

Bio-economy Programs, Policies and Support Mechanisms

COMMUNITY ENERGY PROJECTS

Ian Nokes

Energy, Waste Resource & Environmental Economic Policy

Ian.Nokes@ofa.on.ca
519-821-8883

Long Term Energy Plan



Procurements

Sustainable, Clean Energy

Energy Agnostic

Distributed Energy Resources

Renewable Community Energy Projects



Stakeholder Engagement Stage

Baseline Energy Study Stage

CEP Development Stage

Stakeholder Engagement - Community Network



Regional Chief Administrative Officer

Local governments & utilities

Steering Committee with partners

Stakeholder consultation & feedback

Energy Study -Examine Your Community



Research (create an inventory)

Business Plan (checks & balances avoid mistakes)

Gaps & Opportunities (Implementation Readiness
Assessment ~ review & analysis of strengths,
weaknesses)

Organizational Structures & Landowner Relations



Cooperatives and Corporations – limits liability

Landowner Pool – avoid turbine envy

Partnership – increase access to funding, distribute risk

Flip Model – energy co. builds, maintains, profits & tax incentives,
turns system over to community fixed future date (10 years)

CEP Workshops



Connect with CEP communities

Define your community energy measures ~ energy efficiency, economic development, GHG emissions

Leverage advantages of local land features

Land use mix and density impacts feasibility of transportation and distributed energy resources

Agriculture as CEP Resource



Landowners

Crop Waste

Animal Waste

Anaerobic Digesters ~ Biogas and RNG

NASM and soil nutrition