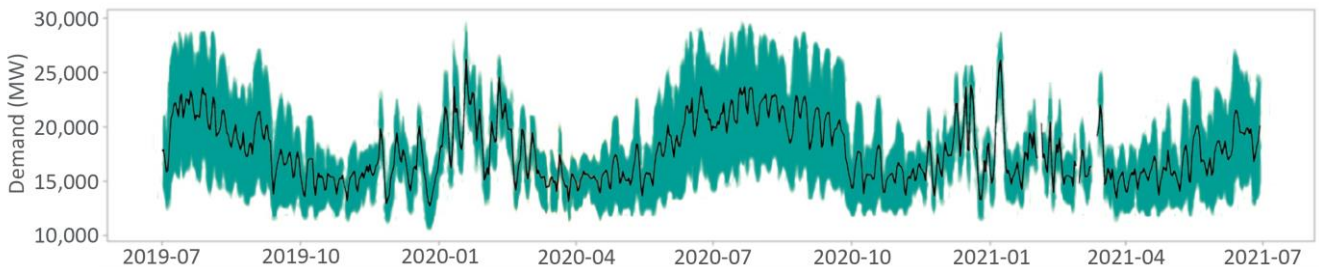


# ACCESSING AND ANALYZING ELECTRICITY INTERVAL DATA



**Your electricity data tell the story of your building's performance.  
Is your business listening?**

Did you know that as much as 30 percent of energy consumed by commercial buildings is wasted.<sup>1</sup> But there is a solution: your electricity data will help you find and eliminate this waste while improving building operations, increasing property value and improving occupant comfort. Many Ontario electricity providers will share the data and tools you need to generate powerful operational insights and cost savings opportunities.



**An electricity demand profile is a powerful tool for achieving many objectives.**



Improve  
occupant comfort



Decrease  
maintenance costs



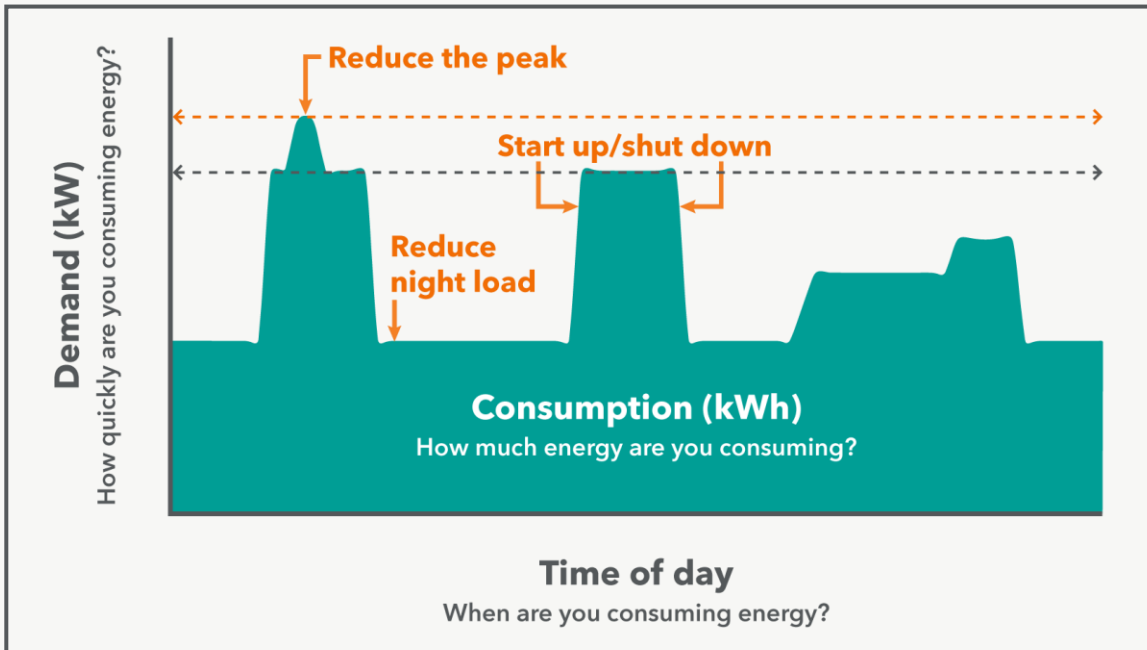
Reduce  
electricity bills



Address climate  
change goals

<sup>1</sup>ENERGY STAR® for Commercial Buildings, <https://www.energystar.gov/buildings/about-us>.

## UNLOCK THE POWER OF YOUR ELECTRICITY DEMAND PROFILE



### Three questions your electricity demand profile can answer

1. When does my building's peak demand occur and what is driving the peak?
2. Can I reduce night load?
3. Are start-up and shut-down schedules aligned with occupancy?

### Strategies to uncover energy waste

1. Obtain the demand profile for the same building on two different days. Compare weekday-weekday and weekday-weekend.
2. Compare the profiles for discrepancies, then ask what operational differences may be the cause.
3. Review the profiles with your operations staff and take advantage of their detailed knowledge of your operations.

## HOME DEPOT: SCORECARDS FOSTER COMPETITION AND SAVINGS

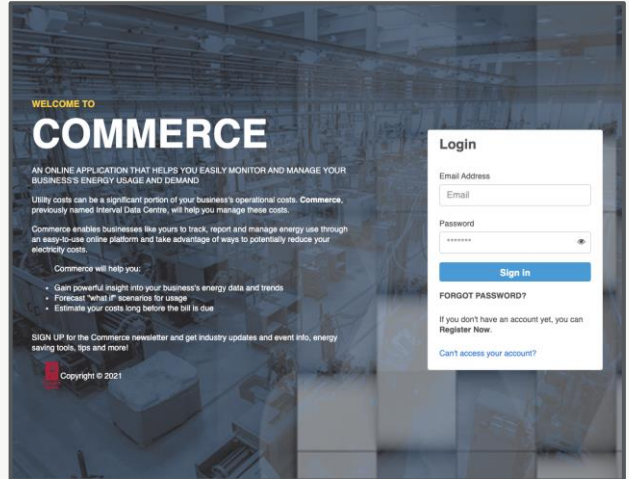
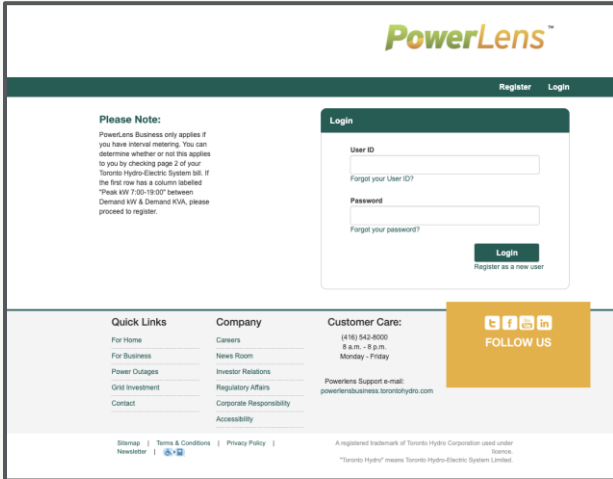


In 2017, The Home Depot launched the Power Project to assist its stores across Ontario in understanding their energy consumption and to enable them to compare their consumption across similar Home Depot locations.

This initiative provides participating stores with scorecards that compare their energy performance to similar stores, as well as assistance with creating energy conservation teams. Conservation team members use the scorecards to find and implement operational savings measures, with the goal of making Home Depot stores the most energy efficient in Canada.

## HOW TO ACCESS YOUR INTERVAL ENERGY DATA

Most Ontario businesses have access to hourly or 15-minute interval energy data from their electricity provider, often with powerful visualization and analysis tools. Log in to your business account on your electricity provider's website or contact your electricity provider for help.



## CHESSWOOD ARENA: UTILITY PARTNERSHIP IDENTIFIES BIG SAVINGS

At Toronto's Chesswood Arena, leagues and recreational teams log 12,000 hours of ice time a year across four NHL-sized rinks.

Chesswood Arena's owner Buckingham Sports Properties was looking for long-term operational savings across its five arenas in Southern Ontario. "Every dollar counts, so anything we can do to reduce our costs helps the bottom line," says Gary McCreight, operations manager at Chesswood.

McCreight and his team worked with their electricity provider, Toronto Hydro, to find energy-efficiency solutions throughout the arena. They quickly zeroed in on two areas where improvements could be made: lighting and the refrigeration systems that produce and maintain the ice surfaces.

At Chesswood, outdated and energy-intensive lights were replaced with high-efficiency LEDs to improve overall lighting conditions and reduce

electricity consumption by more than 200,000 kWh per year. That's enough energy to power more than 20 homes for a year. In addition, the new LEDs last at least twice as long as the old fluorescent lights.



## INCENTIVES, TOOLS AND RESOURCES

### PROJECT INCENTIVES

#### [Energy Performance Program](#)

Receive incentives based on the energy you save! Its whole-building approach rewards deep retrofits and energy management.

#### [Retrofit Program](#)

Receive incentives for a wide range of savings measures using a simple, streamlined application.

### STUDY INCENTIVES

**75%** of the cost of an energy assessment study can be covered by Save on Energy™.

### [TRAINING INCENTIVES](#)

**75%** of training fees for Enbridge customers:

- Dollars to \$ense Energy Management workshops
- Building Operator Certification
- Certified Energy Manager

**50%** of training fees for courses including:

- Pump System Optimization
- Fundamentals and Advanced Management of Compressed Air Systems
- HVAC Optimization for High Performance Buildings
- Advanced Building Recommissioning
- Energy-efficient Building Operations (EEBO) 101

To apply for a training incentive, email [efficiency.training@ieso.ca](mailto:efficiency.training@ieso.ca)

### TOOLS AND RESOURCES

[ENERGY STAR® Portfolio Manager](#) is a powerful, free tool for energy benchmarking.

[RETScreen Expert®](#) is an energy management platform that enables professionals and decision-makers to identify and assess the viability of energy-efficiency projects.

[The Canadian Institute for Energy Training \(CIET\)](#)

[CanmetENERGY's engineering experts](#) – Data analysis software and modelling tools

[KnowEnergy](#) – live, online, or on-demand energy management training

[Save on Energy resources](#) to drive your small business forward

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