Getting to Implementation in Edmonton
NOT getting to implementation

Our original community target ...

6% reduction by 2010

compared to 1990
NOT getting to implementation

Our original community target ...

6% reduction by 2010

compared to 1990

Actual: 2010 up 9%

Actual: 2014 up 27%
Today ...

• The path we’ve travelled since 2010
• What we’ve learned
• Why we think we’re on a better path today
• The keys to implementation
## Strategy Development Process

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
</tr>
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</table>

(Cityscape background with Edmonton logo on the right side)
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Another plan!
<table>
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<th>What is sustainability?</th>
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**Strategy Development Process**
## Strategy Development Process

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What’s it going to cost?
## Strategy Development Process

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- **The Way We Green**
  - A City of Edmonton's Environmental Strategy Plan

- **Edmonton’s Energy Transition**
  - Discussion Paper – Summary Document
# Strategy Development Process

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*THE WAY WE GREEN*

*Edmonton’s Energy Transition*

*Citizens’ Panel on Edmonton’s Energy and Climate Challenges*
Strategy Development Process

What is sustainability?  |  What’s possible?  |  What’s supported?  |  What’s justified?

THE WAY WE GREEN  |  Edmonton’s Energy Transition  |  Citizens’ Panel on Edmonton’s Energy and Climate Challenges  |  Edmonton’s Community Energy Transition Strategy
Why we will succeed this time ...
1. We have a strong mandate and political buy-in.
2. We understand the need for leadership and citizen engagement.

- Commitment to create a community leadership body
- Commitment to lead by example in City operations
Why we will succeed this time ...

3. We have a strong organization & accountability framework.
Why we will succeed this time …

4. We understand the solutions … their costs … their benefits. Budgets are being developed.

<table>
<thead>
<tr>
<th></th>
<th>Step 1</th>
<th>Step 2</th>
<th>Future Steps</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>New Funding</strong></td>
<td>$1.9 M</td>
<td>$1.9 M</td>
<td>$30 M/yr</td>
</tr>
</tbody>
</table>
5. Everyone understands the need for a market transformation approach.
Why we will succeed this time ...

6. Everyone understand the need for an Alberta-wide approach.
## Benefits?

| Economic          | • Private NPV = $2.5B  
|                  | • Public NPV = 3.3B  
|                  | • Competitive industry  
|                  | • Diversified economy  
|                  | • Global reputation  |
| Social           | • Cleaner air = healthier people  
|                  | • Mode shift = healthier people  
|                  | • Vibrant urban form = happier people  
|                  | • Safety: more resilient energy systems  |
| Environmental    | • Reduced risk – climate change  
|                  | • Reduced risk – dependence on fossil fuels  
|                  | • Benefits to air, water, biodiversity  |
2035 Targets?

• **Climate Change Mitigation**
  35% reduction in GHG emissions (from 2005)

• **Energy Efficiency**
  25% reduction in energy use per person

• **Energy System Resilience**
  10% of Edmonton’s electricity generated locally
Getting to Implementation in Edmonton