

Edmonton's Community Energy Transition Strategy



Jim Andrais, Program Manager, Environmental Policy
City of Edmonton | March 4, 2015

Edmonton

Edmonton's Community Energy Transition Strategy

A risk management strategy
designed to preserve
Edmonton's quality of life ...
by responding to **energy**
and climate risks and
opportunities



www.edmonton.ca/energytransition

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2035 Targets

- **Climate Change Mitigation**

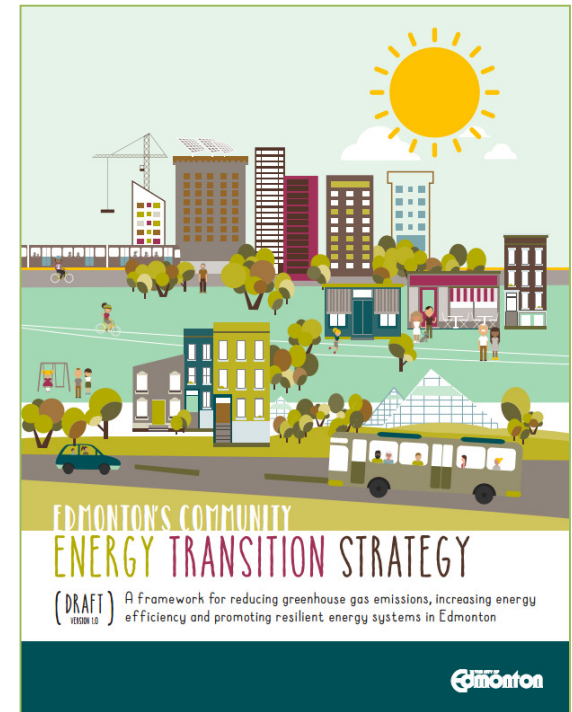
35% reduction in GHG emissions (from 2005)

- **Energy Efficiency**

25% reduction in energy use per person

- **Energy System Resilience**

10% of Edmonton's electricity generated locally

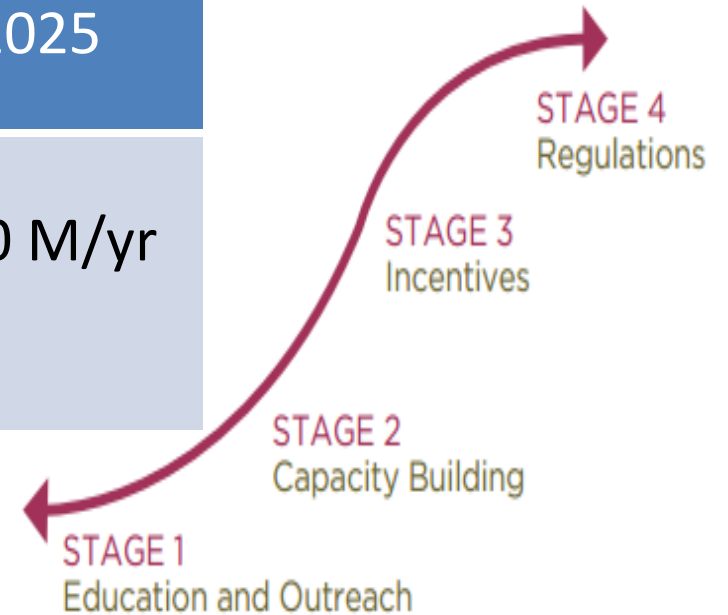


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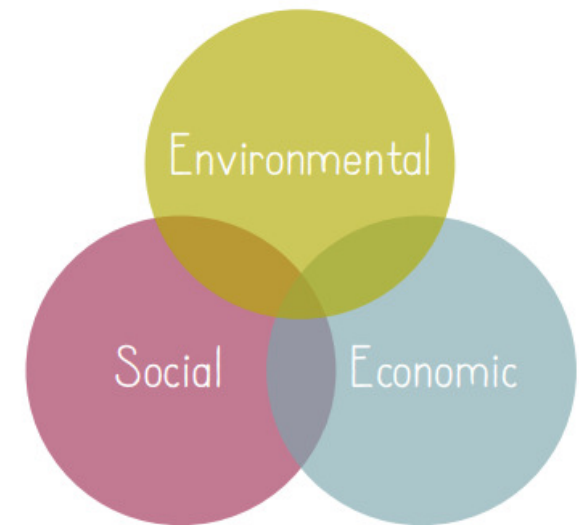
What's it going to cost?

2016	2017	2018-2021	2022-2025
\$1.9M	\$1.9 M	\$1.9 M + \$27.5 M/yr	\$60 M/yr



What are the benefits?

- \$2.5 B NPV (private) to 2035
- \$3.3 B NPV (public) to 2035
- More competitive economy
- More diversified economy
- New jobs / industries
- Cleaner air / healthier people
- More vibrant urban form / happier people
- Reduced dependence on cars / healthier people
- Global reputation
- Less vulnerable to energy and climate related risks



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What's different this time?



What's different this time?



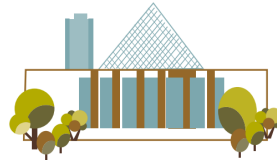
Stronger community leadership & community engagement



What's different this time?



Stronger community leadership & community engagement



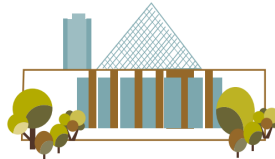
COE leading by example



What's different this time?



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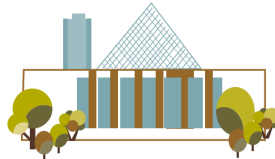


Well conceived community-scale programs

What's different this time?



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Well conceived community-scale programs

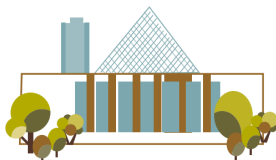


Province-wide approach

What's different this time?



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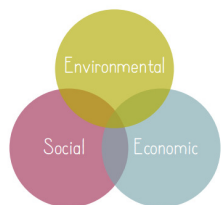
COE leading by example



Well conceived community-scale programs



Province-wide approach



Stronger management approaches (TBL and lifecycle methodologies, better economic/modelling tools, better monitoring and measuring tools, dynamic planning approaches, proactive approaches to innovation, stronger accountability/governance frameworks ...)



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