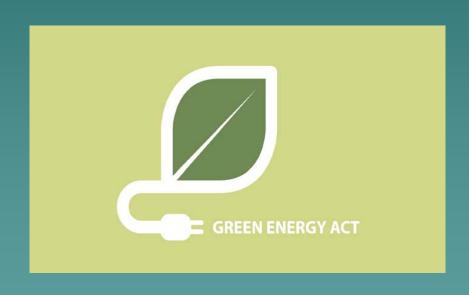
The Green Energy & Green Economy Act, 2009



Presentation to General Committee

June 22, 2009

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Background

- May 14-09 Bill 150, the Green Energy & Green Economy Act (GEA) received Royal Assent
- Intent to attract new investment, create green jobs and better protect the environment
- Amendments to 20 Acts including Building Code, Electricity, Planning, Energy Conservation Leadership, Greenbelt, Places to Grow, etc.
- Implementation details to be rolled out through regulation in the coming months
- Two key thrusts renewable energy and conservation

Renewable Energy Generation

- GEA focused on fostering growth of renewable energy projects and removing barriers to implementation:
 - Creation of the Renewable Energy Facilitation Office
 - Access of Renewable Energy to the Grid
 - Feed-in Tariff Implementation



Feed-in Tariff Rates

OPA Revised Price Schedule

Renewable Fuels	Capacity Range	Original Proposed Price (¢/kWh)	Revised Proposed Price (¢/kWh)
Rooftop or Ground Mountain Solar PV	≤ 10 kW	80.2	80.2
Rooftop Solar PV	> 10 kW ≤250 kW	71.3	71.8
Rooftop Solar PV	> 250 kW ≤ 500 kW	63.5	63.5
Rooftop Solar PV	> 500 kW	53.9	53.9
Ground Mounted Solar PV	> 10 kW ≤ 10 MW	44.3	44.3
On-shore Wind	Any size	13.5	13.5
Off-shore Wind	Any size	19.0	19.0
Waterpower	≤ 10 MW	12.9	13.1
Waterpower	> 10 MW ≤ 50 MW		12.2
Biomass	≤ 10 MW	12.2	13.8
Biomass	> 10 MW		13.0
Biogas	≤ 500 kW	14.7	16.0
Biogas	> 500 kW ≤ 10 MW		14.7
Biogas	> 10 MW	10.1	10.4
Landfill Gas	≤ 10 MW	11.1	11.1
	>10 MW	10.3	10.3

Conservation & Demand Management

- CDM theme runs throughout amendments to various Acts
 - Energy Audits
 - Building Code amendments
 - Efficiency Standards for appliances
 - Public agencies requirement to prepare energy plans and report on annual consumption, proposed conservation measures, progress & achievements
 - LDCs and other licensees subject to CDM targets as set out in directives from the Minister
- Cheapest kilowatt is a SAVED kilowatt
- Reporting of all CDM results will now be the responsibility of the Office of the Environmental Commissioner of Ontario

Benefits of the GEA

- Supports implementation and expansion of clean and renewable energy sources
- Reduces air pollution and GHGs a key step in combating climate change
- Supports local community power generation which can stimulate local economies and create jobs
- Being situated near where power is produced may increase awareness, thereby furthering the conservation agenda



Impacts to Municipalities

- Streamlined provincial approvals process
 - Eliminates requirements to comply with municipal official plans or zoning by-laws
 - Eliminates need for site plan approvals
 - Tree and ravine by-laws and property standards by-laws remain
 - Does not preclude application of the Building Code Act or need for a building permit
- Will allow for environmental standards and setbacks to be identified in regulation
- Will incorporate stakeholder consultation including a uniform process for proponent consultation with municipalities on site requirements and local infrastructure



Proposed Regulations

<u>Appendix B</u> – Removing Local Barriers to Renewable Energy Installations

- Designates the use of renewable energy installations including:
 - Roof or wall mounted solar PV
 - Roof or wall mounted solar thermal water/air
 - Ground source heat pump
- Also identifies local legal barriers that exist which would be permitted to continue to operate in recognition that some cultural, health, safety and environmental by-laws should be protected



Proposed Regulations

<u>Appendix C</u> – Proposed Content for Renewable Energy Approval Regulation under the Environmental Protection Act

- Outlines proposed requirements proponents must meet to obtain a Renewable Energy Approval
- Provides further detail on the proposed general requirements for all proposed renewable energy generation facilities



Project Description

Technology-Specific Requirements

Construction Plan

Site Plan

Renewable Energy Approval Requirements Provincial Policy Plans

Water Bodies

Stormwater Management Plan

> Response Plan

Consultation Summary

Natural Heritage

Cultural Heritage

Municipal Consultation

- Proponents required to consult on following matters:
 - Project area and boundaries
 - Road access location
 - Location/type of municipal service connections required
 - Traffic management plans
 - Construction plans
 - Emergency management procedures/safety protocols
 - Proposed site landscaping, if applicable



Conclusion

- An opportunity for all communities across the Province to pursue renewable energy projects and further the priority of creating a culture of conservation
- Consequential modifications to various Provincial Acts and Statutes are positive in nature as they support the development of renewable energy projects through new financial incentives and a streamlined regulatory framework
- Developing renewable resources is a cornerstone of our future prosperity and key pillar in supporting a green economy

