

Know the Impacts of Climate Change



+ Causes:

- Burning fossil fuels for heating, transportation and electricity generates **Greenhouse Gases!**
- Deforestation
 - Lost of habitats for millions of species
 - Trees absorb **Greenhouse Gases**
 - Trees reduce soil erosion and movement
- Overexploitation of natural resources!

+ Impacts:

- Sea level rise: Increase 50 to 70 cm in the next 100 years
- Global temperatures: Increase by 1.8C° to 4C°
- 0.9 to 1 metre Coastal Erosion rates in North Shore area
- Increase of saltwater intrusion
- Decrease in availability of fresh groundwater supply
- Less oxygen in sea water, leading to less marine life development

+ Adaptations & Solutions:

- Placement of riprap material around property
- Placement of gabion baskets
- Move structure safe distance from eroding coastline
- Using hybrid, public, carpool or active commuting options
- Utilizing alternative energy sources
- **Water conservation**