

# A Strategic Approach to Energy and Climate

WHERE TO INVEST OUR EFFORT AND RESOURCES?



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# A Canadian Initiatives re dialogue

- ▶ Logical Framework for Climate Change Initiatives: produced by CACOR members to facilitate an holistic approach to efforts to address energy and climate change
- ▶ Mitigation
- ▶ Adaptation
- ▶ Technology
- ▶ Series of workshops held bringing expertise to address the question of tactics and priorities
- ▶ Addresses actions, assumptions and actors
- ▶ Which have the highest probability of addressing the problem and achieving acceptance and use?
- ▶ How do we assess the various approaches including sequestration, sinks and other capture or transformation techniques.
- ▶ Holistic review and assessment essential

# Logical Framework

- ▶ Currently ten pages covering logic of mitigation, adaptation, technical fixes and including government, corporate and public actions.
- ▶ First page shown below – an evolving document being used to generate dialogue and debate
- ▶ Matrix downloadable at [www.tourisk.com](http://www.tourisk.com) Help us build it as a working tool.

Element	Mechanisms	Methods	Assumptions	Measures to address Assumptions	Potential actor(s)	Role for Public,	Potential NGO action
<b>Mitigation</b>							
<b>GHG reduction via reduced extraction of fossil fuels</b>	Reduce extraction of fossil fuels	Fuels left in earth Slow exploration Regulations to prevent dirty extraction or limit amounts, Exploitation and development costs increased	New tech replaces need for energy Governments reward less GHG or regulate Market for fossil fuels diminishes (in face of alternatives?) Governments will set aside some sites	Research, support for new tech, information, sharing of new tech widely Subsidies, taxes International accords signed and implemented Limit exploitation on crown land	Coal and petrol producers Government regulators, marketplace	Reduce demand by personal choices Demand government action Lobby industry to change via NGOs	Do position papers to politicians and the public outlining why this is needed and options to make it happen.
<b>Reduction of production and use of other damaging substances</b>	Reducing production of e.g. methane, nitrous oxide, hydro-fluorocarbons, perfluorocarbons, and sulphur hexafluoride.	Substitution, reduction of loss, capture of emissions, improved techniques to mitigate at source. Cap use.	New tech can find suitable substitutes and industries will accept them.	Research, support for new tech, information, sharing of new tech widely. Include these in international accords	Coal and petrol producers Government regulators, marketplace	Reduce demand by personal choices Demand government action Lobby industry to change via NGOs	
<b>Decoupling</b>	Less contamination per GHG consumed	New means to burn with less release of GHG	New tech leads to efficiencies of use Users will and can employ new methods	Research, support for new tech, information, sharing of new tech widely Subsidies, taxes	Utilities, refiners, end users Government via incentives disincentives	Choose products of firms with good environmental record. Demand public reporting corp. record	Periodic technology reviews. and reviews of corporate reporting.



# Can other players contribute?

(Emphasis on adaptation and offsets for those most affected)

- ▶ Many can do little directly – but can be catalysts or make contributions:
  - ▶ Small Island Developing States
  - ▶ International tourism industry
  - ▶ Coastal communities
  - ▶ Transportation industry (air, cruise)
- ▶ Adaptation strategies can include investment in mitigation such as reforestation, donations to carbon sequestering and sinks, purchase of offsets. All can be beneficiaries of such actions



# Actual Implementation

- ▶ No global level solution (mitigation, sequestration, adaptation) can succeed without the institutional framework for it to be implemented
- ▶ We currently lack suitable institutions
- ▶ The profit motive does not serve as the beneficiaries of most significant changes are not those who can or need to pay – it is all residents of the planet (and as above – we lack the institutions to address issues of this scale)