

SUMMARY OF FOS RESPONSE TO CANADA'S CO₂ EMISSIONS REDUCTION PLAN

"FOS is dedicated to providing the public with insight into Climate Change"

The Government of Canada proposes to reduce CO₂ emissions from coal-fired electric generation plants at an estimated cost of \$8.2 billion. The government estimates the benefit of reduced CO₂-induced climate change is \$4.3 billion assuming all countries make the same fractional CO₂ emissions reduction.

The Friends of Science submission [here](#) is summarized below:

- Any alleged benefits of actions taken by other countries should **not** be included in the benefits of the Canadian regulations. Canada's share of global CO₂ emissions is 1.8%.
- There has been no global warming since 1998, a period of 13 years.
- The climate model projections have completely failed to match observations. Ocean heat content and air temperature have not increased as predicted. A predicted "hot-spot" over the tropics has been found not to exist. Out-going radiation to space increases, not decreases, with rising temperatures.
- The submission presents three errors programmed into climate models which explain why their predictions are so different from observations; too little evaporation, declining upper atmosphere water vapour and assuming that clouds cannot cause a temperature change.
- Water vapour, the most important greenhouse gas, has declined 13% at 8 km altitude allowing heat to escape to space.
- The models' average estimate of climate sensitivity to CO₂ emissions is six times higher than estimates based on observational evidence.
- Over 1,000 climatologists document significant changes in climate since the last ice age, all by natural causes. Climate models do not include natural causes of climate change.
- Correcting the surface temperature record for the effects of urban development would reduce the warming trend over land from 1980 by half.
- The Sun is the primary climate driver, modified by ocean oscillations and aerosols, with CO₂ playing a minor role. The Sun affects the climate by modifying the galactic cosmic ray flux which changes the amount of aerosols required for cloud formation.
- Climate warming does not cause any significant harmful effects, but instead, will be beneficial, especially for countries with cold climates.
- Sea level rise has sharply decelerated since 2002. Tropical coral islands rise with sea levels and most have not reduced in size over the last century.
- Hurricane activity is at a 30-year low.
- There has been no trend in droughts or floods with global warming.
- Temperature is not a significant factor in the incidence of malaria or other diseases.
- The health benefits of a warmer planet are many times greater than any harmful effects.
- In Canada, an increase in temperature would significantly increase crop yields and increase the arable area.
- CO₂ emissions have caused a greening of the earth with increased crop yields to feed the growing population. The benefit to Canadians of CO₂ enrichment of crops is likely about \$7.2 billion for a 300 ppm increase of CO₂ concentration. This is additional to the warming benefits.
- CO₂ emissions are a wonderful by-product of fossil fuel use.

The Canadian government should not be restricting greenhouse gas emissions.