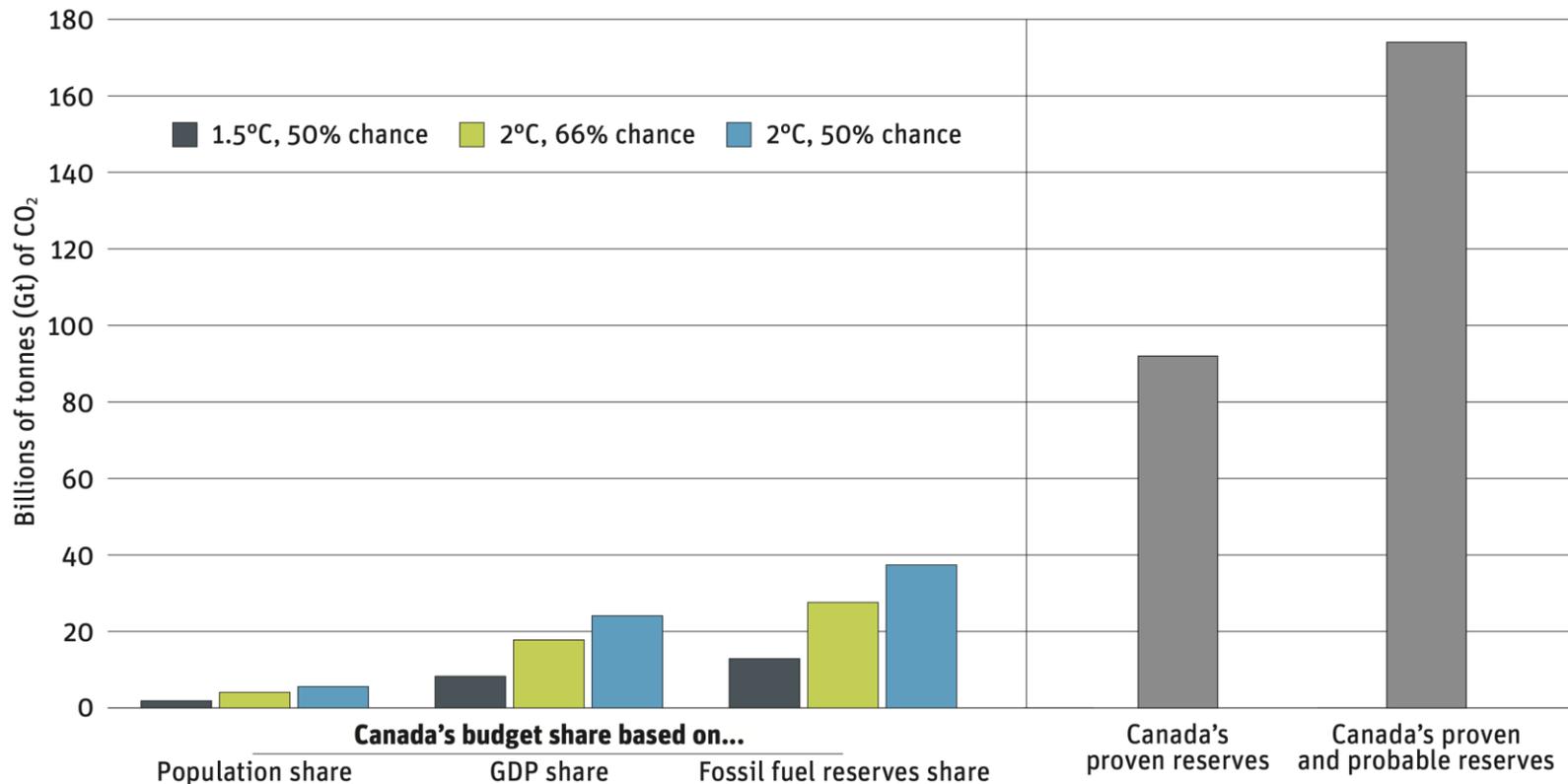
The 20 largest contributors to cumulative CO2 emissions 1850-2021, billions of tonnes, broken down into subtotals from fossil fuels and cement (grey) as well as land use and forestry (green). Source: Carbon Brief analysis of figures from the [Global Carbon Project](#), [CDIAC](#), [Our World in Data](#), [Carbon Monitor](#), [Houghton and Nassikas \(2017\)](#) and [Hansis et al \(2015\)](#). Chart by Carbon Brief using [Highcharts](#).

## GLOBAL ENERGY RANKINGS FOR CANADA

	Proved reserve/ capacity	Production	Exports
Crude oil	4	4	3
Uranium	3	4	6
Hydroelectricity	3	3	-
Electricity	8	6	3
Coal	16	14	6
Natural gas	17	5	6

**FIGURE 4** Canada's share of a global carbon budget using different concepts and probabilities vs. reserves of fossil fuels (converted into Gt CO<sub>2</sub>)

This figure shows Canada's plausible share of a global carbon budget, based on share of world population, share of world GDP and share of fossil fuel reserves (latter is used in Table 1). For each we show three different probabilities of the world meeting temperature targets consistent with the Paris Agreement: a 50% chance of staying below 1.5°C above pre-industrial levels, a 66% of staying below 2°C, and a 50% chance of staying below 2°C. All of these estimates yield carbon budgets for Canada that are substantially smaller than estimates of Canada's fossil fuel reserves.



**Sources** Author's calculations based on carbon budget estimates from the Intergovernmental Panel on Climate Change (2014) and Oil Change International (2016); population data from United Nations and Statistics Canada; GDP data from the World Bank; proven reserves from the BP Statistical Review of World Energy 2016.

# James Hansen vs Joe Oliver



# THE LIBERAL CLIMATE ACTION FORMULA: A RECIPE FOR FAILURE



## A SCAN! Report

**A Discussion Paper on the Liberal Government's Climate Action Plan, "A Healthy Environment and A Healthy Economy"**

Written by David Robertson and Terry Moore for the Education Committee of Seniors for Climate Action Now! (SCAN!), March 2021



## Climate Change

## Why are Ontario's Greenhouse Gas emissions going up instead of down?

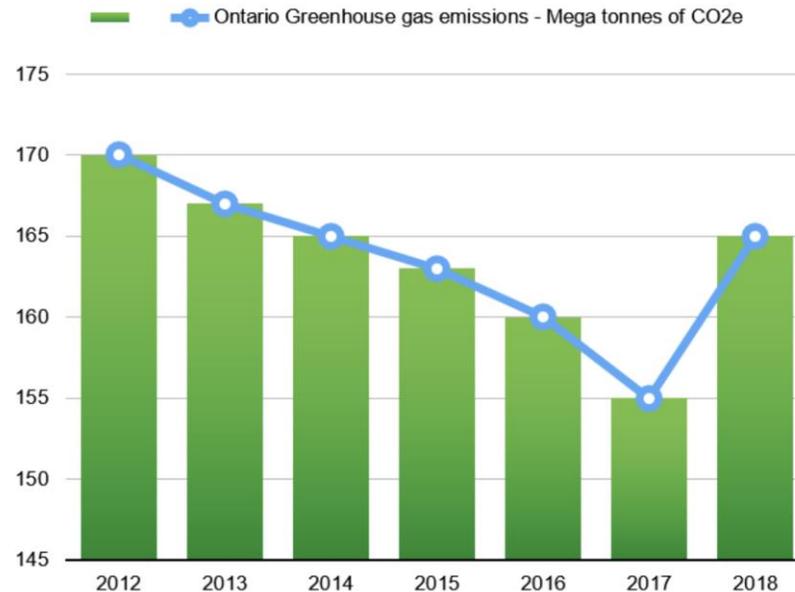
April 21, 2020



**Sarah Buchanan**  
Program Manager, Clean Economy

5 min read

We know that in order to fight climate change, Canada, and the world, needs to reduce greenhouse gas (GHG) emissions. Every spring, the federal government releases the most recent data they have on GHG emissions across Canada to see how well we are doing – nor not doing – to reduce these emissions. The data also gives us a glimpse into where emissions are coming from, which is critical to reducing them.





**SENIORS  
for  
CLIMATE  
ACTION!  
NOW**

## Failure on all fronts

### ***Ford's bogus climate plan***

The 2018 Ontario election was bad news for our climate. Premier Ford immediately erased the words “climate change” from the name of the Environment Ministry. A sign of the times. He then trashed Ontario’s climate programs.

- 750 green energy contracts:  
Torn up
- Environment Commissioner:  
Eliminated
- Zero emission vehicle subsidies:  
Scrapped
- Tree planting programs: Scrapped
- Electric vehicle chargers at GO  
stations: Removed

***Ontario goes it alone....and fails***

emission standards, a shift to electric cars, natural gas conservation programs, clean fuels, and something called “future innovation.” They were designed to fail.

### ***Ford scheme not supported by “sound evidence”***

Ontario’s Auditor General undertook a comprehensive review of the Ford government’s climate plan in 2019. The official conclusion? The climate action claims were not “supported by sound evidence”.<sup>2</sup> In November 2021, the Auditor General came to the very same conclusion.<sup>3</sup>

Both reports amount to a searing indictment of the Ford government’s response to climate breakdown. Since 2018 the Ford government has made no progress and is ill-equipped to deal with the climate emergency.

# Ontario 2022 Provincial Election Results

- \* Climate-related issues got some but not a lot of attention during the provincial election campaign that ended with Doug Ford increasing the size of his majority
- \* Environment and Climate Justice organizations are still trying to understand why Ford's dismal environmental record didn't affect the result in any clear way
- \* **Only 47% of eligible voters actually cast a ballot, the lowest percentage in Ontario history.**
- \* **The PCs got 1,912,648 votes (40.8%) of votes cast and 83/124 = 67% of seats**
- \* **The combined NDP, Green and Liberal vote, each of whom had more progressive climate policies than Ford, was 2,507,325 (53.5%) but they only got 33% of the seats**
- \* **Bottom line, our first past the post electoral system delivered another large majority government and complete executive/legislative control with just 41% of voter support (17.8% of the total electorate)**

## Climate emergency declarations in 2,247 jurisdictions and local governments cover 1 billion citizens

Posted on 17 July 2022



2,247 jurisdictions in 39 countries have declared a climate emergency. Populations covered by jurisdictions that have declared a climate emergency amount to over 1 billion citizens.

Over 61 million of these live in the United Kingdom. In Britain around 93 per cent of the population lives in areas where the local authorities – over 525 councils all together – have declared a climate emergency. By 2050, the result of these declarations and consequential response plans in the UK alone will have spared the planet's atmosphere for approximately 2,5 billion tonnes of carbon emissions.

In January 2021, a [United Nations survey](#) with 1.2 million respondents in 50 countries, the largest survey of public opinion on climate change ever conducted, found that 64 per cent of people said that climate change was an emergency.

### LOCAL GOVERNMENTS COUNTING

On the list below are only included jurisdictions that have passed a *binding* motion declaring a climate emergency. As such, the non-binding motion instigated by UK Labour, for example, is not included in this data. Typical resolutions include setting up a process to develop an action plan and report back to council within three to six months.

### NATIONAL GOVERNMENTS

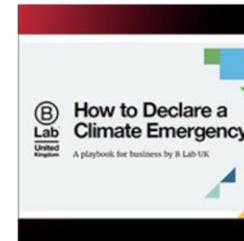
23 national governments have declared a climate emergency. The EU is counted as one jurisdiction in the 'governments total', but not included in the country count.

Search ...

### RECOMMENDED ARTICLES



Resource to help councils with their climate emergency response



Business guide: 'How to Declare a Climate Emergency'



Bill McKibben: Our only hope is to mobilize like we did in WWII



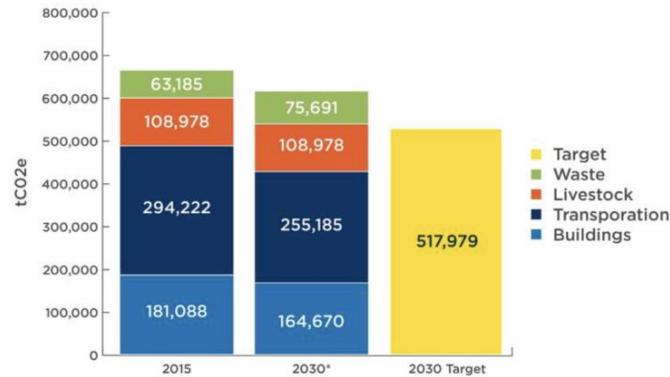
City of Kawartha Lakes

# Healthy Environment Plan





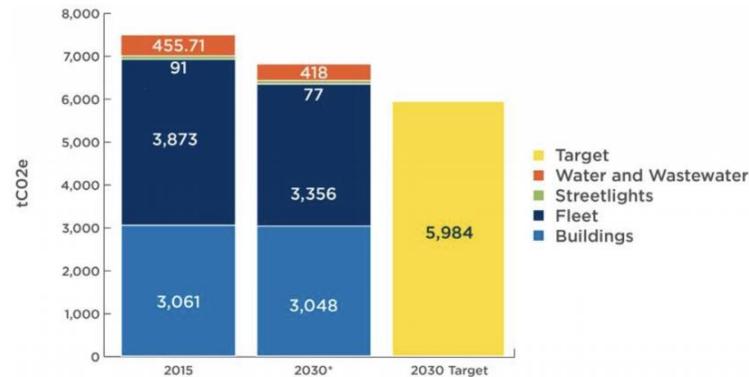
## Community Emissions Target



\*Emission levels should the Healthy Environment Plan not be implemented



## Municipal Emissions Target



\*Emission levels should the Healthy Environment Plan not be implemented

## How We Will Accomplish This

Theme	Goals	Strategies
<b>Cross Cutting</b> 	<ul style="list-style-type: none"> <li>Incorporate climate change mitigation and adaptation considerations in plans and policies;</li> <li>Develop and implement education and awareness strategies to ensure the community prepares for climate change; and</li> <li>Support local business and tourism industry partners in adapting to climate change.</li> </ul>	<ul style="list-style-type: none"> <li>Educate residents and seek out financing for all strategies in the HEP.</li> </ul>
<b>Agriculture</b> 	<ul style="list-style-type: none"> <li>Increase resiliency to support long term food security; and</li> <li>Optimize sustainable agricultural practices that reduce GHG emissions and maximize sequestration.</li> </ul>	<ul style="list-style-type: none"> <li>Implement agricultural and manure management best practices; and</li> <li>Increase in carbon sequestration.</li> </ul>
<b>Buildings</b> 	<ul style="list-style-type: none"> <li>Integrate adaptive measures into construction, retrofit and maintenance of new and existing buildings; and</li> <li>Increase energy efficiency in new and existing buildings.</li> </ul>	<ul style="list-style-type: none"> <li>Encourage efficiency and resiliency in new and existing buildings; and</li> <li>Embed climate change risks into the inspection, maintenance and design of municipal infrastructure.</li> </ul>

# THE FOSSIL FUEL NON-PROLIFERATION TREATY

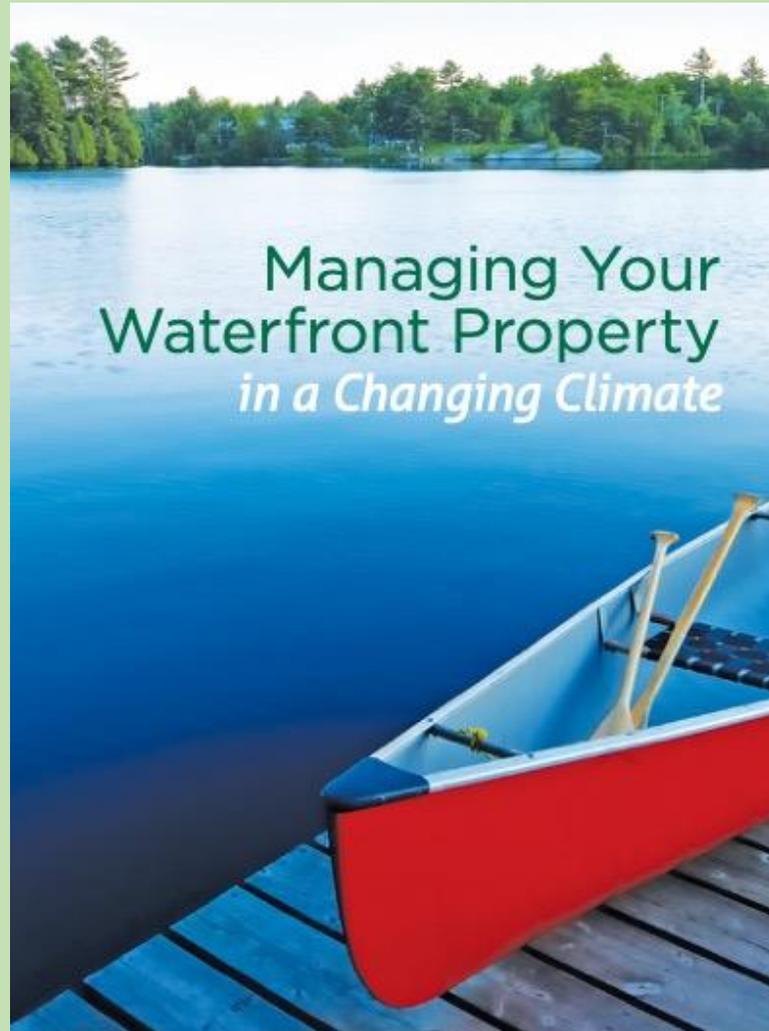
Join a global initiative to phase out fossil fuels and support a just transition by endorsing the call for a Fossil Fuel Treaty today

**Endorse as an individual**

**Endorse as an organisation**

**Endorse as a corporation**

# Individual Climate Actions



Managing Your  
Waterfront Property  
*in a Changing Climate*

With support from  
the Ministry of Natural  
Resources and Forestry

**F O C A**  
Federation of Ontario Cottagers' Associations

# COMMUNITY CARBON CHALLENGE



Let's Take Action Together

Create Your Personal Action Plan

Reduce Your Carbon Footprint



- 
- **A special welcome to Shannon Blanchard's Grade 7/8 Class at Gravenhurst Public School. The first Community Group to accept the Challenge.**
  - A big thank you to the Muskoka Chapter of the Retired Teachers of Ontario for financial [support of the Community Carbon Challenge](#) in the community and in Muskoka schools.
  - **Teachers!** – [Climate Change – 9 Lesson unit here](#)

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## How Does It Work?

1. **Join other members of the community** who have made a commitment to reduce their carbon footprint. Add your name → as an [Individual/Family](#) or as a [Business/Group](#)

Comments, Questions?