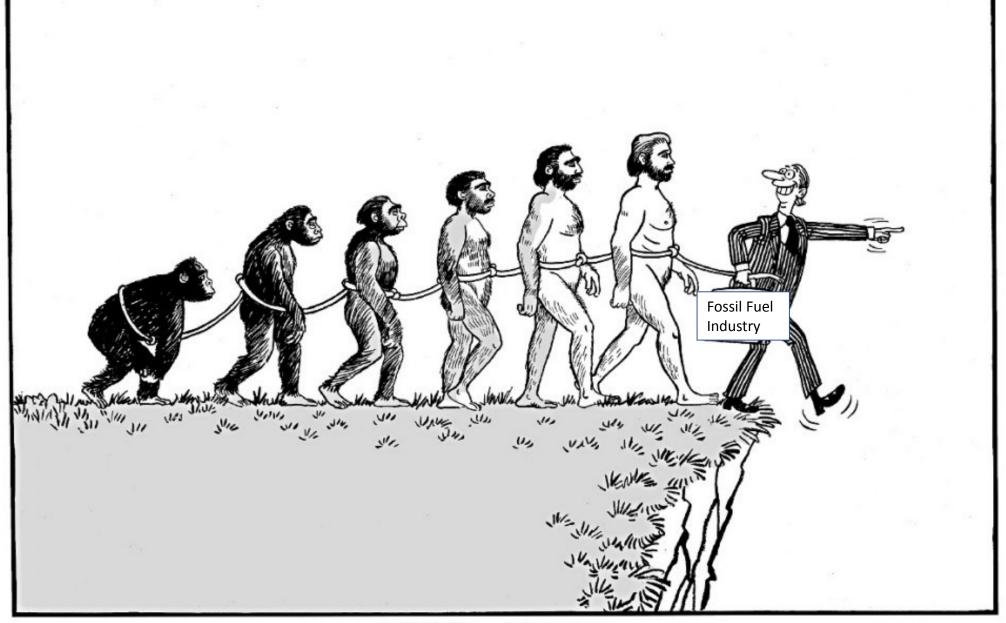
## Transit Improvements

An effective way to cut CO<sub>2</sub> emissions



**Evolution stops here** 

#### Humans focus on the here and now and discount the future!

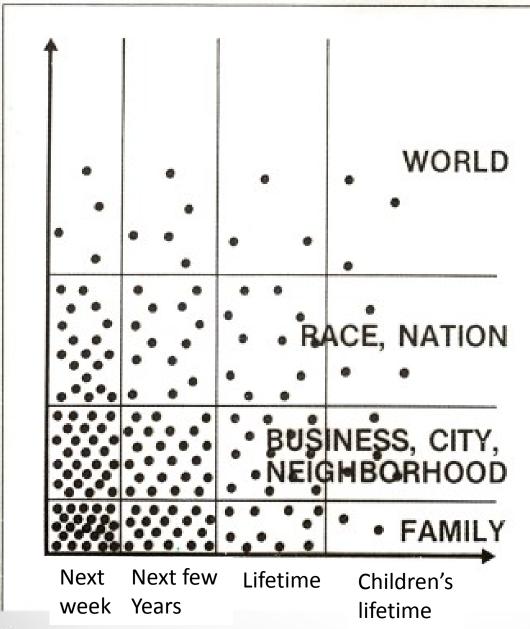
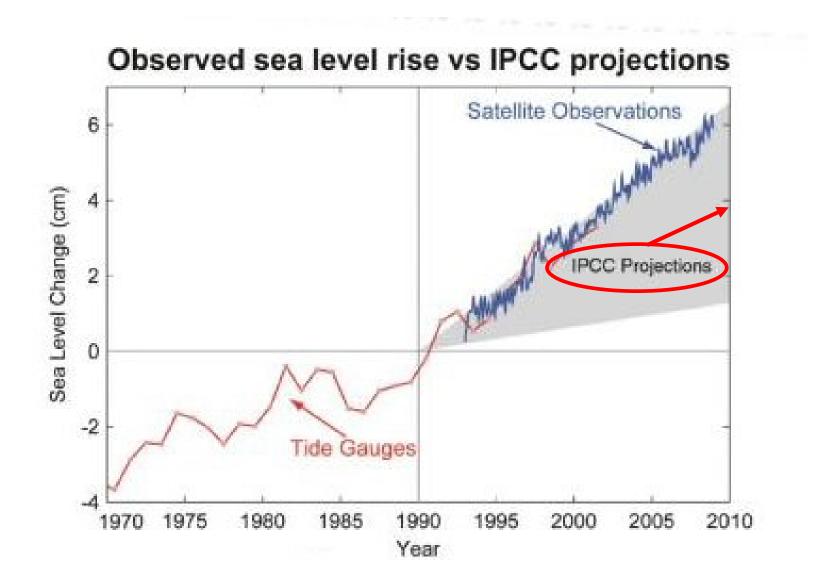


FIGURE 75. Human perspectives. Most people are less concerned about future cost and benefits than present ones. (Dennis L. Meadows Limits to Growth, 1972.) Predictions by the Intergovernmental Panel on Climate Change (IPCC) are underestimates of rate and magnitude



## IPCC underestimated impacts (earlier reports)

#### **Underestimated impacts**

- Temperature ↑
- Arctic ice melting
- Ice sheets (Greenland, Antarctica)
- Sea level rise

#### What they missed

- Melting of arctic permafrost
  → Release of methane and CO<sub>2</sub>
- Unrecognized environmental interactions
- Lubrication, ice cracks, sliding of ice sheets
- Left out Greenland/Antarctic ice sheet contributions to reach consensus.

# IPCC reports underestimate rate and severity of climate change!

 IPCC 2018 states that we have 11 years to gain control of and significantly reduce emissions to avoid devastating climate change effects.

- This is real
- This is dangerous
- THIS IS A CRISIS!



## Improve Transit and Keep it affordable!



Federal and provincial governments are not awake!

 It is up to us and you, our municipal representatives.

## Apply the CO<sub>2</sub> reduction lens to decisions.



Reduce CO<sub>2</sub> emissions like our future depends on it

### It does!