

Edmonton's Community ENERGY TRANSITION STRATEGY



Jim Andrais, Program Manager, Environmental Policy
City of Edmonton | March 2, 2016

Edmonton

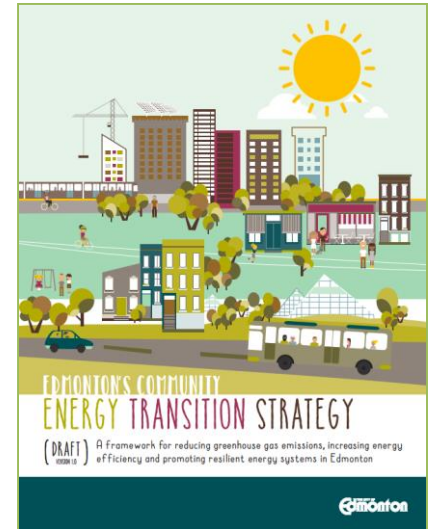
Edmonton's CETS is ...

a risk management strategy
designed to preserve
Edmonton's quality of life ...
by addressing major energy
and climate risks



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



Three Phases

One

2015 - 2016

**Establishing
Governance /
Management
Frameworks**

Two

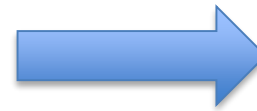
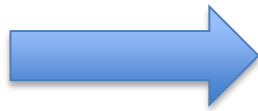
2015 - 2018

**Gearing Up for
Community-
Scale Programs**

Three

2019 – 2022 (and beyond)

**Launching
Community-
Scale Programs**



Phase One

2015 – 2016

Establishing Governance/Management Frameworks

- ✓ Strategy approved
- ✓ City Policy C585
- ✓ Operating Budget
- ✓ City Council Advisory Committee
- ✓ Administrative Advisory Committee
- ✓ New staff
- ✓ Corporate Sustainability Officer

Phase Two

2015 – 2018

Gearing Up for Community-Scale Programs

Information, Marketing & Communication

- Marketing/Communication Program
- Demonstration Program
- Energy efficiency information tool

Phase Two

2015 – 2018

Gearing Up for Community-Scale Programs

Energy Use in Buildings

- Update City Policy C532
- Review ... re: barriers to green buildings
- Home energy labeling program
- Energy reporting program (large buildings)
- Recommissioning program (large buildings)
- Retrofit program (homes)
- Retrofit program (large buildings)
- Light Efficiency Community Policy

Phase Two

2015 – 2018

Gearing Up for Community-Scale Programs

Generation

- Downtown District Energy System
- Edmonton-wide district energy study
- CHP uptake program
- Solar PV uptake program
- Purchase green power
- Community solar PV policy framework

Industry

- Advocate for industrial energy efficiency program
- Eco-industrial pilot project in the Aurum Energy Park

Phase Two
2015 – 2018

Gearing Up for Community-Scale Programs

Land Use, Transportation and Development

- Expand LRT
- Infill initiatives
- TOD initiatives
- Energy efficiency criteria for new developments
- Electric and autonomous vehicles
- Minimum parking requirements

Phase Two

2015 – 2018

Gearing Up for Community-Scale Programs

City Operations

- City owned buildings – energy efficiency
- City owned buildings – renewable energy
- City owned residential developments
- Civic accommodations
- Transit initiatives
- Employee commuting
- Municipal fleet energy efficiency and conservation
- Roadway lighting
- Traffic flow
- Drainage
- Financial strategies (including advancing PACE)
- Advancement of TBL Tools

Edmonton's Community ENERGY TRANSITION STRATEGY



Jim Andrais, Program Manager, Environmental Policy
City of Edmonton | March 2, 2016

Edmonton