

Caring for our planet

How do we reduce carbon pollution?
It's as easy as 1, 2, 3!

1. Personal

- Lobby Provincial Candidates to implement a carbon tax
- Walk, bike, use buses
- Insulate your home & reduce temperature
- Divest fossil-fuel companies
- Talk to your friends
- Reduce methane by reducing red meat consumption
- Buy Energy-Star appliances



2. Community

- Lobby governments to implement a carbon tax
- Improve walking, biking trails, bus service
- Develop solar & wind energy (Lily Lake Solar Farm)
- Expand parkland and plant trees
- Invest in public transportation infrastructure

3. Government

- Implement a carbon pollution tax immediately (like B.C.)
- Work for a global agreement to cut CO₂ emissions (Paris, 2015)
- Give incentives for conservation & alternative energy
- Ensure **all** decisions are based on **"sustainability"**: social, economic, cultural & environmental
- Eliminate subsidies to fossil-fuels

Climate change & carbon

Where does CO₂ pollution come from?



Burning carbon-based fuels — gas, oil and coal — produces carbon dioxide (CO₂) gas which acts as a greenhouse to warm the planet and cause extreme weather events.

- Cost to Canada up to \$90 billion/year by 2050 (\$10,000/year per family of four). \$1 spent today saves up to \$38 in future costs.
- Reducing fossil-fuel emissions saves health costs
- Must reduce CO₂ emissions 40-70% by 2050 to keep temperature rise below 2°C. For this, 2/3 of known fossil fuel resources must not be used.

If no action taken to reduce emissions...

+4°C Catastrophic climate damage by 2100

+2°C Dangerous climate damage by 2060

+1.6°C Canadian Average temperature, 2010

+0.6°C Average temperature, 1986-2005

Global average temp. 1850-1900

Effects of climate change

- Droughts and floods
- Melting ice caps
- Rising sea levels, acidic oceans
- Disappearing species on land and in water
- Decrease in global food production even as the population increases
- Mass migration/wars in countries most affected

MORE INFORMATION



SustainablePeterborough.ca:
This Plan has been approved by the City, County, 8 Town ships & 2 First Nations

B.C.'s carbon tax has reduced CO₂ by 17% in 5 years with the tax reimbursed to citizens (thegreenzineonline.com)

4RG.ca
TransitionTownPeterborough.ca
peterboroughgreenup.on.ca
citizensclimatelobby.ca
IPCC reports at ipp.ch
Divest Trent