

Energy Efficiency:

The Green Engine of Economic Growth

Lesley Rogers, VP September 2011



Presentation Outline

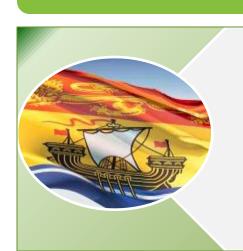
- Efficiency NB who we are
- Energy efficiency: win, win, win
- Impact on generating Green Jobs
- Strategic role in greening NB's traditional industries
- Initiatives to help green our workforce



About Efficiency NB

- Crown Corporation established Oct.'05
- Located in Saint John
- 5 Person Board of Directors
- Staff of 32 FTEs





Efficiency NB offers sound advice and practical solutions to help New Brunswickers:

- Use energy more efficiently
- Make better energy choices
- Manage energy expenses
- Lessen the impact of energy use on the environment





Efficiency NB's Vision

Leading economic and environmental sustainability through efficient energy use in New Brunswick.

To achieve this, Efficiency New Brunswick will be a recognized leader in public education and information transfer and in the design and delivery of effective energy efficiency programs and services.



Current Programs

	· ,			
RESIDENTIAL	COMMERCIAL		LARGE INDUSTRIAL	
	Target: Base Building Efficiency	Energy Target: Process Improvemen EMIS, technical support		•
EXISTING	ENERGY SMART			
		CAAAI	I G MEDILIM	
NEW HOMES	SMART START	SMALL & MEDIUM MANUFACTURERS and LIGHT INDUSTRIAL		
MURBs	BRIGHT IDEAS COMMERCIAL LIGHTING			



Win, Win, Win

 Reduced demand on New Brunswick's energy sources including electrical grid, home heating oil and natural gas.

> Reduced Energy Use

for homeowners and business operators by reducing their energy use.

Reduced operating costs

Reduced Operating Costs

 Reduced environmental impact of energy use, particularly the reduction of Greenhouse Gas Emissions. Improved Environmental Stewardship Increased Economic Stimulation Increased economic activity resulting from investments in energy efficient technologies and renovations, increased competitiveness due to reduced operating costs, and increased provincial tax revenues.



Market Transformation

 Government policies & regulations evolve with the market and minimum standards are strengthened.

> Regulatory Change

Education and Incentives

 The market is educated and incentives help encourage High Energy Efficiency Projects. Government pulls the market by policies for Green Buildings.

Leading by Example

Role of Government Role of Efficiency NB

> Role of Government



Results from Efficiency NB Programs - 2005 to date



3,429 TJ in Annual saved energy



\$44.4 M in Annual energy savings



\$301 M of investment in energy efficiency upgrades



292,300 Tonnes Annual GHG Reductions

\$44.1 M Incentives



Success Factors to Date

- Client-focused approach to program development in all sectors & all energy sources
- Focus on sustained energy savings through a comprehensive – energy management approach
- Incentives as a tool to help NB do more and do it faster
- Soften the road/prepare the market for EE regulations and standards
- Strategic investment in capacity building in all sectors
- Strong partnerships (e.g. DSM Study with NB Power)



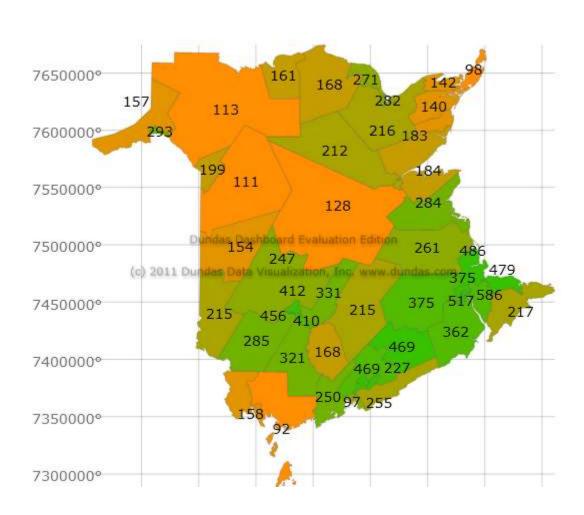
Economic Benefits to NB

- Cdn and US studies estimate EE investments to have an employment multiplier of between 6-19 jobs per \$1M of investment
 - Current total investments in EE in NB are approx. \$300 M

 an estimated increase in 3,000 person years of employment over the past 4 years



Economic Benefits to NB

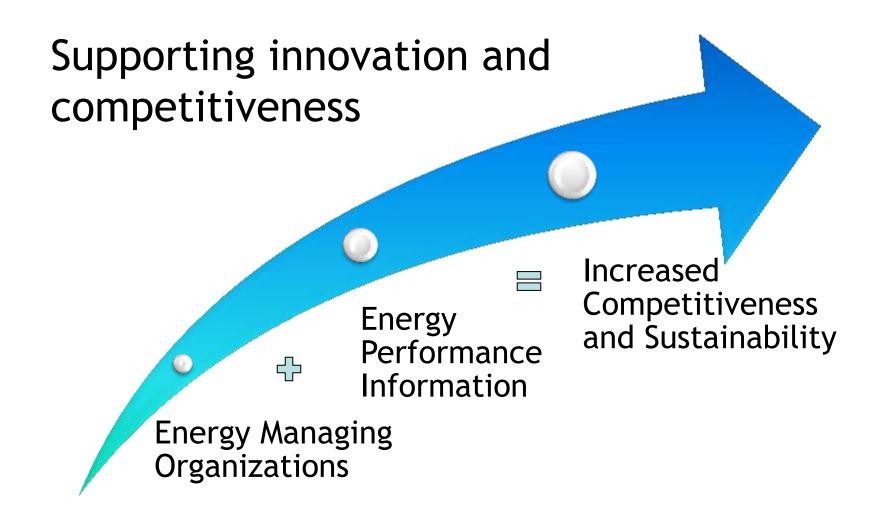


Since 2005, over 17,000 homeowners have spent \$180 M on supplies and services purchased in their local economy.

This represents a leverage of \$5 for each \$1 paid in incentives.



Industry - A partnership that works





Competitiveness and Sustainability in Industry

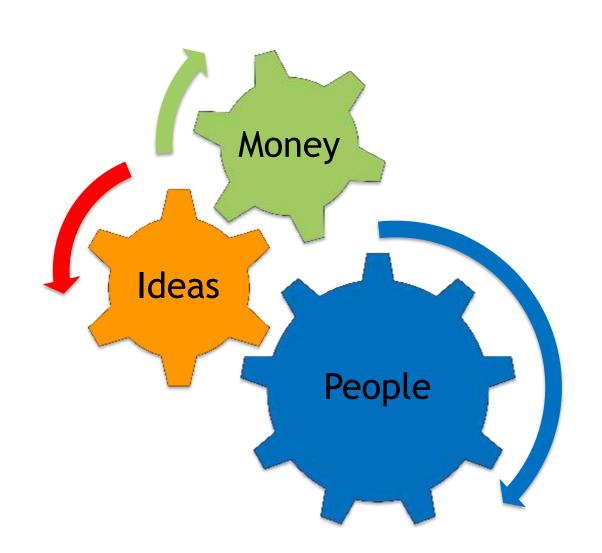
- In mid 2011, the ISO 50,001 standard will be released focusing on energy management
- Supply chain economics are already demanding it (aka the WalMart effect) - IKEA



 New Brunswick Industry is ahead of the curve in meeting this challenge - 75 % of participants are active in EMIS investments



Energy Efficiency is all about:





Investing in People

Building Capacity:

Contractor training in EE techniques

Home building retailers

Advanced green building design workshops (CGBAC, BOMA)

Energy management certifications

Technical opportunities (boilers, fans, kilns, pumps)

Employee engagement strategies



Efficiency NB

For more information about our programs, call Efficiency NB at

1-866-643-8833

or

visit our website at

www.efficiencynb.ca