



Energy Efficiency Opportunities: *Multi-Family Buildings*

AEEA – Launching Energy Efficiency In Alberta
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Overview

- Why Multi Family Energy Efficiency?
- Project Examples and Results
- Key Lessons Learned



Why Multi-Family Energy Efficiency?

- Huge Untapped Opportunity
 - ~320,000 units in Alberta
 - 21% of the housing stock
 - Old, inefficient, ripe for upgrades
 - $\frac{3}{4}$ of stock in buildings >20 units
- Large number units can be upgraded at once
- Co-benefits

Program Design Projects

- Key Themes
 - Huge interest
 - Lack of knowledge/experience
 - Lack of time
 - Skepticism
 - Stuck in the middle/lack of program

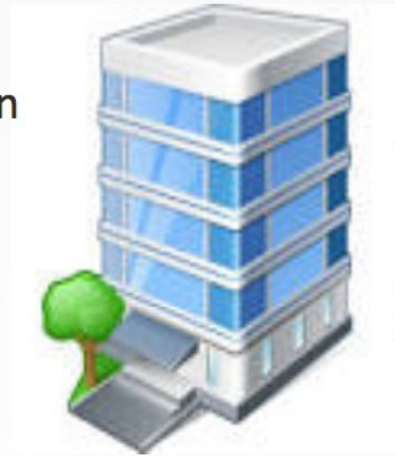
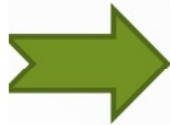
Energy Efficiency Programs

- 2012 Condo Program
- 2013/14 Low Rise Rental Program
- 2013-15 Innovative Tech. Condo Program
- 2014-17 Operation Cost Cutter Programs
- 2015-17 Rental Apartment Efficiency Program (RAP)

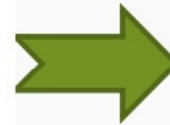
RAP Overview



Application
Package



Approval



Implementation

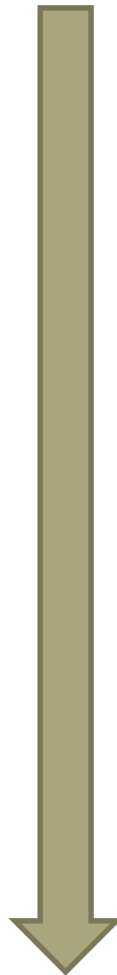
**Major Upgrade
Implementation Rate**

0-10%

10%-30%

65%-70%

75%-95%



Support Level

Little-No Support

Light Support

Significant Support

Extensive Support



Key Lessons Learned

- Multi-family usually a missed opportunity
- Economics are strong
- Key challenges
 - Lack of knowledge, time
 - Skepticism

Keys To Success

- **Key to success is implementation support**
- Effective pre-qualification of participants
- Allow enough time for success
- Leverage low-hanging fruit; go deeper

Thank you.

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