

# IESO Web site and Open Data Initiatives

Presentation to the SAC  
March 26, 2014



- Site launched Feb 8, 2014
- New, streamlined content
- Easier to access data and charting features
- Improved navigation
- Number of pages reduced by roughly two-thirds
- Guide and webinar available to users
- Site positively received – with the IESO responding to specific concerns



**About the IESO** | **Ontario's Power System** | **Participate** | **Power Data**

**Gateway to Ontario's Electricity Sector**

Ontarians benefit from one of the most diverse and reliable electricity systems in the world. The Independent Electricity System Operator (IESO) works at the heart of Ontario's power system and market, balancing supply and demand.

**Ontario's Power System**

Everything you'd want to know about how the power system works. Learn how all the components work together and the new ideas and technologies that are changing the way the IESO operates the grid.

**Participate**

Interact with the market as a generator, transmitter, large consumer, convoyer, or electricity service provider.

**Stakeholder Engagement**

The IESO and stakeholders work together to evolve and strengthen the market, enhance reliability, and implement market efficiencies. Learn about opportunities to contribute to the discussion.

**Power Data**

**DEMAND**

**17,470 MW**  
Current Hour's Demand at 9:00 a.m. EDT

Projected Demand at 10:00 a.m. EDT: 17,382 MW  
Today's Projected Peak at 8:00 p.m. EDT: 16,148 MW  
Summer Record Peak Aug 1, 2008: 27,005 MW

**Ontario Demand (MW)**

**SUPPLY**

**26,457 MW**  
Today's Generator Availability at Peak

Hourly Output by Fuel Type

Nuclear	11,040 MW
Hydro	5,118 MW
Coal	90 MW
Gas	1,281 MW
Wind	206 MW
Other	171 MW

Hourly Imports: 678 MW  
Hourly Exports: 1,471 MW

**PRICE**

**3.49 ¢/kWh**  
Current Hourly Price

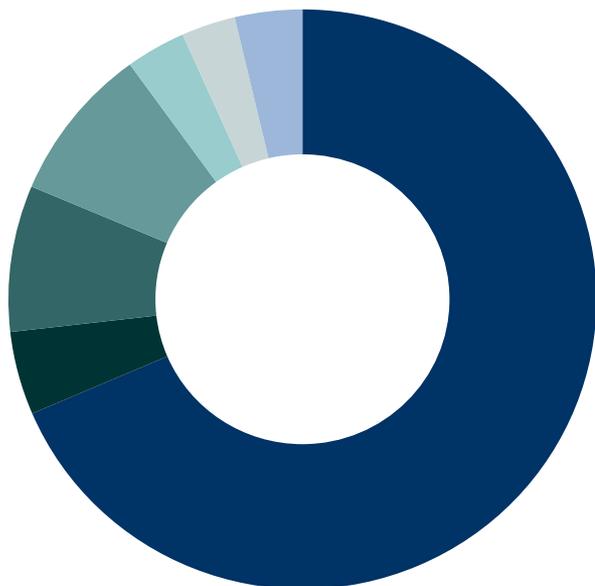
Hourly Ontario Energy Price (\$/MWh)

Average Weighted Price for September: 2.23¢/kWh  
Average Weighted Price since Jan 1, 2013: 2.70¢/kWh  
Global Adjustment for September: 0.66¢/kWh

**About the IESO**

The IESO manages the wholesale electricity market and oversees the reliable operation of the provincial electricity grid. Find out more about who we are and what we do.

## Audience Breakdown



- Residential, General Business, and Small Market Participants
- LDCs
- Generators
- Large Loads
- Traders and Retailers
- Public Sector and Consultants
- Other

## Most popular pages:

1. Home Page
2. Wind Map
3. Power Data
4. Careers
5. Price Overview
6. Data Directory
7. Electricity pricing
8. Global Adjustment
9. Market Summaries
10. About the IESO

- Reordering of GA information by customer class confused some
  - adding more GA information on Price Overview page and increasing visibility in navigation
  - including Top Ten Daily Peaks to Peaktracker box on Power Data page
- Technical Issues:
  - All short/old links now redirecting to new site
  - Progress being made on loading times with more improvements to come
  - Mobile site

- In support of the Long-Term Energy Plan, the Ministry of Energy is developing a report and centralized online presence to provide easy to access and timely energy information
- First step brings together information from the Ministry, the IESO, the OPA and the OEB. Links can be found on [Ministry](#) and OPA web sites
- Next step is to work with Ministry and other agencies to explore what new sources of data can be developed to provide greater insight into the ongoing evolution of the province's energy sector

## New IESO data sets under development:

- Historical output by generator and fuel type
- Wind dispatch
- Nuclear manoeuvres and shutdowns

## In conjunction with the OPA and OEB will be developing:

- a series of actual vs. forecast data sets
- embedded generation output
- GA breakdown by entity and customer class
- cost of generation by entity

- Market Information Working Group to be established in April to build on stakeholder feedback from the Market Information Focus Group
- New working group to provide insight into what sources of information are most valuable to stakeholders and the broader public in their decision making processes
- Provide feedback on priorities, type, presentation and timeliness of data – particularly as it relates to the web
- Help drive energy sector's move toward open data
- Focus group for new and changing IESO reports

- What does transparency actually mean?
  - How much data vs. how accessible you make the data?
- Can you have transparency without context? What role should the IESO play in providing that context?
- How are stakeholders using data beyond their specific needs for operating in the market?
- How can data be leveraged to support more engaged consumers?
- How can we ensure there are synergies in various sources of data?