

IESO
2016 Conservation Results Report
DRAFT 2
16 pages + cover

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Message from the Vice-President, Policy, Engagement and Innovation

Ontario continues to make steady progress towards its 2020 conservation target of seven terawatt-hours (TWh) of energy savings through Conservation First Framework (CFF) programs and an additional 1.7 TWh through the Industrial Accelerator Program (IAP). Electricity consumption was about nine per cent lower in 2016 than it was ten years earlier – due to conservation programs, innovation, new technologies and ongoing changes in energy-use behaviour.

Combined net 2020 annual energy savings for 2015 and 2016 totaled 2,810 gigawatt-hours (GWh), representing a combination of 38 per cent of the 2020 CFF and 10 per cent of the 2020 IAP targets. Conservation continues to be Ontario's most cost effective resource, achieving energy savings for our system at less than three cents per kilowatt-hour in 2016, according to results verified by independent third-party evaluators.

There is much to be proud of in these numbers: first, it is heartening to know that in 2016, Ontarians saved enough energy to power approximately 300,000 homes for one year, which is equivalent to all the homes in the city of Ottawa. But more than this, the numbers point to a steady cultural shift. More people than ever understand the value of using energy wisely and say they know what to do to conserve. We are also seeing the conversation around saving energy growing, with an increase in the number of people saying they heard about energy conservation in 2016 (69 per cent, compared to 66 per cent in 2015). This is an important point because the more people hear about energy conservation -- and take action -- the more progress we can make against our 2020 target.

I'd like to take this opportunity to commend Ontario's local distribution companies (LDCs) for their role in keeping the conversation about energy efficiency alive with their customers, for delivering solid results in their communities, and for stepping up to the plate with ideas designed to harness emerging technologies and drive even greater energy efficiency. The IESO is committed to this kind of innovative thinking and will continue to look for ways to support it financially through the Conservation Fund and the LDC Innovation Fund.

If there is one thing the numbers clearly show, it's that Ontario's transition to a conservation culture is a collective experience – where individual savings ladder up to even bigger savings. Energy conservation is one of many ways that Ontarians are

building a strong energy future, and the IESO will continue to work with all stakeholders, communities, partners and local distribution companies to ensure that, whatever the future holds, Ontario's electricity system will be ready, providing safe, reliable and sustainable electricity.

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Results at a glance – New infographic

Energy Savings delivered

Energy savings from 2016	1.267 GWh*
	45 per cent of total 2015-16 savings (persisting to 2020)
annual savings from 2015-2016	2,810 GWh* (persisting to 2020)
annual savings from Business programs from 2015-2016 (persisting to 2020)	2,015 GWh*
2015-16 Residential savings	770 GWh* (persisting to 2020)

Cost to deliver programs

2015-16 Program spending	\$819 million
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2016 Resources to deliver results

New energy managers trained through Energy Manager Program	136
Save on Energy coupons redeemed	9.7 million
Total energy-efficient products purchased	17million
Funding paid through Conservation Fund	\$4.3 million

Value for money

Cost to deliver savings	2.09 ¢ per kilowatt-hour
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Energy savings equivalent to energy used in one year for all the homes in a city the size of Ottawa

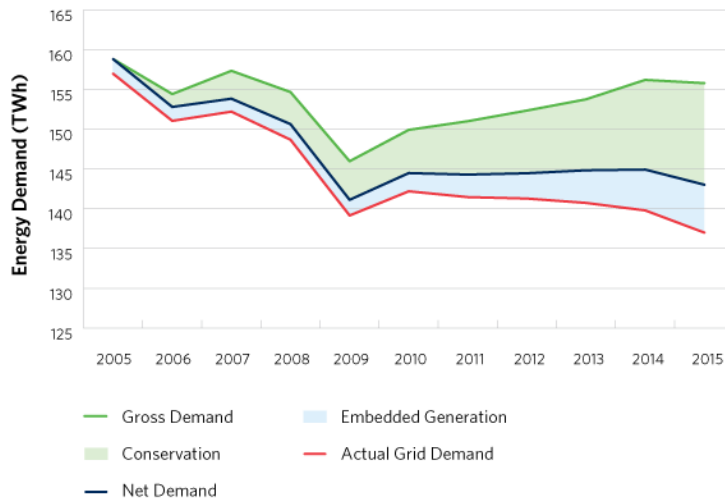
**Note: Energy savings persisting to 2020 means verified savings expected to continue to December 31, 2020.*

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Conservation Program Achievements

In 2016, electricity consumption was about nine per cent lower than it was 10 years earlier, due to conservation programs, innovation, new technologies and ongoing changes in energy-use behaviour.

Ontario Energy Demand 2005 - 2015

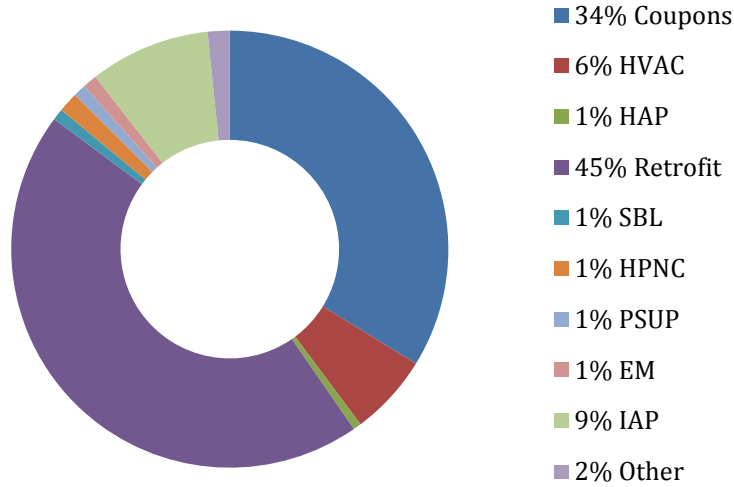


2016 Highlights

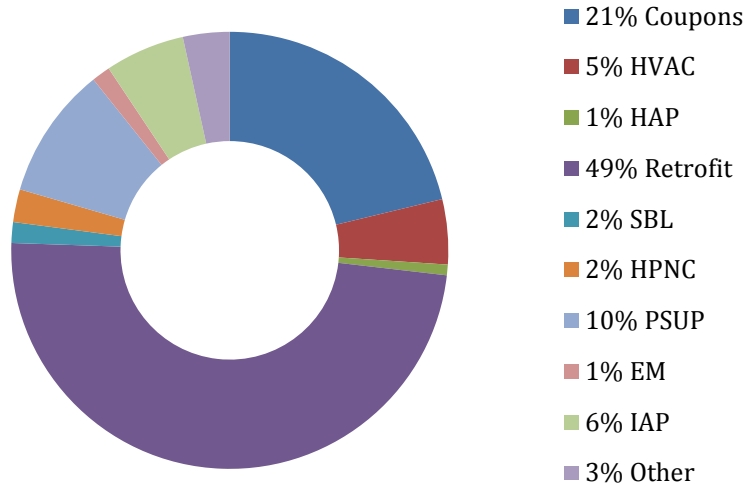
- Approved conservation and demand management plans were in place for all LDCs in the province. Each LDC has an allocated energy savings target, which feeds into the overall seven terawatt-hour Conservation First Framework target. LDC Conservation and Demand Management (CDM) Plans are posted on the “Conservation Delivery and Tools” page at www.ieso.ca.
- The Save on Energy Coupons Program achieved a record, delivering 428 GWh of 2020 annual energy savings in 2016, more than doubling 2015 results. LED light bulbs accounted for 93 per cent of coupons redeemed and 96 per cent of program savings.
- Business customers completed 11,190 projects through the Save on Energy Retrofit Program. This program continued to be the highest performing program, achieving 567 GWh of energy savings in 2016 (or 45% of the annual savings). Lighting represented 74 per cent of program savings.

- Energy savings through in-service projects under the Industrial Accelerator Program (IAP) totalled 113 gigawatt-hours in 2016, and overall the IAP has 35 per cent of the 2020 target either contracted or already in service.
- Over 30% of IAP customers have contracted additional resources devoted to energy savings projects through the Energy Manager program.
- Four LDCs achieved at least 90 per cent of their target and nine others were above 50 per cent.
- Twelve different province-wide conservation programs were in place, as well as 11 local and regional programs and 22 LDC Innovation Fund and IESO Conservation Fund pilots tailored to the needs of specific communities.
- The IESO launched the new Energy Performance Program for Multi-Site Customers in December 2016. The pay-for-performance program offers business customers a financial incentive of four cents per kilowatt-hour for all savings in a building per year, for up to four years.
- Eleven Aboriginal Community Energy Plans (ACEP) representing 19 First Nation communities were received, bringing the total number of ACEPs funded through the IESO since 2013 to 95.
- Financial support was provided through the Conservation Fund to five initiatives highlighted in the Innovation and Collaboration section of this report.
- The IESO completed an Achievable Potential Study (APS) to help inform electricity efficiency planning and programs in Ontario. The results confirmed the allocated CFF target was achievable within the 2015-2020 timeframe and budget. The 2016 APS Results are a key input into the Mid-term Review and are used to help inform LDC program design and delivery, regional planning, and long-term energy planning.

2016 Savings Achievement



2015-2016 Savings Achievement



(BACK UP DATA FYI

Contribution

		2016		2015-2016	
		Net 2020 Annual Energy Savings (kWh)	(%)	Net 2020 Annual Energy Savings (kWh)	(%)
1	Coupons	427,989,595	34	596,699,801	21
2	HVAC	76,249,162	6	135,023,674	5
3	HAP	7,538,941	1	22,138,797	1
4	Retrofit	567,112,182	45	1,368,808,988	49
5	SBL	10,760,789	1	43,065,883	2
6	HPNC	18,772,882	1	68,402,688	2
7	PSUP	11,736,207	1	274,632,061	10
8	EM	13,429,453	1	38,612,520	1

9	IAP	113,017,900	9	165,716,612	6
10	Other	20,565,586	2	97,036,627	3
	Total	1,267,172,697	100	2,810,137,651	100

Other includes: Save on Energy New Construction Program, Save on Energy Audit Funding Program, Save on Energy Existing Building Commissioning Program, LDC Local Programs, LDC Innovation Fund Pilot Programs, Conservation Fund Pilot Program)

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Innovation and Collaboration

The IESO is committed to exploring, and providing financial support for, demonstration projects that use emerging technologies to enhance the safety and reliability of Ontario's electricity grid, including renewable energy technologies, and innovative program delivery methods.

IESO Conservation Fund

In 2016, the IESO committed \$9.5 million through its Conservation Fund to five research and development initiatives that were identified as having the potential to deliver significant energy savings. These projects included:

- Expansion of CanmetENERGY's RETScreen Expert platform, a tool that enables electricity consumers in the Ontario commercial, institutional, industrial and agricultural sectors to quickly identify profitable energy efficiency projects for a given facility. Based on the enthusiastic market response to RETScreen Expert additional funds were provided in 2016 to: i) expand the library of built-in building models; ii) enable modelling of Combined Heat and Power projects; and iii) facilitate the transfer in and out of the tool using the Green Button data standard or NRCan Portfolio Manager.
- -A number of Local Achievable Potential Studies (L-APS) have been funded to better determine the potential for incremental conservation and demand management as an option to address local and regional needs.
The studies will evaluate the technical and economic feasibility of potential 'non-wire solutions' which could help avoid or offset the need for investment in new electricity system infrastructure.
- A project to test ways of increasing consumer response to time-of-use (TOU) rates through low-cost changes to bill presentment. This project will determine if bills that more effectively communicate consumption and TOU information can drive greater load-shifting and conservation behaviour. One outcome is the *Introduction to Behavioural Economics for CDM Applications and Best Practices for Bill Design* guide, for use by LDCs.

The Conservation Fund provides financial support for projects that will lead to large-scale transformation in the marketplace or a change in consumer behavior, as well as

projects that demonstrate the energy saving potential of emerging technologies and test novel conservation concepts.

LDC Innovation Fund

In addition to the above-noted projects, the IESO also provided funding for 20 LDC-initiated pilot programs through a separate fund called the LDC Innovation Fund.

Through this fund, LDCs receive financial support for the design and market testing of new initiatives before they are offered as full-scale programs in the marketplace. LDCs can also apply for funding of joint activities where a collaborative approach to training, events, customer outreach, program design and delivery helps to minimize administrative costs.

The pilots funded in 2016 achieved over 14 GWhs of verified 2020-annual energy savings, and included the following:

EnWin Utilities: Residential Heat Pumps Pilot

As many residents of the Little River Acres community rely on both electric baseboard heating and need summer cooling, incentives and financing options were offered to reduce electricity demand and associated costs. This pilot in the Little River Acres community will confirm: the energy savings associated with heat pumps; customer satisfaction with this technology and with the project incentives, as well as the effectiveness of baseboard heat controls paired with heat pump thermostats. Ninety-five heat pumps were installed in homes within the community. Survey results showed that 96 per cent of participants were happy with the installation process and the performance of the technology.

Toronto Hydro: RTUsaver pilot

The objective of this pilot was to reduce energy consumption by adding advanced controls to rooftop HVAC systems at no cost to the participant. Thirteen facilities took part in the pilot, resulting in 500 MWh of net savings verified through an independent third party evaluation. Toronto Hydro used the learnings and results from the pilot to design a similar and broader offering for its commercial customers.

Hydro One Networks Inc.: Air Source Heat Pump for Residential Space Heating

This pilot promoted the use of air source heat pumps, a technology that draws heat from the outside during the heating season and rejects heat outside during the summer cooling season. A total of 112 customers enrolled in the early phase of the pilot. Of

these, 83 per cent indicated they were satisfied. Hydro One used the results of this pilot to pursue an air source heat pump pilot for low-income customers.

Local Program: Business Refrigeration Incentives Program

This program targeted electricity savings opportunities through the installation of commercial refrigeration measures which were identified through facility assessments. First offered as a local program by the former PowerStream in 2015, it was later offered to all customers that would become Alectra customers. The program resulted in 928 MWh of net verified energy savings persisting to 2020, confirmed through independent third party evaluation. A province-wide version of the Business Refrigeration Incentives program has now become a province-wide program.

2016 Reported Conservation Program Savings, Costs, and Participation

The table below contains the electricity savings and administrative costs and participation reported in 2016. In some cases savings for projects in certain programs may be reported in a different year than the costs. For example, savings from projects in the Conservation Fund and Existing Building Commissioning typically occur in the years following the costs.

	Energy Savings (GWh)	Program Costs (\$M)	Incentive Costs (\$M)	Participation
Residential Sector Programs				
Coupons	428	10	31	17,053,287 products
Heating and Cooling Incentive	76	5	33	136,617 HVAC measures
New Home Construction Program	2	1	3	130 homes
Home Assistance Program	8	3	7	5,066 homes
peaksaver PLUS*	(150 MW of demand response capacity)	3	6	320,158 devices
Business Sector Programs				
Audit Funding	3	2	1	213 projects
Retrofit Program	567	38	102	11,190

				projects
Small Business Lighting	11	3	3	2,421 projects
High Performance New Construction	19	4	13	180 projects
Existing Building Commissioning	0	1	0	0 projects
Process & Systems Upgrades	12	5	17	5 projects
Energy Managers	13	1	3	69 projects
Monitoring & Targeting	0	0	0	0 projects
Industrial Accelerator	113	4	19	25 projects
Other				
LDC Local Programs	2	10	0	-
LDC Innovation Fund Pilots	14	5	0	-
Conservation Fund Pilots	0	4	0	-
IESO Central Services	n/a	22	0	-
Other 2011-14 Legacy Framework Programs	0	2	1	-
Total	1,268	123	240	

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People Delivering the Savings

In 2016, business customers completed 11190 projects through the Save on Energy Retrofit Program and delivered over 567 GWh of energy savings for Ontario, or 45 per cent of total 2016 energy savings persisting to 2020.

Through the IAP, transmission-connected customers from all sectors are actively participating in the program, bringing forward projects from lighting, to pump and motor upgrades, to large-scale waste-energy recovery projects.

Brampton Brick and Glencore are two Ontario business customers that are finding innovative ways to save energy and operate more efficiently.

Brampton Brick

“Our annual electricity consumption used to be 22.3 megawatt-hours with a peak demand of 4.1 megawatts. Our average annual electricity costs were well over \$2 million, including our global adjustment costs,” said Brad Duke, Brampton Brick’s Senior Vice-President, Operations.

Brampton Brick, which produces 150,000 bricks a day from its plant northwest of Toronto, reined in electricity costs in several ways. In addition to developing a demand response strategy for shifting electricity load during peak times, the company upgraded its lighting, heating and air conditioning and compressed air systems. With each new project, the team turned to the Save on Energy Retrofit Program, delivered by Alectra, for financial incentives to offset some of the upfront costs for energy efficiency upgrades.

By replacing high-bay metal halide light fixtures with energy efficient, occupancy-controlled LED fixtures at the company’s 400,000 square-foot facility, Brampton Brick reduced its lighting load by over 278 kilowatts and lowered annual consumption by about 2.3 megawatt-hours. An upgrade to the plant’s rooftop unit yielded further savings of 2,187 kilowatt-hours. These energy reductions represent energy savings of approximately 12 per cent annually, not including the approximately 40 to 50 per cent the company is saving monthly on global adjustment costs.

Glencore

“Without the financial incentives we received through the Industrial Accelerator Program, there’s no way our new ventilation-on-demand project would have gotten off the ground,” said Zachary Mayer, Glencore’s Manager, Mine Technical Services. “But with the incentives, the payback is about two years, plus we have the benefit of substantial ongoing energy savings.”

Glencore’s Kidd mine in Timmins, Ontario, is the deepest base metal mine in the world. At depths equivalent to almost six CN Towers, ventilation is by far one of its highest operating costs. The company installed a system of occupancy sensors linked to radio frequency ID tags embedded in workers’ cap lamps that alert a centralized logic control centre as to workers’ locations. Communication is instantaneous. When the control centre senses the presence of workers and equipment, it adjusts airflow louvers and fan blades to direct the flow of air to where it is needed. As work locations change shift by shift, airflow is adjusted in real time. When occupancy sensors detect that workers aren’t present, the airflow turns off.

Mayer estimates that by regulating the flow of air to provide for the exact number of people who need it and for the equipment they’re using, the mine is operating more efficiently, and the company is saving a little over \$2 million a year on energy.

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Building Capacity for Conservation

The IESO’s Save on Energy Energy Manager Program provides funding to eligible Ontario businesses for the hiring of qualified energy managers to meet aggressive energy savings targets, identify smart energy investments, secure financial incentives, and nurture competitive advantages for participating businesses. Energy managers can identify both capital improvements that are eligible for incentive payments through Save on Energy programs, and non-incented improvements for the organizations they support such as the 69 projects completed in 2016. Here is a snapshot of the savings these embedded energy managers achieved within these service areas in 2016:

#	LDC	Verified Results (End-User Level)
		Net First Year Savings
		Energy (GWh)
1	Enersource Hydro Mississauga Inc.	0.4
2	EnWin Utilities Ltd.	1.1
3	Hydro One Networks Inc.	1.2
4	Hydro Ottawa Limited	0.3
5	London Hydro Inc.	0.4
6	Niagara Peninsula Energy Inc.	0.1
7	PowerStream Inc.	1.6
8	Toronto Hydro-Electric System Limited	10.3
9	Veridian Connections Inc.	1.0
	TOTAL	16.4

Training is a critical investment for companies that are looking to reduce their energy consumption and increase their energy efficiency. In 2016, the IESO provided funding for different types of energy management training, in the following categories:

Program	# of people completing courses
Certified Energy Manager	31
Certified Measurement and Verification Professional	11
Building Operator Certification	24
Building Commissioning Professional Certification	5
Specialized training (including Compressed Air Challenge and Energy Efficiency Sales Training)	65
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SIDEBAR

Profile: Adam Murree, CEM, CEA, CMVP, Energy Manager, Atlantic Packaging

I've been an energy manager with Atlantic Packaging since 2012. Since I joined the company, we've reduced our electricity costs by ten per cent and lowered global adjustment costs by almost 50 per cent.

My employment contract requires me to reduce consumption by two per cent annually at each of our facilities, and that means I'm accountable every day for delivering results based on our company's energy strategy.

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Communicating Conservation

In 2016, public awareness of energy conservation rebounded significantly in Ontario, after several years with no increase.

Consumers are thinking differently about energy efficiency, and the redesigned Save on Energy brand is helping to boost provincial conservation efforts. With the re-launch of the Save on Energy brand in June came an increase of seven per cent in the number of people talking about using energy wisely, and a three per cent increase in the number of people who recalled hearing about using energy wisely.

Effort to drive support and awareness of electricity conservation continued at many levels in 2016 including TV and cinema ads, newspaper and digital advertising and most importantly one-on-one conversations with customers at events in 13 communities across Ontario. The marketing efforts supported the success of the coupon program by driving 60,000 visits to the website where people were able to download coupons for lights and other energy star household items. Customers responded well to the online education tool called Kilowatt Way (www.kilowattway.ca) that illustrates energy saving opportunities in the home and community.

Indicators that underscore the importance of communicating conservation consistently include:

- 88 per cent of Ontario households said that using energy wisely is worthwhile (Nielsen)
- 90 per cent of respondents said they are aware of what they need to do to use energy wisely
- 65 per cent of respondents said they talked about using energy wisely with family, friends and co-workers, compared to 58 per cent in the year prior

- 69 per cent of respondents said they heard more about using energy wisely in 2016, an increase of three per cent over 2015.

Research also shows that trust in the Save on Energy brand is high, with 83 per cent of people surveyed saying it helped them make energy-efficient choices for their homes.

Conservation Program Evaluation and Cost Effectiveness

To evaluate the value of money of conservation programs, the IESO assesses the cost effectiveness of conservation programs using two tests: the Program Administrator Cost (PAC) test and the Total Resource Cost (TRC) test. The PAC test measures the benefits (avoided energy and resource costs) as well as all costs associated with program delivery. The TRC measures the benefits and costs from a societal perspective. For a program to be considered cost-effective, the benefits of the program must outweigh the costs at a ratio of greater than 1:0.

In addition to these tests, the IESO also uses the Levelized Unit Electricity Cost (LUEC) test to compare energy conservation programs with other electricity supply resources. This metric compares all costs associated with designing, delivering and evaluating a program to the amount of energy saved (¢/kWh), on an annual basis.

The IESO assess the cost effectiveness at both the program level and at the portfolio level. The cost effectiveness of programs tend to vary significantly by sector: programs targeting hard-to-reach sectors such as low-income customers tend to be less cost effective while programs targeting business and industrial customers tend to be more cost effective. The holistic approach to measuring cost effectiveness reflects the goal of serving all customer types..

2016 Cost Effectiveness Ratio*

	Total Resource Cost (TRC)	Program Administrator	Levelized Unit Electricity

		Costs (PAC)	Costs (LUEC) ¢/kWh
Residential Sector Programs			
Coupons	17.21	4.52	1.27
Heating and Cooling Incentive	1.38	2.04	4.93
New Home Construction Program	0.27	0.61	13.97
Home Assistance Program	0.94	0.81	7.74
peaksaver PLUS*	n/a	n/a	n/a
Business Sector Programs			
Audit Funding	2.04	0.59	11.19
Retrofit Program	1.29	4.45	1.51
Small Business Lighting	1.06	1.11	6.93
High Performance New Construction	3.44	6.13	1.73
Existing Building Commissioning	n/a	n/a	n/a
Process & Systems Upgrades	0.89	1.95	3.64
Energy Managers	2.57	7.21	0.79
Industrial Accelerator	4.45	6.98	1.69
Total	2.40	3.94	1.82

* peaksaverPLUS evaluation underway; cost effectiveness results are not currently available.

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Looking Ahead

The IESO is committed to innovation as a means of ensuring Ontario's electricity system is managed cost-effectively, safely and reliably for the long-term. For this reason, the IESO will continue to seek out opportunities to provide financial support, through the Conservation Fund, for demonstration and research projects that prioritize emerging technologies such as distributed energy resource projects using various types of renewable energy technology.

Further to this, the IESO will continue to develop plans, and support project pilots through the LDC Innovation Fund, that add momentum to Ontario's considerable energy savings to date. The IESO also will improve the availability and access to conservation programs targeted to low-income households, including delivery of the Home Assistance Program starting in January 2018.

In 2017, the IESO formally commenced the Mid-term Review – an important marker in setting the next phase of conservation in the province. A final report will be submitted to the Minister of Energy in the first half of 2018 based on extensive engagement with LDCs, channel partners, customers and associations. As part of this process, the IESO will evaluate the results achieved to date through the 2015-2020 Conservation First Framework and the Industrial Accelerator Program, to see if these programs meet customer needs, to evaluate distributor budgets and their targets, and to ensure there is alignment with the province's climate change objectives. The IESO will also use the Mid-term Review to identify how conservation programs can better meet the needs of local and regional electricity planning.

In tandem with this Review, the IESO will make recommendations for improving conservation programs and their availability for First Nations and Métis people, including the ten communities served by unlicensed local distribution companies in north-western Ontario known as the Independent Power Authorities. Also, it will analyze the 90+ community energy plans funded through the IESO's Aboriginal Community Energy Plan program, and engage extensively with First Nation and Métis communities province-wide, in order to identify ways to improve access to and uptake of provincial energy conservation programs.

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Appendix

Long-Term Energy Plan Target: Conservation Savings

Savings from the Conservation First Framework contribute to the overall energy and demand savings for the province's energy target, as set out in the Long-Term Energy Plan (LTEP). The 2013 LTEP (which includes the 2016 reporting year) set a conservation target of 30 terawatt-hours in reduced electricity consumption by 2032.

Chart: Savings Net Persisting Energy Savings at the Generator Level (GWh) – update the chart on page 15 in the 2015 Conservation Report to include 2016 values

Long-Term Energy Plan Target: Updates to Codes

In addition to conservation, electricity savings are achieved through changes to codes and standards, as well as activities undertaken by other organizations in Ontario, all of which contribute to the long-term 30 terawatt-hour target.

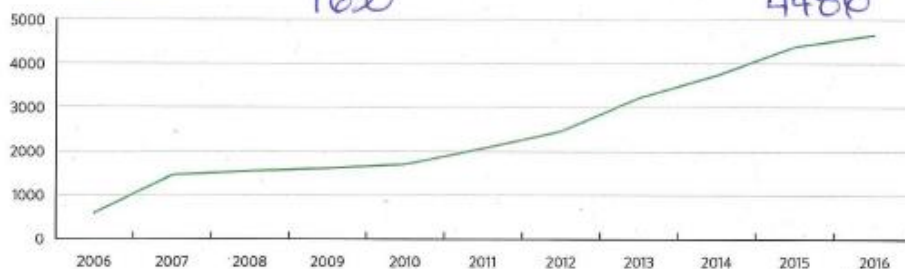
Chart: Savings Net Persisting Peak Demand Savings at the Generator Level (MW) – update the chart on page 16 of the 2015 Conservation Report to include 2016 values

conservation by other organizations in Ontario, all of which contribute to the long-term 30 terawatt-hour target.

energy performance integral to its building code.

Net Persisting Peak Demand Savings at the Generator Level (MW)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Energy Efficiency	289	780	905	1,010	1,201	1,569	1,613	1,830	2,233	2,614	2,651
Demand Response	319	710	678	641	545	546	906	1,469	1,590	1,872	2,099
Total	608	1,490	1,583	1,651	1,746	2,115	2,519	3,299	3,823	4,486	4,750



Conservation Programs

In 2016, LDCs delivered 12 province-wide residential and business conservation programs under the Save on Energy banner (saveonenergy.ca). Eleven local programs were developed and delivered by individual LDCs for their specific customer base. These programs included:

Residential Province-Wide Programs	
Save on Energy Coupon Program	Offers instant discounts on energy-efficient products to help residential customers save energy at home. Customers receive instant discounts at the point of sale for qualifying energy-efficient products at participating retailers
Save on Energy Heating & Cooling Program	Offers incentives for homeowners to improve the overall efficiency of their HVAC systems. Homeowners receive incentives for upgrading their heating and cooling systems through an HVAC contractor.
Save on Energy New Construction Program	Encourages new home builders to build energy-efficient homes that provide home buyers with the benefits of increased comfort and energy-efficient features.
Save on Energy Home Assistance Program	Helps low -income qualified homeowners, tenants and social and/or assisted housing providers improve the energy efficiency of their homes.

Business Province-Wide Programs	
Save on Energy Audit Funding Program	Offers customers incentives to complete energy audits which assess the potential for energy savings through equipment replacement and improved operational practices.
Save on Energy Retrofit Program	Offers commercial businesses with prescriptive and custom incentives to help with upfront costs of purchasing energy-efficient equipment to improve the overall efficiency of buildings Incentives cover up to 50% of eligible project costs. Save on Energy Retrofit Program: Offers commercial businesses with prescriptive and custom incentives to help with upfront costs of purchasing energy-efficient equipment to improve the overall efficiency of buildings <i>(partial)</i>
Save on Energy Small Business Lighting Program	Helps qualifying small business customers with direct installation of free lighting upgrades.
Save on Energy High Performance New Construction Program	Provides design assistance and prescriptive, engineered and custom incentives for building owners and planners who design and implement energy efficient equipment within their new space.
Save on Energy Existing Building Commissioning Program	Provides owners or lessees of chilled water systems located in commercial buildings with incentives for studies/investigations and implementation of projects identified in the report
Save on Energy Process & Systems Upgrades Program	Helps industrial and large commercial organizations with complex systems and processes to identify, implement and validate energy-efficiency projects from start to finish.
Save on Energy Manager Program	Helps companies take control of their energy usage, by hiring a dedicated energy manager that identifies various options for saving energy in their facility.
Save on Energy Monitoring & Targeting Program	Provides incentives to install systems to provide energy consumption data to analyze and set energy savings targets to companies with energy managers.

Local Programs		
Adaptive Thermostat Local Program	Toronto Hydro; Enbridge Gas	Additional \$50 rebate to increase Enbridge's existing \$50 rebate for learning adaptive thermostats for homes.

Instant Savings Local Program	Canadian Niagara Power Inc., Algoma Power Inc.	Free clothesline giveaway at customer engagement events.
Social Benchmarking Local Program	Hydro One; Alectra (formerly Horizon Utilities)	Home Energy Reports with energy consumption information and savings tips to drive energy savings in the home.
First Nations Conservation Local Program	Hydro One	Energy audit and direct install of eligible efficiency, health, and safety, measures; and further education on home energy management for First Nations customers.
PUMPSaver Local Program	Toronto Hydro; Oakville Hydro	'Turn-key' retrofit for large closed-loop hydronic heating and cooling systems in tall residential (MURBs) and commercial towers.
Business Refrigeration Incentives Local Program	Toronto Hydro; Alectra (formerly Powerstream Inc., Horizon Utilities; Hydro One Brampton)	Facility assessment, Energy Action Plan (EAP), and direct installation of refrigeration measures for the small business sector.
Swimming Pool Efficiency Local Program	Toronto Hydro; Oakville Hydro; Hydro Ottawa; Renfrew Hydro; Burlington Hydro; Milton Hydro; Halton Hills Hydro	Point of sale discount for Energy Star rated VFD pool pumps for residential customers with swimming pools.
High Efficiency Agricultural Pumping Local Program	Niagara Peninsula Energy Inc., Hydro One	Point of sale discount on VFD pumps for agricultural uses.
OPSaver Local Program	Toronto Hydro; Oakville Hydro	Tools, coaching, and performance incentives provided to building operators and employees in the institutional, commercial, and industrial sector, to establish processes and practices to save energy.
Conservation on the Coast Home Assistance Local Program	Five Nations Energy (Attawapiskat, Fort Albany, Kashechewan)	Energy audit and direct install of weatherization, lighting, and other measures for homes.
Conservation on the Coast Small Business Lighting Local Program	Five Nations Energy (Attawapiskat, Fort Albany, Kashechewan)	Lighting assessment and direct install of lighting measures for small businesses.

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