

CLIMATE CHANGE ADAPTATION OPTIONS

UP NORTH ON CLIMATE
Climate Change Impact and Adaptation
Study for the North of Ontario

SHIFTING ECOSYSTEMS

- Start a land monitoring program
- Prevent spread of invasive species
- Protect threatened or culturally important areas, plants & animals
- Protect permafrost
- Keep forests connected & rivers flowing
- Keep ecosystems healthy
- Be guided by Traditional Knowledge

DROUGHT

- Assess drinking water systems
- Share about water conservation
- Monitor for drought conditions in your area
- Assess drought vulnerability & make a plan
- Monitor/protect important plants, animals & habitat
- Control dust on community roads
- Monitor water levels
- Prepare for travel with low water

INFRASTRUCTURE

- Assess vulnerability & make a plan
- Monitor wastewater lagoons
- Produce renewable energy
- Build/retrofit for climate change
- Create a plan for power outages
- Maintain good community drainage
- Monitor drinking water quality
- Design roads to let water run off
- Plan for snow load

WILDFIRE

- Become a FireSmart community
- Create an emergency plan
- Keep people informed with community alerts
- Manage trees & plants in and around the community
- Monitor for smoke & air quality
- Use fire resistant materials for homes & buildings
- Monitor water quality after a fire in the area
- Raise awareness about human-caused fires
- Monitor for wildfire risk in your area

HEALTH

- Monitor air quality
- Designate a refuge centre
- Monitor for ticks & mosquitoes and prevent bites
- Make a community plan for weather events
- Protect yourself from sun & heat
- Recognize & prevent mold growth in homes
- 25°C 26°C 30°C
- Monitor for heat & heatwaves

TRANSPORTATION

- Know ice self-rescue & partner rescue
- Change equipment for changing conditions
- Install permanent bridge crossings
- Improve winter road flooding methods
- Reduce the need for fuel tankers & dependence on shipped goods
- Share ice conditions & winter road information in the community
- Consider an all-season road feasibility study
- Plan your trip & be prepared

FOOD SECURITY

- Share harvested food
- Protect/restore important habitat
- Monitor commonly harvested plants, animals & fish
- Adjust where, when & how you harvest
- Grow food in the community
- Assist plant migration
- Start a community food storage program

FLOODING

- Manage snow
- Keep wetlands & natural spaces in the community
- Maintain good community drainage
- Help river ice melt to avoid ice jams
- Create an emergency plan
- Create a community plan with flooding in mind
- Avoid building on flood plains
- Monitor & forecast flooding
- Drain water away from buildings
- Install water control structures