

Research case study > conservation

## Integrated delivery of electricity, gas and water conservation

Version 1 (updated May 23, 2017)

### Context: Conservation and Demand

Management (CDM) can be a powerful tool to maximize societal benefit by minimizing utility rates for consumers. Further, there could be synergies in integrating conservation efforts across electricity, gas, and water.



**Problem:** The link between conservation programs and their stated goals could be strengthened so that future programs can achieve their goals more efficiently. Also, the rate impact of different types of conservation has not been analyzed.

**Solution:** A new CDM model which creates the future, manages the present, and selectively forgets the past is recommended to put a sharper focus on CDM goals and to achieve the most benefit at the least cost.

**Impact:** This project will provide valuable evidence-based analysis of future CDM programs, identifying their strengths and weaknesses and recommending for smart ways to integrate CDM across electricity, gas, and water.

**CUE's role:** The research team has created a new tool to determine the rate impact of different types of CDM and a new Past-Present-Future model for integrated delivery of electricity, gas, and water conservation.

### Sponsors:

IESO

### Timeline:

April 2014-October 2017

### Research Team:

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### Key stats

12.7 TWh Ontario conservation (2015)