

NOFNEC

October 5, 2016



- Community Energy Planning
- Energy Transition
- Resources and Tools



A **community energy plan (CEP)** is a comprehensive long-term plan to;

- improve energy efficiency,
- reduce electricity consumption, and
- assess opportunities for renewable energy solutions.



The Aboriginal Community Energy Plan (ACEP) Program

Funding to develop a **NEW** Aboriginal Community Energy Plan

- Successful applicants to this stream will receive up to a maximum of \$90,000.

Funding to **UPDATE** an existing Aboriginal Community Energy Plan

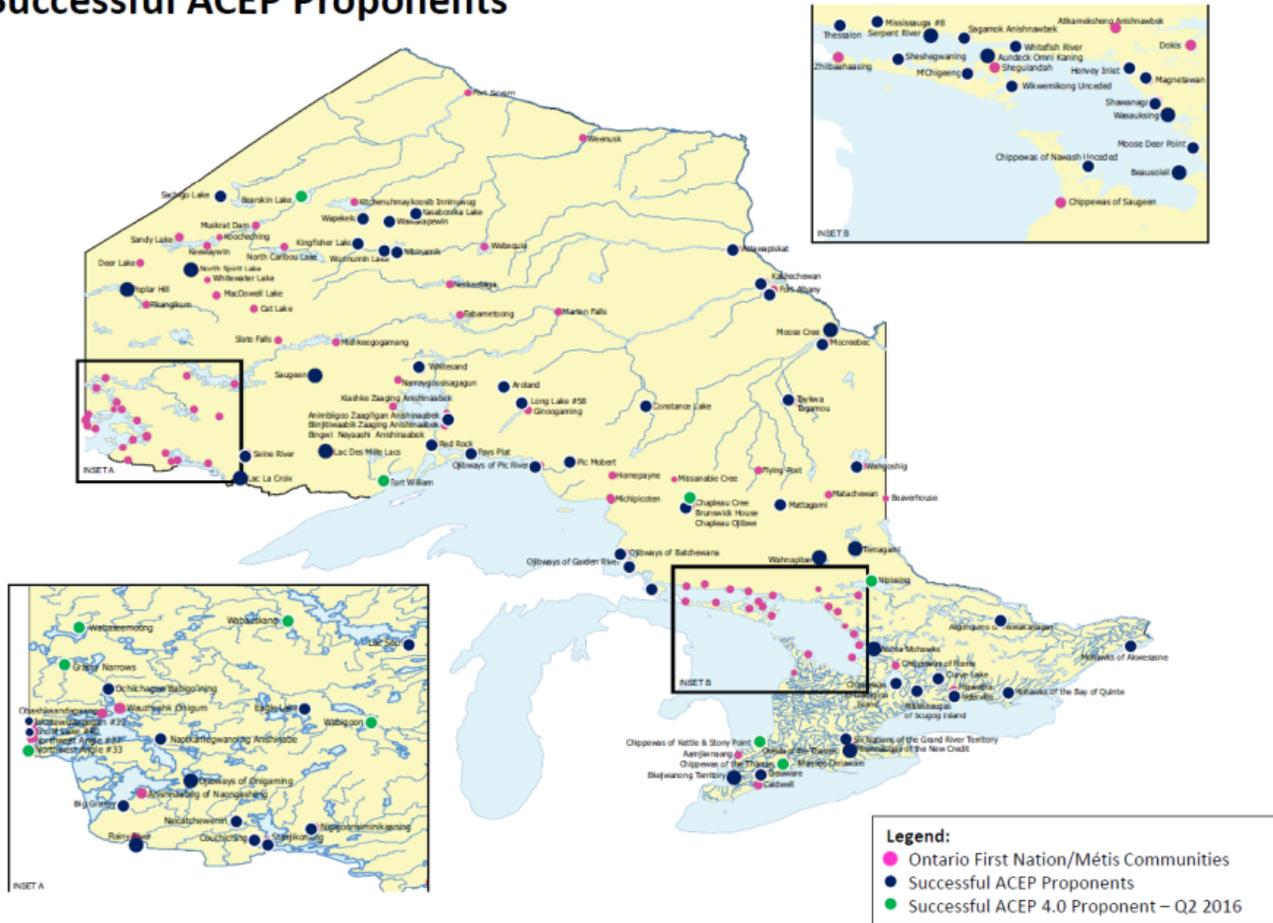
- Successful applicants to this stream will receive up to a maximum of \$25,000.

Remote communities are eligible for an additional \$5,000 in funding under either stream.

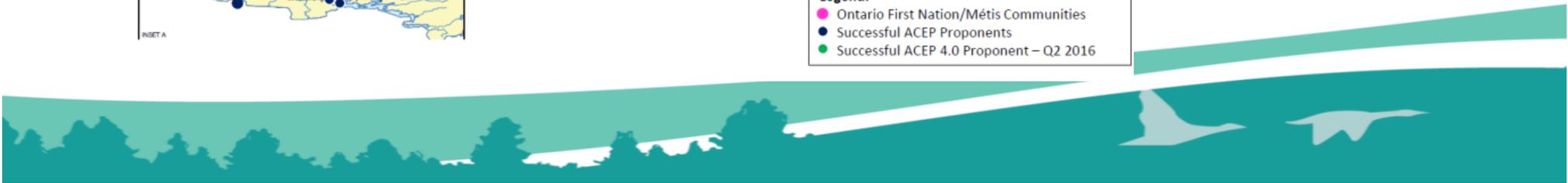
Source: IESO 2016



Successful ACEP Proponents



Source: IESO 2016



Aboriginal Community Energy Plan



Engage your community members and organizations

Examples from outside Ontario

- The Tlicho (Dogrib), Wha Ti, Northwest Territories developed their CEP by assessing their energy use. They involved the community-Elders, youth committees and the local government to transition and incorporate conservation.
- The Hupacasath First Nation, British Columbia undertook CEP which led to the development of the 5.2 MW China Creek hydroelectricity project.
- The Arctic Energy Alliance took a long-term approach to integrating CEP through their Community Sustainability Plan for the communities in the Northwest Territories of Canada.



Tips to create a CEP that makes a difference

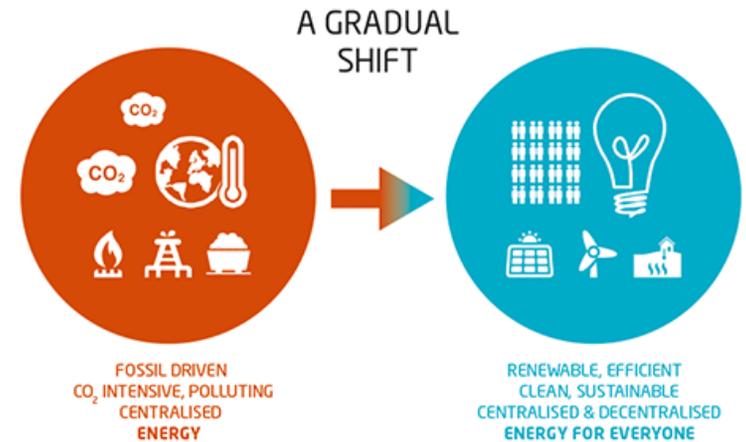
- Local Lead
- Support from Leadership, Elders and Public Works
- Home Visits
- School Visits and the importance of youth
- Existing information and reports
- Visual Charts and Posters as a profile
- Understanding Renewable Energy
- Cultural values related to conservation
- Implementation



- What **tips** do you have for Community Energy Planning?
- What are the **challenges** that you came across in developing your CEP?



Energy Transition



A shift from energy generation and consumption systems that reduce consumption and rely primarily on non-renewable energy sources to a more efficient, lower-carbon energy mix.



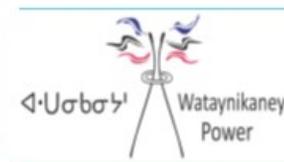


GENERATION

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TRANSMISSION

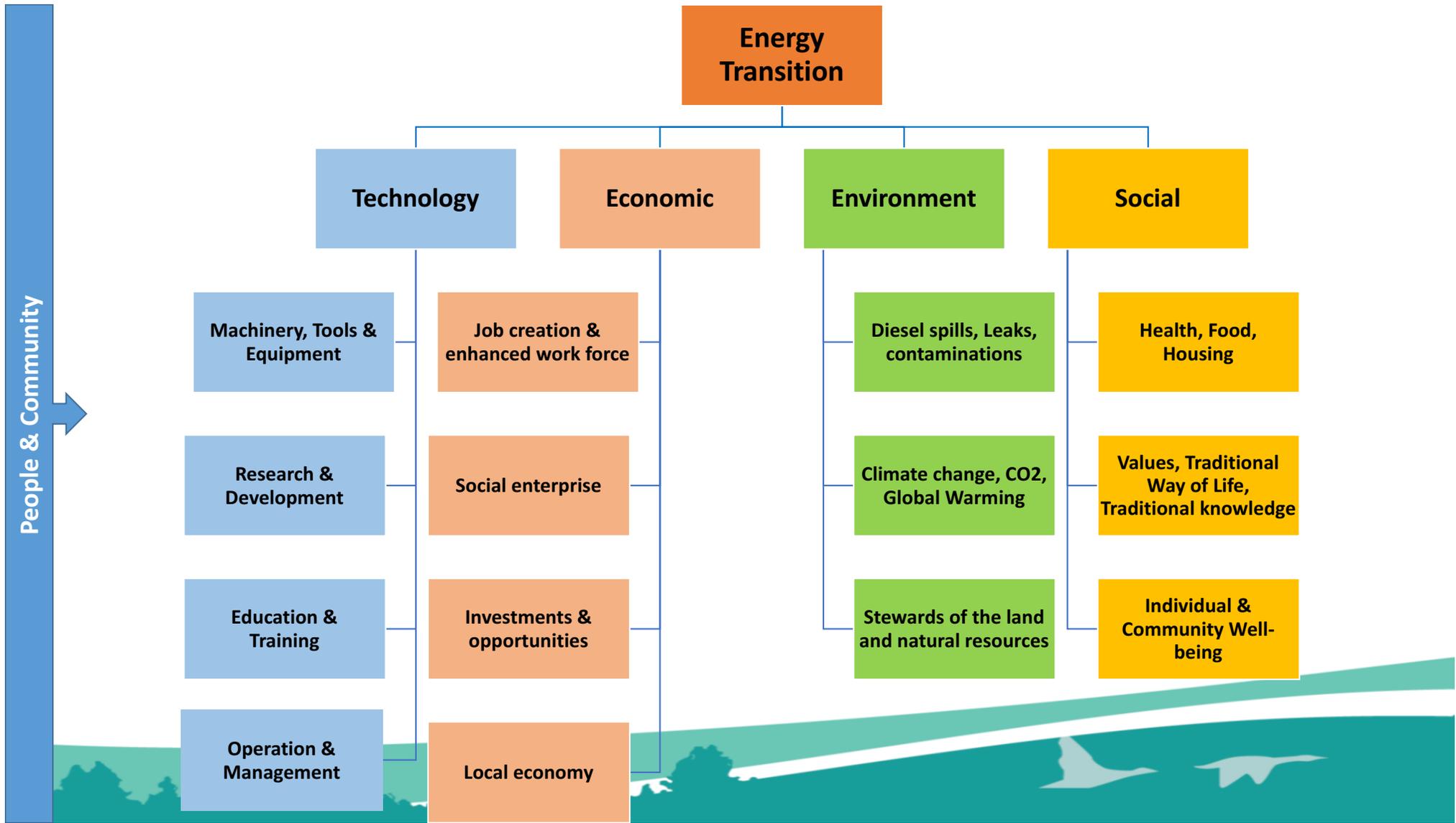
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DISTRIBUTION (LDC)

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Licensed – Hydro One
Unlicensed – IPA



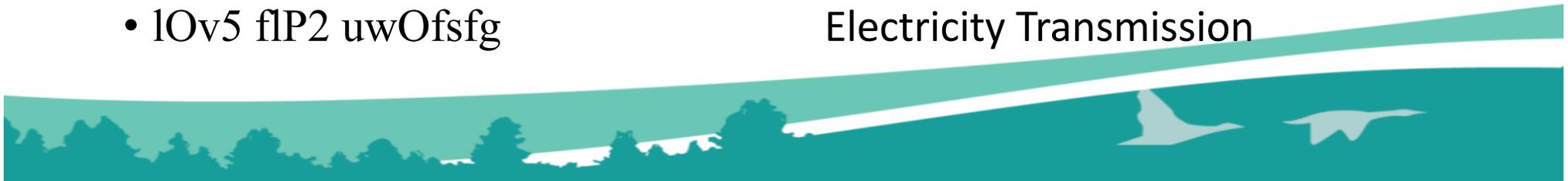
Discussions on Energy Transition

1. What would you like the outcome of your Community Energy Plan to be?
2. What tips do you have for using the CEP?
3. What challenges do you see for implementing a CEP?
4. How do you think we could support our communities in the transition process?



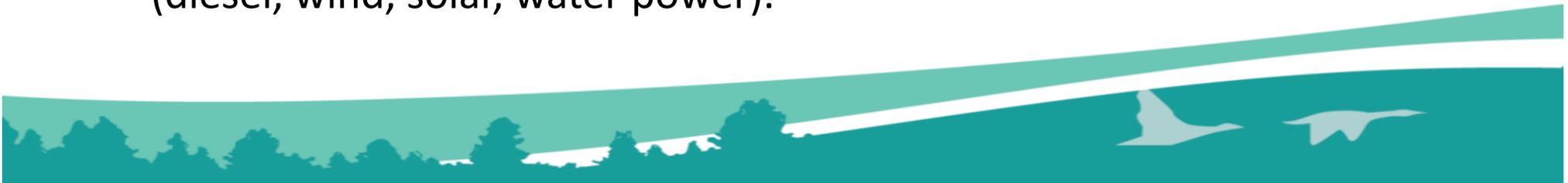
Sample Glossary of Electricity Terms

- k2rfeuwkbjHq; Carbon Sink – Muskeg
- k2rfeuwkbjHq; Climate Change
- half2lfH 3lPusu3vy Transmission Corridor
- lOv5labM fjDq ddm u 3 ef5g Electricity Distribution
- jejagep rqwhwhd fuqefag Electric Field – volts/watts
- fsq rPm5sfrD Greenhouse Gas Emissions
- Qwid2lfcporq Electricity Regulation
- lOv5 flP2 uwOfsfg Electricity Transmission



Curriculum

- For Energy Planners to better understand electricity basics
- For community members to consider your community's energy usage
- Relevant to remote First Nations
- Exercises with youth
- Exercises to consider what you and your community can do to make a difference.
- Animation describing how four types of electricity are generated (diesel, wind, solar, water power).



Energy Planning Guidebook

- For Energy Planners to develop and follow process
- Background information
- Fill in the blanks and worksheets
- Activities with youth and Elders



How Energy Generation works in your remote First Nation





Contacts

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