

Energy Efficiency Alberta's quick start leads to new benchmark for success

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Agenda

1. Who is Energy Efficiency Alberta?
2. Evolution
3. Results
4. Looking forward

Alberta



- Province in Western Canada about the size of Texas
- Pop: 4.3 million population
- Industries: oil & gas, forestry & agriculture
- Deregulated electricity market

Alberta was the last jurisdiction in North America to have dedicated energy efficiency programming.

Birth of centralized energy efficiency in Alberta



Energy Efficiency Alberta's mandate



Quick start

- Two employees, four program implementation contractors
- Building while delivering
- Four programs launched
- Within months, 50 staff and 100 contracted program delivery personnel



Year One



Direct installations in over 113,000 homes



Reached ~10% of Alberta households



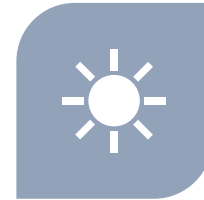
9.5 million products purchased in store



10,000+ home retrofit projects completed



Solar projects in 500+ homes, businesses or non-profits



Solar installed capacity 4.8 MW



1,200+ participating contractors

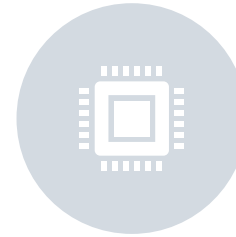


1,300+ commercial projects completed

Year Two



**INFRASTRUCTURE
AND CAPACITY
GREW**



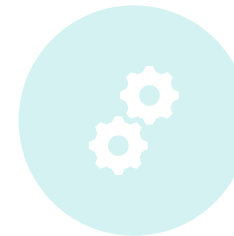
**DSM AND CRM IT
SYSTEMS**



E PRO NETWORK



**POTENTIAL
STUDY**

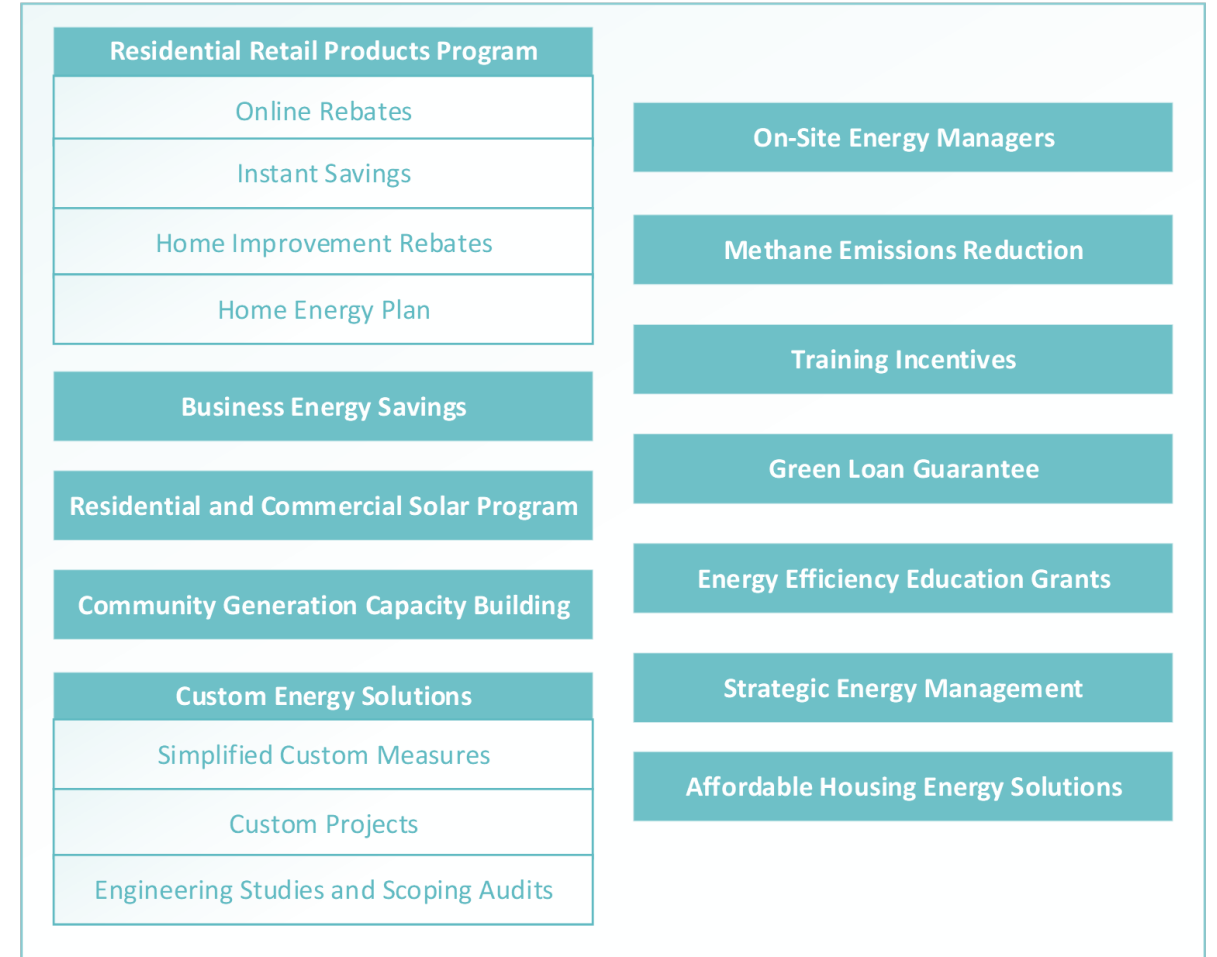
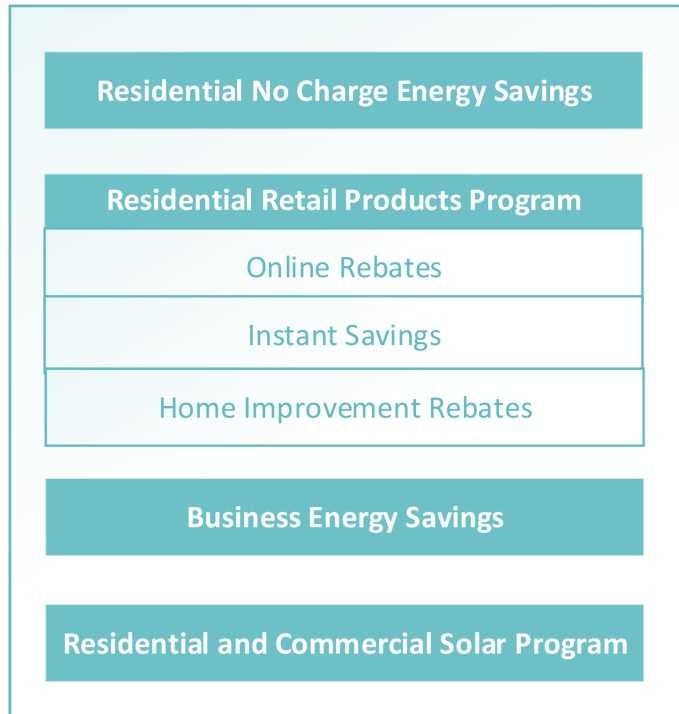


**TECHNICAL
RESOURCE
MANUAL**

The Evolution of Programs

- Residential programs expanded to include a comprehensive home energy evaluation and additional opportunities for home retrofits.
- A custom program was developed and launched that included incentives for scoping audits, engineering studies, custom projects, on-site energy managers, and strategic energy management cohorts.
- A methane emissions reduction program was launched to help oil and gas facilities identify and reduce or eliminate methane waste.
- EEA's portfolio expanded from incentive programs into energy efficiency financing.
 - The Green Loan Guarantee program was launched, a credit enhancement program designed to help improve the borrowing terms for energy efficiency, renewable energy or clean technology financing in the private market.

The Evolution of Programs



Impacts



\$850M

IN ECONOMIC GROWTH
for Alberta



\$692M

BEING SAVED
through energy savings
and emission reductions



5.7M

TONNES
of GHG avoided



\$84

BEING SAVED
for every tonne
of CO₂e reduced



\$3.20

BEING RETURNED
to Albertans for every \$1 invested
in energy efficiency



36M

CUBIC METRES
of water savings



15.5M

PRODUCTS
with energy-efficient technology
purchased, enough to power
1.2 million homes for a year



214K

PARTICIPANTS
in energy efficiency programs



3K

OIL AND GAS SITES
with methane emission
reduction projects in progress

Figures are calculated since the start of Energy Efficiency Alberta programs in April 2017 to March 31, 2019. Performance results are for energy savings and GHG reductions, calculated over the lifetime of the products installed. Energy savings and greenhouse gas reduction figures have been reviewed and verified by a third party except for in-progress industrial and commercial custom projects. Numbers have been rounded so may not always add to 100 per cent.

Alberta's Energy Efficiency Potential

\$1B

\$1 billion/year of gross savings

1%

Annual decrease in electricity

2.5:1

Return on investment > 2:1



Funded at \$150 million annually, combined with \$290 million from program participants

**...then everything
changed!**

ELECTIONS ALBERTA

**In April 2019, Albertans
selected a new
government with
different priorities.**

Selling Energy Efficiency Alberta

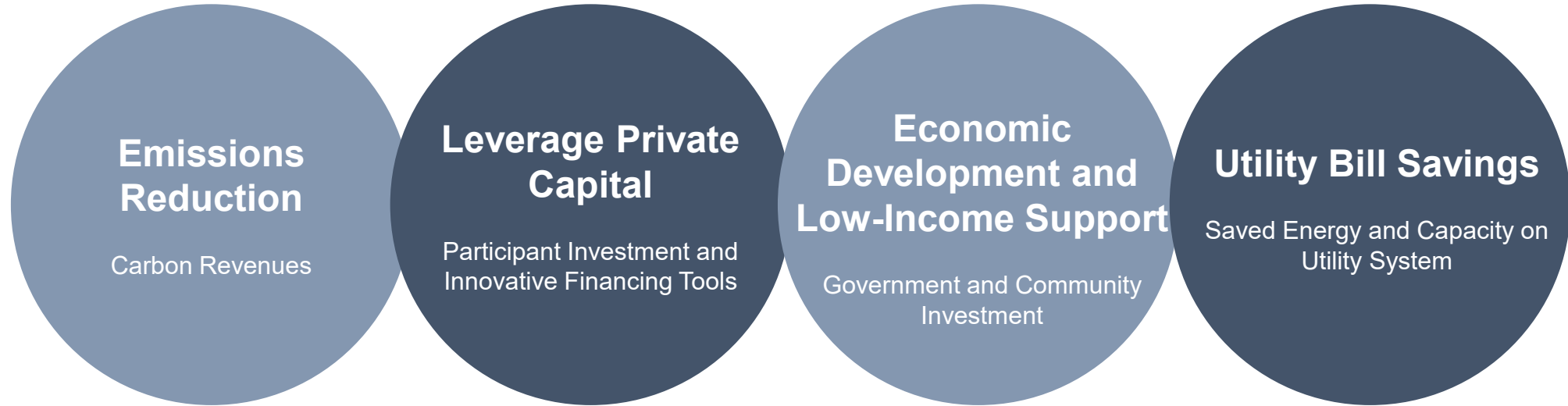
Providing economic growth

Making industries and small businesses more competitive and efficient

Grow businesses and help create local jobs

...and we can help with emission reductions!

Benefits and Funding



- Carbon pricing is the current funding mechanism for Energy Efficiency Alberta
- Stacking additional funding streams common in other jurisdictions will create greater value for Albertans

Let's stay in touch

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