

THE ELECTRICITY INSIDER

INFORMATION • TOOLS • RESOURCES

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Don't Miss the 7th Energy Matters Summit on May 2/3



Don't miss the 7th annual Energy Matters Summit, Ontario's leading public sector energy management conference which will be held in Mississauga on May 2 and 3.

Presented by the IESO and the Region of Peel, the 2011 conference will explore the link between energy management and facility operations. It will bring together leading experts, academics and municipal leaders to speak on best practices, case studies and energy management tools that will help your energy bottom line.

The conference will feature a keynote address from Ontario Energy Minister Brad Duguid. There will be a series of interactive workshops and plenary discussions on applied energy management, energy efficiency in new construction, integrating energy and facility management and the future of Ontario's energy landscape.

More detailed information and registration are available at: www.energymatterssummit.ca.

Update: Provincial Benefit Changes and Gets Renamed Global Adjustment

For all consumers that pay for electricity on market prices or who have signed a retail contract, the line item Provincial Benefit on your electricity bill will be renamed Global Adjustment starting in 2011. This change results from Ontario Government Regulation 398/10 which amends Regulation 429/04.

Global Adjustment (GA) costs continue to represent the difference between the total payments made to certain contracted or regulated generators and market revenues as well as the cost of conservation and demand management programs. It includes the cost of building new power plants, paying regulated rates to baseload generators like nuclear and hydro and greening the power system through conservation, demand response and cleaner generation.

The updated regulation also changes how customers with a peak demand over five megawatts (MW) are charged the GA. Instead of being billed for the GA based on total monthly consumption, these customers will be charged based on their coincident peak demand. All other consumers will continue to pay for the GA based on their total monthly consumption (kWh) multiplied by the monthly rate.

For more detailed information on the Global Adjustment as well as current and historic rates, please visit: www.ieso.ca/globaladjustment.

Bringing Renewable Energy into Ontario's Electricity Grid

The electricity grid in Ontario is changing, and new ways of thinking and planning are required as new types of renewable generation, variable in nature, are added to the system. The IESO has started a Renewable Integration Stakeholder consultation to review a set of proposed design principles for the integration of large amounts of renewable generation into the electricity grid.

The design principles were released on December 9, 2010 with the intention of providing stakeholders – in particular variable and baseload generators – with clear expectations for the facility and operational requirements they will be expected to meet as the IESO moves to integrate thousands of megawatts (MW) of electricity primarily from wind and solar over the next few years.

Recent estimates from the Ontario Power Authority (OPA) show some 5,800 MW of new and existing wind and solar resources will be in commercial operation by the end of 2012 with 10,700 MW projected by 2018.

Further meetings will be held to discuss the next phase of the consultation based on the feedback received by stakeholders.

To review the draft design principles, stakeholder comments and previous meeting notes, please visit: https://www.ieso.ca/imoweb/consult/consult_se91.asp



Power to Ontario. On Demand.

Long-Term Energy Plan – Highlights

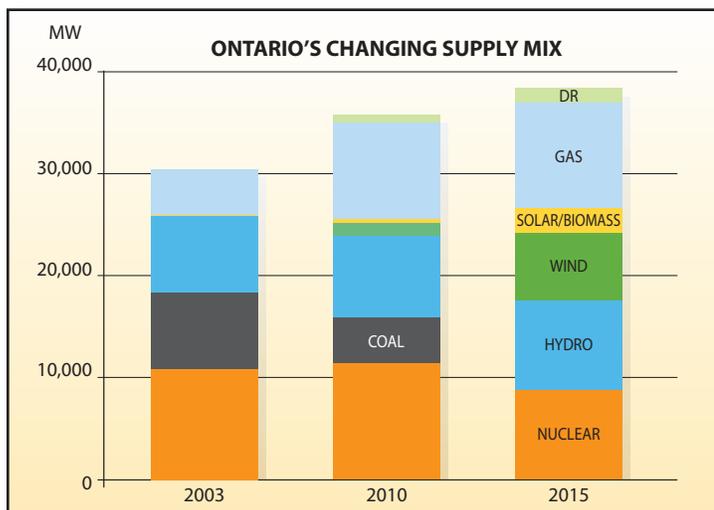
The Ontario Government recently released its long-term energy plan that looks out to 2030. The plan outlines how electricity demand will be met through a cleaner power supply, conservation initiatives and modernizing the electricity grid.

Highlights of the plan include:

- Moderate demand growth until 2030
- Acceleration of the coal phase-out by 2014 to include the elimination of two Nanticoke units in 2011
- Continued reliance on nuclear energy at current levels (approximately 50 per cent of supply) through strategic investments in refurbishments at the Darlington, Bruce and Pickering sites as well as construction of two new units at Darlington
- Expansion of hydroelectric capacity to 9,000 MW an 11 per cent increase over what Ontario has today
- Forecast of 10,700 MW of clean, renewable energy from wind, solar and bio-energy by 2018
- Establishment of a new standard offer program for small (less than 20 MW) combined heat and power (CHP) projects
- Proceeding with five priority transmission projects needed for reliability, renewable energy growth and changing demand
- Increased conservation targets to 7,100 MW in peak demand and 28 TWh of annual energy consumption by 2030
- Increase in residential prices of 3.5 per cent per year over the next 20 years and increase in industrial prices of 2.7 per cent per year over the same period
- Total capital investment of \$87 billion over 20 years

The full plan is available at:

http://www.mei.gov.on.ca/en/pdf/MEI_LTEP_en.pdf



Can You Shift and Save?

Many business and industrial customers with interval meters take advantage of lower prices by shifting part of their electricity use to overnight or weekend periods when electricity prices are generally lower. There may be opportunities to shift your consumption to take advantage of lower electricity prices and to lower your monthly peak demand – both of which can help your bottom line. Peak demand charges can be as much as 30 per cent of your total electricity bill.

Do your operations allow you flexibility to shift some of your load? If a business chose to start processes earlier in the day after seeing higher prices forecast for the evening period then they could expect to see savings of \$3,000 in electricity commodity costs on this sample day.



Remember that the cost of power differs from hour to hour based on changing system conditions. To learn more about practical examples of load shifting, see how the Region of Durham uses load shifting as part of its energy management strategy:

<http://www.ieso.ca/profile/durham>

The IESO is a not-for-profit organization that manages the reliability of Ontario's power system and operates the wholesale electricity market where the hourly price of electricity is set. Through its market education program, the IESO works to educate consumers paying the market price by creating information material on the market and providing opportunities for consumers to learn about the electricity sector and how they can better manage electricity costs.

For more information on the IESO's market education program, please contact:

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