Community Energy – QUEST panel

Michel Losier, Director of Customer and Community Engagement
November 24, 2015
100% renewable by 2020?
Walmart
"Distributed generation is not something that is an option for us," Janous said. "It is a part of our core infrastructure."

"The next 100 years will certainly not be as dominated by central station power as the last 100 years; however, I don't believe distributed generation will negate the need for the centralized power grid," Janous said.

Grid-connected generation can leverage the "network effect," Janous said, taking advantage of producers and consumers working together. "Rather than the future being centralized or distributed, I really believe the future will be integrated."
Covering all the Bases in your Community
A bitter cold morning

Oil fired units were required to cover this peak

Peak 3117 MW

2850 MW

2460 MW

Reduce and Shift Demand

Énergie NB Power
Typical Household Energy Usage – New Brunswick

- Space Heating & Cooling: 61%
- Water Heating: 22%
- Appliances: 13%
- Lighting: 4%

Énergie NB Power
Reduce and Shift Demand

“Load following Generation”

Bulk generation meets Distributed Energy Resources

**Bulk Generation**
- Traditional Large Generation
- Hydro, Nuclear, Fossil, Wind,

**“meets”**

**Distributed Energy Resources**
- Engaged Customers with new technologies
- EE, DR, DG, EV’s, HAN, WAN
Customers and Communities as Partners
Product Innovation – Customers Evolving

50’s and 60’s

70’s and 80’s

2000 to today
Our Customers

A new Partnership with new “value-added” solutions
Game Changers?

Rooftop Solar

Electric Vehicle or Mobile Storage?
Market Trends

Deployment and Cost for U.S. Land-Based Wind 2008-2012


Deployment and Cost for LED Lights Installed 2008-2012

Deployment and Cost for Electric Vehicles and Batteries 2008-2012
New players on the scene
Community Energy Generation

“The Prosumer”
Net Metering Program

Distributed Generation

Locally Owned Renewable Energy (Small Scale)
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