

**WEDNESDAY AM WORKSHOP #1: HARNESSING THE WIND**

<b>Workshop Session</b>	Sustainable Energy Use: Harnessing The Wind
<b>Names of presenters</b>	Paul Gipe and David Macleod
<b>Name of rapporteur</b>	Hillary Lindsay

**PRESENTER 1**

<b>Presenter #1: Paul Gipe</b>
<b>Title of Presentation: Advanced Renewable Tariffs in North America</b>
The <u>Innovative Practice or Strategy</u> that the speaker is presenting.  A policy mechanism to achieve a switch to wind energy quickly.
The " <u>Mainstream Practice</u> " the speaker says their strategy is an alternative to.  <ul style="list-style-type: none"><li>- Coal</li><li>- Nuclear</li><li>- Gas</li></ul>
The <u>Alternative Vision</u> presented by the speaker ( i.e. this innovative practice contributes to this vision)  <ul style="list-style-type: none"><li>- Community based wind energy.</li><li>- Locally owned by farmers, rangers, first nations, cooperatives, communities.</li></ul>

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Success Factors: factors that the speaker attributes to the success of their innovative practice or strategy.

- Studies show that Canadians want clean energy.
- Peak Oil and Peak Gas are on their way
- There is a need for new manufacturing jobs
- Canada is being affected by climate change and therefore people are open to change.

Key Challenges: the main challenges the speaker identifies in implementing the strategy

- Who will get the contracts? Will it be an elite few?
- If not the elite few, who will pay for it?

Overcoming Challenges: the ways the speaker says that challenges have been overcome.

- People pay a premium. You get what you pay for (like fair trade coffee).
- There is a public will to pay for it.
- You involve the public in the process and will receive greater acceptance.

Moving from the Fringe to the Mainstream: the ways the speaker says this work will move from the fringe to the mainstream.

- Wind is growing rapidly in Europe and beginning to grow in North America.
- People are more aware of environmental issues, peak oil and climate change and want clean and green energy.
- The energy can be created at home which is important (for the US especially)
- Wind turbines do not consume water which is becoming a scarce resource.

Lessons Learned from this Experience - lessons learned identified by the speaker

- There are impacts of wind (aesthetics, wildlife disruption, affecting the climate) that must be addressed but the benefits far out weigh the risks.
- The process is slow: Bureaucrats fear the cost and politicians fear the bureaucrats.

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PRESENTER 2

<b>Presenter #2: David MacLeod</b>
<b>Title of Presentation</b>
The <u>Innovative Practice or Strategy</u> that the speaker is presenting. <ul style="list-style-type: none"><li>- Local example of a Wind Turbine in Toronto</li></ul>
The " <u>Mainstream Practice</u> " the speaker says their strategy is an alternative to. <ul style="list-style-type: none"><li>- Nuclear</li><li>- Coal</li><li>- Hydro</li></ul>
The <u>Alternative Vision</u> presented by the speaker ( i.e. this innovative practice contributes to this vision) <ul style="list-style-type: none"><li>- Community based renewable energy</li><li>- 2 High profile windturbines on the waterfront in Toronto</li><li>- A wind cooperative</li><li>- Locally owned</li><li>- 1 member 1 vote: democratic</li><li>- For Profit</li></ul>
<u>Success Factors</u> : factors that the speaker attributes to the success of their innovative practice or strategy. <ul style="list-style-type: none"><li>- Local ownership of the project (locally sourced, endorsed by local groups, cooperatively run, lots of public engagement and support)</li></ul>

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Key Challenges: the main challenges the speaker identifies in implementing the strategy

- New Industry (no roadmap, no relevant policies)
- New Ownership Model (not understood)
- Scarce resources
- High risk venture (lots of money needed upfront)
- Myths to overcome (about noise and birds)
- Safety concerns (1<sup>st</sup> urban turbine in North America).

Overcoming Challenges: the ways the speaker says that challenges have been overcome

- Education – sharing best practices
- Collaboration – working with a variety of different groups and expertise
- Inspire people and capture their imaginations
- Partnership with Toronto Hydro was key financial support.

Moving from the Fringe to the Mainstream: the ways the speaker says this work will move from the fringe to the mainstream.

- Was first urban turbine in North America and first green power coop in Canada.
- Now there are over 20 communities looking into something similar

Lessons Learned from this Experience - lessons learned identified by the speaker

- Engage the community early on to avoid conflicts
- Multiply your estimated timeline by 2 (it takes time!)
- Find political champions and experts.