

# First Nations Energy Education Exchange

Workshop 1

Key Themes Panel & Discussion

# Panel Presenters

- Aimee Johnson, Community Planning Coordinator, Walpole Island First Nation
- Daniel Deleary, Community Engagement Coordinator, Aboriginal Apprenticeship Board
- Carol Delion, Business Development Officer, Aamjiwnaang First Nation

# Community Energy Planning

- A community energy plan is a comprehensive long-term plan to assess a community's main energy uses, resources and constraints, and priorities.



# Community Energy Plan

- Usually includes collecting baseline data, combined with input from the community on priority issues and technical experts on technology options
- Can help a community set priorities and identify where and how to achieve energy efficiency, reduce electricity consumption and assess opportunities for renewable energy solutions, etc.





# Employment and Training

- Clean, green energy jobs are growing but navigating your way into the system can be a challenge



Last year, job growth in Canada's clean energy sector outpaced every other sector in the country.

CANADA 2015

# Number of jobs created for every \$1 million invested

## OIL & GAS



## CLEAN ENERGY (wind, solar, hydro and biomass)



**Where do you want Canada to invest?**

\*Blue Green Canada. (2012, November 22).

*More Bang For Our Buck: How Canada can create more jobs and less pollution.*

# Careers in Renewable Energy

**Environmental Impact Assessor**

**Wind Turbine Technician**

**Green Roof Installer**

**Geothermal Engineer**

**Energy Auditor**

**Solar Panel Installer**

**Green Business Advisor**

**Conservation Biologist**

**Software Engineer**

**Environmental Policy Analyst**

**Energy Manager**

**LEED Consultant**

**Environmental Educator**

**Industrial Design Engineer**

**Electrical Engineer**

**Environmental Communications Officer**



# Recent WFN Graduates – Wind Technician Training (21 June 2016)





# Renewable Energy Development (some steps)

- Resource Assessment
- Feasibility
- Business planning / Financial modeling
- Negotiating a Partnership (optional)
- Securing a power purchase agreement / FIT contract
- Environmental Assessment
- Community Engagement
- Project financing
- Project build
- Operations and maintenance



<b>100% community owned</b>	<b>Partnering with Commercial Developers</b>
Community is responsible for all aspects of project development	Community shares decision-making and financial responsibility
Must source all necessary expertise from within the community or hire consultants	Common structures: joint venture, limited partnership, general partnership, subsidiary