

Climate Change: Community Considerations

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Climate Change: Mitigation & Adaptation

- Mitigation Actions taken immediately to reduce greenhouse gases generated from burning of fossil fuels and/or land use changes
- Adaptation Avoiding harm associated with current or projected climate impacts by taking actions now to anticipate and plan for adapting to changes











What is Adaptive Capacity?

At the local level the ability to undertake adaptations can be influenced by such factors as managerial ability, access to financial. technological and information resources. infrastructure, the institutional within which environment adaptations political occur, influence, kinship networks, etc." p.287



Smit and Wandel, 2006

www.uio.no/studier/emner/annet/sum/SUM4015/h08/Smit.pdf

Adaptation to... Climate risk and uncertainty Increased flooding in watershed areas Cumulative impacts and effects associated with extreme weather events Impacts on... Emergency preparedness and disaster risk reduction Potable water, health and safety Upper watershed management practices Agricultural land management practices

Adaptive capacity building actions for...

Assessing vulnerability, understanding climate risks and impacts, seeking resiliency measures with co-benefits for reducing GHGs, promoting carbon sequestration and biodiversity protection

Nature based solutions to erosion, pollution control & flood risk Biodiversity and Indigenous land conservation and management practices Co-benefits approaches to regional climate and biodiversity actions Land use planning and inter-governmental relationship building Carbon sequestration, biodiversity protection & forest management Species at Risk and conservation biology Truth and reconciliation in the context of climate change adaptation Enabling Two Eyed Seeing and Ethical Space: Indigenous Floodplain Mapping & Integrated Watershed Management with Chippewas of the Thames First Nation & Partners



Integrated Regional Watershed Management

https://youtu.be/zpiCn0MKKNw





London Environmental Network

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Natural Resources Ressources naturelles Canada



Net Zero Retrofit Pilot Project

Funding and partnership capacity building activities to make improvements that help with energy efficiency and upgrades that will reduce the use of propane.

Upgrades such as: increased insulation, new windows and doors, electric heating and cooling system, electric hot water system, efficient appliances, low flow water fixtures, solar array and more.

Capacity Building & Mentorship Opportunities

 Staff mentorship and training in residential sustainability programming and community outreach •Community, youth and trades education and skills training in sustainable retrofit technology and building science.

•Demonstration and pilot project of a (near) net zero retrofit

•Online webinars to share with other remote communities •Next steps plan development for community residential energy efficiency program delivery,

Professional case studies, mail outs and storytelling

Food waste is responsible for roughly 8 percent of global greenhouse gas emissions.

Methane produced through anaerobic decomposition of organic waste in landfill, has 34 times the greenhouse forcing effect of carbon dioxide. Landfills are a top source of methane emissions, releasing 12 percent of the world's total. Ideally, organic wastes would be recycled, composted, or digested. But so long as landfills are piling up, we must manage the methane coming out of them. https://drawdown.org/solutions/landfill-methane-capture

LANDFILL METHANE CAPTURE

