



# Sustainable Renovations Leadership Team

*January 31, 2012*

***“Sustainability cannot happen if a sustainable approach is not found that works for all the parties involved.”***

Sponsored by





## **Sustainable Renovations Leadership Team**

### AGENDA

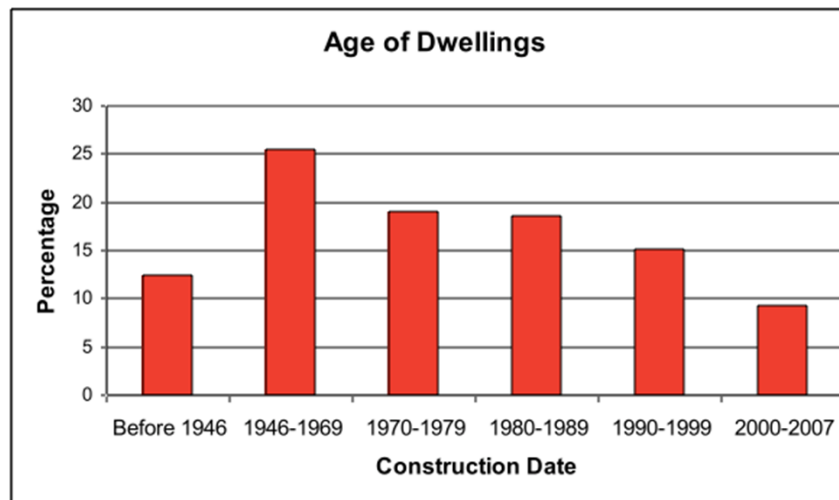
January 31, 2012

1. Future Proofing for Existing Homes
2. Future Proofing Tools
3. Earth Day Community Engagement

# The Current Landscape



- There are almost 7,000,000 existing homes in Canada (6,708,259 houses in Canada, as of October 16th 2009)
- Over 35% are 40 years or older, and over 60% are 30 years or older - they are not energy efficient



- Over \$25.8 billion was spent on renovations in 2009
- 9% of homes get renovated for energy efficiency each year - this is anticipated to increase

# The Green Renovation Landscape



A poll in 2010 of Canadian attitudes towards going green:

- 91% - would consider using or installing energy efficient products if they were doing home renovations.
- 62% - said it's not easy to keep up with ways to save energy and money and take advantage of rebates
- 93% - would welcome a one-stop resource that makes it easier to understand how to both make homes greener and save money.
- 51% - are planning to undertake home renovations in next 6 to 12 months
  - 88% want to know how to make their home greener
  - 83% are looking for ways to reduce home energy bills

Canadians said their renovations would include:

- 48% - would install new windows and doors
- 36% - would install low flush toilets
- 34% - would air seal and draft proof

[Source: Scotia Bank's Survey at Green Living program, April 14<sup>th</sup>, 2010 to April 16<sup>th</sup>, 2010]



## **Update as of Saturday, January 28<sup>th</sup>:**

- The ecoENERGY program has successfully reached its goal of 250,000 registered homeowners.
- The program is no longer accepting new registrations.
- All retrofit renovations must still be completed by March 31, 2012.

# Existing Home Programs



## Energy Saving Incentives

### Eco Energy & Ontario Home Energy Savings

- Government incentive for upgrades



Minor  
Reno/Addition

Y

Major  
Reno

Y

## Green Certifications



### Built Green Canada

- 4 level tier certification

- Self verified except for Energy Performance

Y

Y



### LEED for Homes

- Four level tier certification

- 3<sup>rd</sup> party verified

N

Y



### Nat'l Green Bldg Std (NHBA) – (GreenGlobes)

- Four level tier certification

- 3<sup>rd</sup> party verified



Y

Y



### GreenHouse (pilot project)

-threshold certification (ERS80)

- 3<sup>rd</sup> party verified

GreenHouse  
CERTIFIED CONSTRUCTION

N

Y

# Canada's Environmental Priorities



Focus our targets & results on our Environmental Priorities:

## 1. **Energy Efficiency**

- The Residential Sector uses the 3<sup>rd</sup> highest amount of energy. Two goals - conservation and transformation to primary and renewable sources.

## 2. **Water Efficiency**

- Canada is the 2<sup>nd</sup> highest consumer of water. 56% is consumed for residential uses and transport of water to and from sources consumes a considerable amount of energy.

## 3. **Reduce Carbon Emissions**

- Canada has the 2<sup>nd</sup> highest carbon footprint at 7.6 hectares, the global average is 2.2 hec. Canada must reduce GHG emissions by 6% between 2008 and 2012 according to Kyoto.

# The Green Renovation Landscape



NOW WHAT?





# Future Proofing



## TOOLS

### 1) Initial Engagement

- **Energy Savings Calculator with Upgrade Recommendations**
  - *Launch March 2012*

### 2) Benchmarking, Motivation and Results

- **Green Assessment Tool → Certification**
  - *Earth Day Community Engagement – Initial Home Assessment Framework Complete April 22nd (inventory)*

### 3) Education, Homeowner Support and Real Ongoing Results Tracking

- **Future Proofing Solution**

# Earth Day Engagement



## Earth Day Community Engagement

*April 22<sup>nd</sup>, 2012*

*Currently 2 communities*

- 1) Leslieville North (John's Community)*
- 2) Beaches (Jiri's Community)*

### **Goals:**

- Generate list of interested homeowners*
- Initial Home Assessment Framework*

*Complete April 22<sup>nd</sup> (inventory)*



# Green Assessment Tool



## Developing the Home Assessment Framework

- Assessment → Certification
- Certified Green Professional
- Green Approved Products

## Next Meeting:

- Strategic Assessment, Overall Vision for the Program
- Review Future Proofing payback on 2 to 3 example projects, both major and minor examples  
(likely homes already completed)



Comments and next steps