

NOTE: This presentation has been adjusted for web presentment with more detail on slides for ease of understanding.



Taking Advantage of Time-of-Use Rates

**Niagara-on-the-Lake
Customer Update & Information Workshops
July 2011**



Time-of-Use

[Click to link to Video](#)



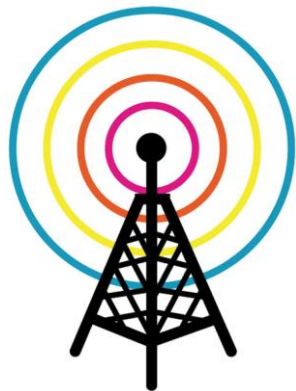
Please watch this short video explaining **WHAT** TOU rates are and **WHY** the Province is migrating to them.



Smart Meters



Ontario



Smart Meter

Tower

**Provincial Meter Data
Management/Repository
(MDM/R)**

**Billing & Web
Presentment**

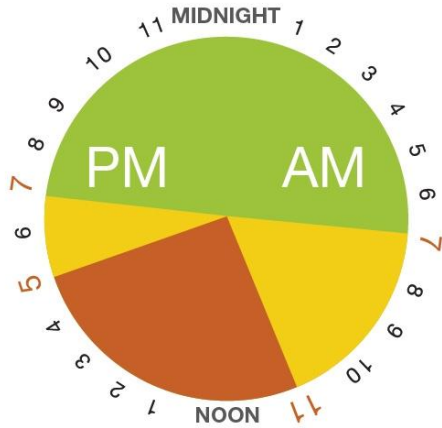
Smart Meters time-stamp your consumption data allowing Niagara-on-the-Lake Hydro to determine how much electricity was used during the Time-of-Use Periods (off-peak, mid-peak and on-peak). Information is sent from the Smart Meter to a Provincial data repository, then sent back to NOTL Hydro ready to bill. Next year NOTL Hydro will be providing customers with a web presentment of their hourly data. This capability allows customers to find electricity savings by shifting their electricity use.



Ontario Electricity TOU Price Periods

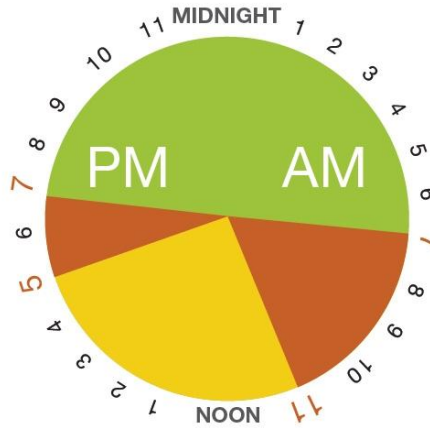
May 1 – October 31

Summer - Weekdays



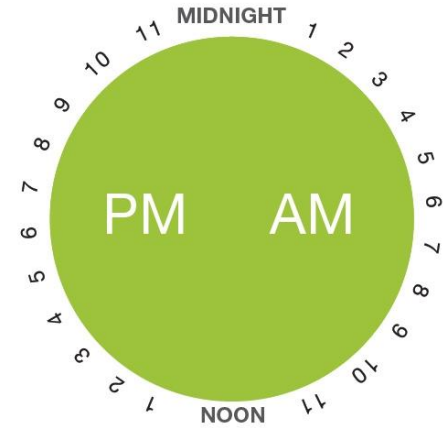
November 1 – April 30

Winter - Weekdays



All Year

Weekends & Holidays



- Prices are set by the Ontario Energy Board and are based on actual provincial market pricing and market forecasts
- Prices and periods are subject to change every six months (May 1st & November 1st). The above prices and periods are current Summer rates as of May 1st, 2011.

* Visit <http://www.ontarioenergyboard.ca/OEB/Consumers> for up-to-date pricing



Comparative Bill

COMPARATIVE TIME OF USE INVOICE

Energy Consumption Peak Type	kWh	Cost per kWh	Total \$
On-Peak Energy	93	\$0.107	\$9.95
Mid-Peak Energy	83	\$0.089	\$7.39
Off-Peak Energy	287	\$0.059	\$16.93
	463		\$34.27
Delivery Charges			\$27.94
Regulatory Charges			\$3.13
Debt Retirement			\$5.70
HST			\$9.24
Subtotal			\$80.28
Ontario Clean Energy Benefit (Credit)			\$8.03

On Time-of-Use Rates →

TOTAL: \$72.25

COMPARATIVE FIXED RATE INVOICE

Energy Consumption Peak Type	kWh	Cost per kWh	Total \$
Energy (First Tier)	463	\$0.068	31.48
Energy (Second Tier)	-	\$0.079	
	463		31.48
Delivery Charges			\$27.94
Regulatory Charges			\$3.13
Debt Retirement			\$5.70
HST			\$8.87
Subtotal			\$77.12
Ontario Clean Energy Benefit (Credit)			\$7.71

On Fixed Rates →

TOTAL: \$69.41

- This is a sample of a residential customers “Comparative Bill” (comparing current rates to Time-of-Use Rates) for the month of May.

- Based on their current electricity consumption habits their electricity bill would have a balance of \$2.84 with TOU Rates.

- There are ways to calculate and manage your Bill and we’ll show you how



OEB Calculators



[Click icon to Link to Tool](#)



[Click icon to Link to Tool](#)

- **Calculate an estimated monthly electricity bill**
- **See how your bill might look based on a contract with an electricity retailer**



Sample Bill using OEB Calculator

Select your utility from the list below:

Select your utility:

Step 1: Enter your monthly electricity usage

Your monthly usage: kWh

Select your pricing plan: * Tiered Pricing Time-of-use Pricing

Adjust your consumption: (optional)

Off-Peak: %

Mid-Peak: %

On-Peak: %

Step 2: Click to view results

Monthly Bill Statement

Niagara-on-the-Lake Hydro Inc. - Main

Account Number:
000 000 000 000 0000

Meter Number:
00000000

Your Electricity Charges

Electricity (what is this charge?)

Off-Peak @ 5.900 ¢/kWh 25.68

Mid-Peak @ 8.900 ¢/kWh 10.90

On-Peak @ 10.700 ¢/kWh 13.10

Delivery (what is this charge?) 29.94

Regulatory Charges (what is this charge?) 4.92

Debt Retirement Charge (what is this charge?) 4.55

Total Electricity Charges **\$89.09**

HST 11.58

Subtotal **\$100.67**

Ontario Clean Energy Benefit (-10%) (what is this?) (-10.07)

Total Amount **\$90.61**



Electricity Retailers

OEB Calculator:

Optional: See how your bill might look on a contract with an energy retailer...

Enter the retail contract price: ¢/kWh

Calculate



BE AN INFORMED CONSUMER

Information about electricity retailers is available at www.ontarioenergyboard.ca and www.notlhydro.com. Through the OEB Bill Calculator Tool you can type in the EXACT amount that a retailer is offering you and see a side-by-side of your bill WITH a retailer and WITHOUT.

Note: Global adjustment is a SEPARATE line item on an electricity retailer bill. Be informed and learn more with the OEB Bill Calculator. **This tool explains what EACH CHARGE on your bill is for.**



Click icon to Link to Tool



Click icon to Link to Tool

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View Account ONLINE

While *hourly electricity consumption* will be available NEXT year, TODAY you can see your *monthly electricity consumption* and billing history (as well as your water history) through your own online hydro account. Sign up online www.notlhydro.com to view your account and don't forget about our *e-Billing service*.

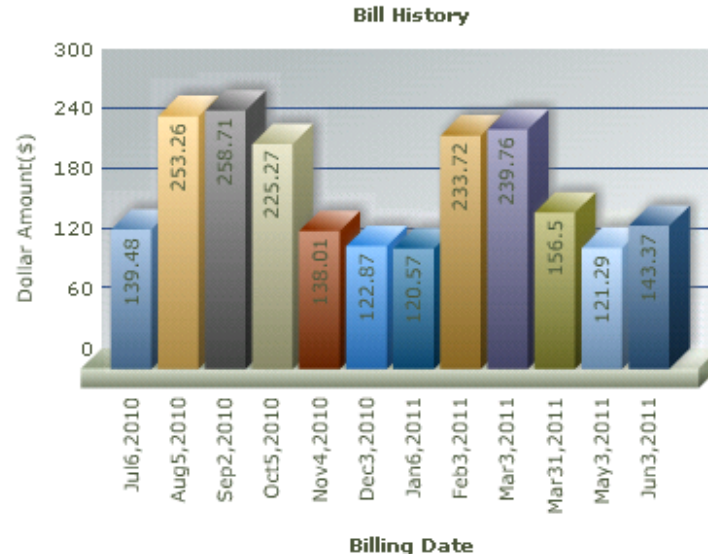
Billing History

Billing Date	Bill Amount	Brought Forward	Bill Total	Web Bill
Jun 3, 2011	\$143.37	\$0.00	\$143.37	View Web Bill
May 3, 2011	\$121.29	\$0.00	\$121.29	View Web Bill
Mar 31, 2011	\$156.50	\$0.00	\$156.50	View Web Bill
Mar 3, 2011	\$239.76	\$0.00	\$239.76	View Web Bill
Feb 3, 2011	\$233.72	\$0.00	\$233.72	View Web Bill
Jan 6, 2011	\$120.57	\$0.00	\$120.57	View Web Bill
Dec 3, 2010	\$122.87	\$0.00	\$122.87	View Web Bill
Nov 4, 2010	\$138.01	\$0.00	\$138.01	View Web Bill
Oct 5, 2010	\$225.27	\$0.00	\$225.27	View Web Bill
Sep 2, 2010	\$258.71	\$0.00	\$258.71	View Web Bill
Aug 5, 2010	\$253.26	\$0.00	\$253.26	View Web Bill
Jul 6, 2010	\$139.48	\$0.00	\$139.48	View Web Bill

Print

Download to Excel

[More Billing History](#)





10 Smart Meter Lane

Learn how shifting your electricity use can make a difference on your electricity bill.

This tool shows you what you would pay for different appliances on Time-of-Use Rates based on the times and lengths you tell it. It allows you to add chosen appliances to a list and see your daily running total on Time-of-Use. Of course it also recommends how to reduce your costs by shifting your usage times.

HOME HOW IT WORKS

7 a.m. 11 a.m. 5 p.m. 7 p.m. 12 a.m.

Off-peak Mid-peak On-peak

WEEKDAYS ✓	PRICE	CONSUMPTION	COST	DAILY TOTALS
WEEKENDS & HOLIDAYS	0.0 ¢/kWh	0.0 kWh	\$ 0.00	\$ 0.00

APPLIANCE LIST 0 ACTIVE

MORE INFORMATION ABOUT SMART METERS →

Niagara On-The-Lake HYDRO ieso Power to Ontario, On Demand. Ontario

[Click icon to Link to Tool](#)

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Small Business Tool

Learn how the type of equipment you use, your hours of operation and even your business routines will affect costs.

TIME-OF-USE RATES AT WORK
An Online Tool for Business

[HOME](#) [HOW THE TOOL WORKS](#) [FAQ](#) [FIND YOUR LOCAL UTILITY](#)



Coffee Shop

Welcome

With Time-of-Use electricity prices, *when* you use electricity is just as important as *how* much electricity you use.

This simple guide for small business will show you how Time-of-Use prices work and how to make them work for you.

The type of equipment you use, your hours of operation and even your business routines will all affect your electricity costs. Learn how.

START →

Please note that these results only reflect the commodity costs on your bill. If your results show you are spending roughly \$1000 a month on commodity costs, you may be paying the [hourly price](#) for electricity.



This tool shows Small Businesses how the cost of running equipment changes at different times of the day or week. By better understanding how TOU rates will work within your business, you can then take steps to better manage costs.

Using information you input about your business, this tool will build a consumption profile to illustrate how you use electricity. It will also give you an idea of what your costs using TOU rates might be as well as the possible savings from taking conservation measures.

[Click icon to Link to Tool](#)

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Coupon Booklet



Coupons are available for free download
at www.nothydro.com for many energy
efficient products.

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TOU Tips – Summer

Use these tips to save on energy in the summer:

- **CLOSE your blinds/shades during the day.** They block heat from entering your home.
- **Microwave to heat/reheat small meals and other dishes.** They use less energy than ovens and are quicker. This will help keep your home cool.
- **Use a ceiling fan where you sleep.** It will help circulate cool air to keep you cool in the summer.
- **Make sure you have a newer dehumidifier that is Energy Star® approved.** Newer dehumidifiers use up to 6 times less energy than older units.

More TIPS available at www.notlhydro.com

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TOU Tips – Winter

Use these tips to save on energy in the winter:

- **OPEN your blinds/shades during the day.** The sun helps heat your home.
- **Use LED xMas lights.** They use 95% less energy as traditional lights, last 7x longer and *if* 1 light goes out, the rest of the lights will stay on.
- **Use a timer with your lights.** Avoid any all-night lighting occasions.
- **Use your humidifier.** Properly humidified air feels warmer and allows you to turn your thermostat down.



More TIPS available at
www.notlhydro.com

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BUYING APPLIANCES?

Canada

ENERGUIDE

Energy consumption / Consommation énergétique

1 **200** kWh
per year / par année

2 This model / Ce modèle



**Uses least energy /
Consomme le moins
d'énergie**

**Uses most energy /
Consomme le plus
d'énergie**

Similar models
compared

Standard / Ordinaire

Modèles similaires
comparés

Model number

0000

Numéro du modèle

How to read ENERGUIDE labels

1. The annual energy consumption of the appliance in kilowatt hours. The lower the number, the better.
2. The energy consumption indicator shows you how this model compares to others in its class. The bar below the indicator gives the energy efficiency range for this class of appliance. The further the indicator is to the left end of the scale, the better.
3. This bar shows you the energy consumption of the most and least efficient appliances in this class. In this case, the most efficient comparable model consumes 125 kWh per year while the least efficient uses 680 kWh per year.

Removal of this label before first retail purchase is an offence (S.C. 1992, c. 36).
Enlever cette étiquette avant le premier achat au détail constitue une infraction (L.C. 1992, ch. 36).

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Tips at Home or Work

- **Look for Energy Waste**

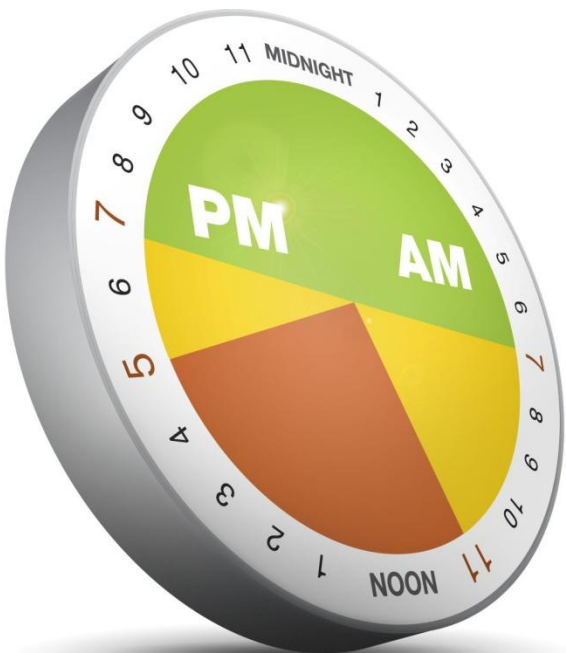
- Lighting Waste
- Open Doors
- Active unused equipment

- **Look for Upgrades**

- CFL or T8 lighting (quick payback)
- Efficient upgrades/options/add-ons

- **Look for Incentives**

- Many incentives from Hydro for retrofits, audits and other programs depending on your business.





Incentives For Homes

- **Federal Retrofit Program**

- Find out your home's efficiency
- Install upgrades and get up to \$5,000 back in rebates.

- **Fridge & Freezer Pickup**

- Have your old & inefficient fridge or freezer picked up for free
- Units are recycled
- **Call 1.877.797.9473**

- **HVAC**

- Replace your furnace and central air conditioner and get up to \$650 back.



Visit www.notlhydro.com for a link to these and many more programs.

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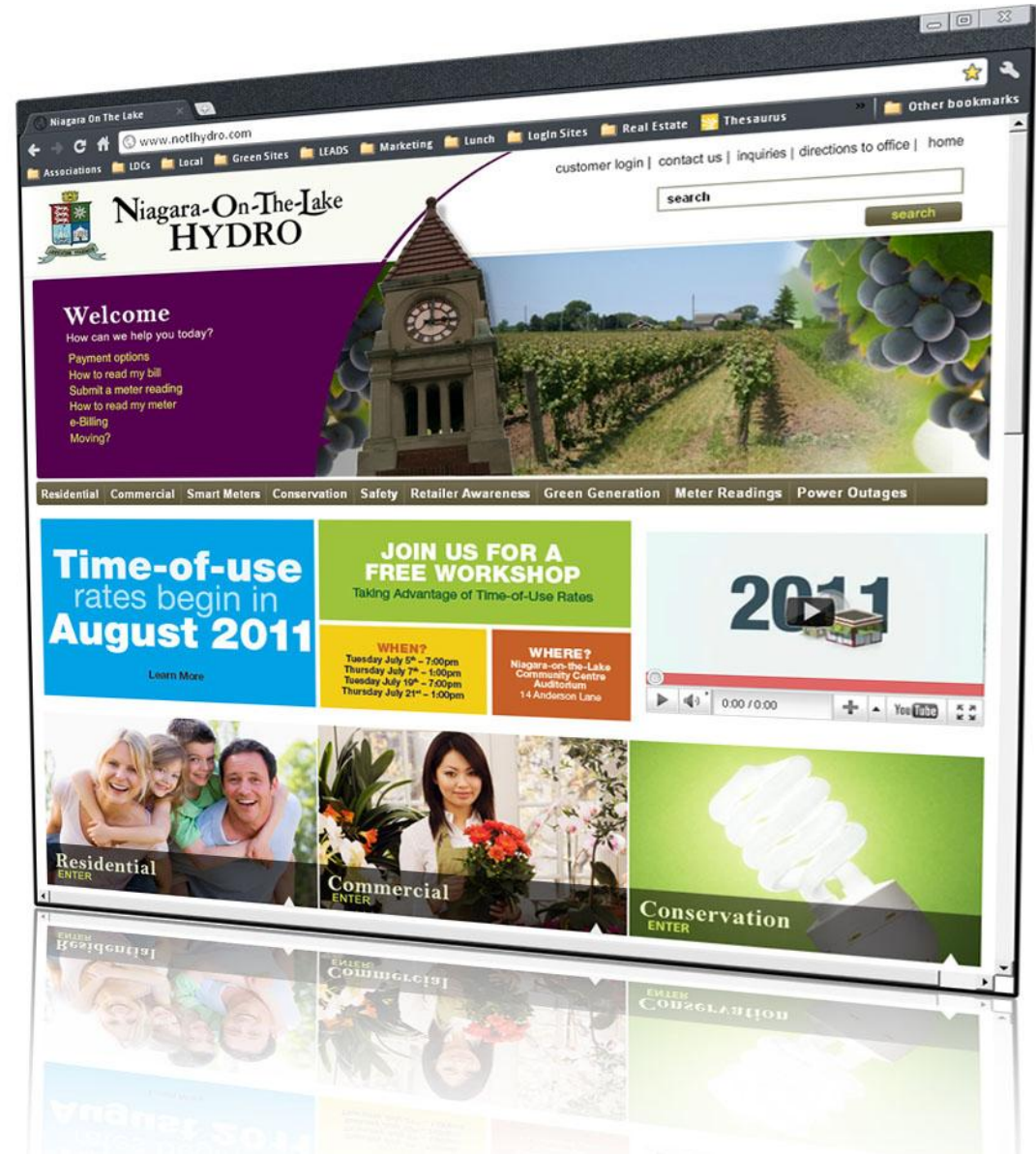
Business Incentives

- **Energy Audit Program**
 - Know what you're using
 - Pays up to 50% of your audit
- **Small Business Lighting**
 - Up to \$1,000 in free lighting upgrades
 - Commercial GS < 50 customers only
- **Retrofit Program**
 - Pays up to 50% of energy efficiency upgrades for lighting, agribusiness, motors, Unitary AC and more.



www.notlhydro.com

- **TOU Video**
- **TOU Rates Guides**
- **TOU Chart**
- **OEB Calculators**
- **Online Account**
- **10 Smart Meter Lane**
- **Small Business Tool**
- **Twitter**
- **saveONenergy.ca**





saveONenergy^{OM}

Learn to Conserve Workshops

**COMING IN
OCTOBER 2011**

Featuring:

- **Workshops for Home**
- **Workshops for Small Business**



Questions

Email questions to:

saveonenergy@notlhydro.com