



ONTARIO POWER AUTHORITY

May 18, 2010



FIT and Conservation Programs for Businesses
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Presentation overview

- The OPA – who we are and what we do
- Feed-in Tariff (FIT) Program
 - FIT Program
 - microFIT Program
- Conservation programs for businesses
- Questions



Ontario Power Authority (OPA)

- Created in legislation in 2004 and operational in 2005
- Governed by an independent Board of Directors
- Reports to Ontario Legislative Assembly through Minister of Energy and Infrastructure
- Licensed and regulated by Ontario Energy Board (OEB)
- Not-for-profit corporation without share capital

Ontario Power Authority



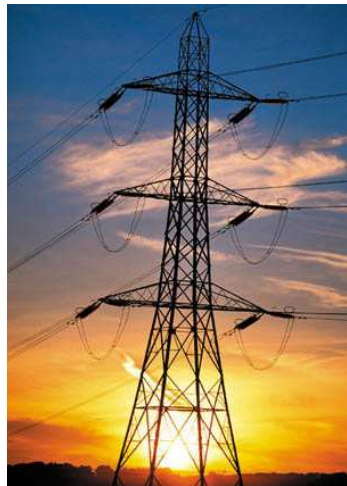
- Mandate: ensure a reliable, sustainable and cost-effective electricity supply for Ontario



- coordinating conservation
- long-term planning
- procuring new supply
- supporting the evolution of the sector

Ontario's Electricity Industry





- Need to revitalize aging infrastructure
- Coal phase-out by 2014
- Need to improve environmental performance
- Goal is cleaner electricity system
- Current need for economic stimulus and jobs



Green Energy and Green Economy Act, 2009

- GEA focuses on:
 - energy conservation
 - renewable energy (Feed-in Tariff Program)
 - More than double Ontario’s renewable energy supply to ensure adequate generation and reduce emissions
 - Help Ontario eliminate coal-fired generation by 2014
 - Simpler method to procure and develop generation
 - Create green industries through new investment and job creation
 - Provide incentives for investment in renewable energy technologies
- Creates a new electricity paradigm for renewable energy:
 - Streamlined permitting and approvals process
 - Priority connection – “Right to Connect”
 - Fixed price contracts for power production
 - Ownership opportunities for private sector, municipalities, utilities, Aboriginal and community groups

FIT Program Key Features

- Open to various renewable energy supply technologies
 - Bio-energy technologies 
 - Solar PV 
 - Waterpower 
 - Wind 
- Different prices for different technologies and project sizes
- 20-year contracts (40 years for waterpower projects)
- Prices that aim to cover total project costs and provide a reasonable rate of return over the contract term

FIT and microFIT Program

The FIT Program is divided into two streams – FIT and microFIT

FIT Program
Projects over 10 kilowatts
Information for renewable energy developers



[Click here to learn more](#)

microFIT Program
Projects 10 kilowatts or less
Information for homeowners, small businesses and others



[Click here to learn more](#)

microFIT Program (projects < 10 kW) highly simplified with different contract execution process

FIT/microFIT Update

- Began accepting applications on October 1, 2009
 - Launch period to November 30, 2009 received applications totalling over 9000 MW's
 - Applications continue to be submitted
- As of May 10, 2010:
 - More than 11,500 microFIT applications received
 - More than 3,200 conditional contract offers made
 - More than 300 contracts offered (projects operating)
 - More than 1,600 FIT applications received
 - 510 contracts offered for Capacity Allocation Exempt projects (< 500 kW)
 - 184 contracts offered for larger projects (> 500 kW)

Brantford Area FIT Activity

- microFIT:
 - 36 projects
 - Total of 311 kW of capacity
 - All solar PV projects
- FIT:
 - 18 CAE contracts
 - Total of 4,120 kW of capacity
 - All solar PV projects



Incentives for Participation

- Aboriginal Energy Partnership Program
 - Support for the development of community energy plans, soft costs of development of renewable energy projects, establish an Aboriginal Renewable Energy Network to share knowledge and best practices
- Community Energy Partnership Program
 - Reimbursement for soft costs associated with development of renewable energy projects up to 10 MW
- Municipal Renewable Energy Partnership Program
 - Reimbursement for direct costs incurred to hosting renewable energy project

Conservation Programs

6,300 MW peak-demand reduction target – equivalent to removing one in five households from the grid

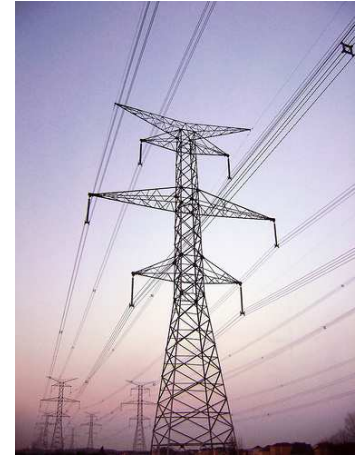
- Residential
 - The Great Refrigerator Roundup
 - Cool Savings Rebate
 - *peaksaver*[®]
- Commercial / Institutional / Industrial
 - Demand response
 - High Performance New Construction
 - Electricity Retrofit Incentive Program (ERIP)
- Industrial
 - Program for transmission-connected customers



www.everykilowattcounts.ca

Program for Transmission-Connected Industrials

- New energy efficiency program to be launched soon
- More than \$1 billion of investment in Ontario industries over 7 years
- Focus on major process energy improvements
- Complements existing DR and ERIP component replacement programs
- 58 large direct industrial users in Ontario
- Also in discussions with various parties about a similar program for distribution-connected customers



Other Conservation Initiatives



- Power Pledge Campaign
 - www.powerpledge.ca
 - April 7 to August 31, 2010
 - On-line pledge including six simple, meaningful and measurable conservation actions, chosen to support province-wide conservation programs
 - Focus on phantom power
 - Target audiences:
 - Women 35 to 54
 - Youth 14 to 17 – Unplug Your Stuff
 - Broader community
 - Partners include WWF Canada, Loyalty One/Air Miles, LDCs, municipalities and chambers

Questions?

www.powerauthority.on.ca