

City of Belleville

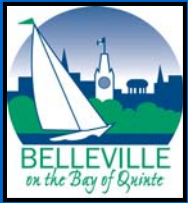


Solar Program



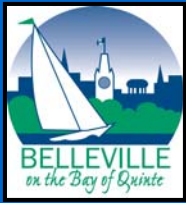
City of Belleville Solar Program

- How we got started
- What we have done
- Where we are today



City of Belleville Solar Program

- Mayor Neil Ellis and Council are interested and involved in our environment and are committed to our Solar Program.



City of Belleville Solar Program

- Our first solar project was in the fall of 2008
- Mayor Ellis had heard of the Municipal Eco Challenge Fund and asked we apply.
- We applied for 2 projects. A solar thermal preheat system for our Police facility HVAC's and a 5kW solar photo-voltaic system.
- We were successful for both projects.



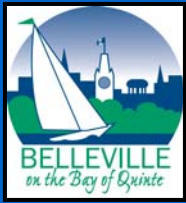
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- Solar Thermal HVAC Pre-Heat System



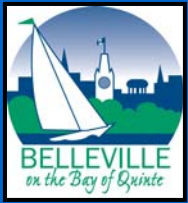
- Solar Photo-Voltaic Panels





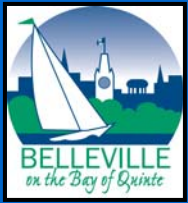
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- The Municipal Eco Challenge Fund (MECF) was a \$20-million grant program designed to help municipalities undertake infrastructure projects that will conserve energy and reduce greenhouse gas (GHG) emissions. The grant program was announced on June 13, 2007 in conjunction with a \$200 million loan program through Infrastructure Ontario's OSIFA (Ontario Strategic Infrastructure Financing Authority) program.



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- The MECF was a component of the Government of Ontario's Go Green climate change plan, which calls for GHG reductions of 6 per cent below 1990 levels by 2014; 15 per cent below 1990 by 2020; 80 per cent below 1990 by 2050.



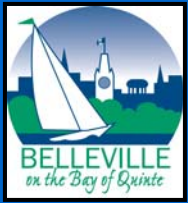
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- Renewable Energy Standard Offer Program
- The Standard Offer Program helps Ontario meet its renewable energy supply targets by providing small electricity generators, a standard pricing regime and a streamlined process.



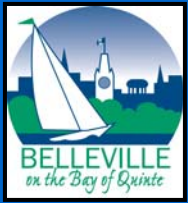
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- • Solar PV generators will be paid a fixed price of 42.0 cents per kWh for the full 20-year term of the contract.



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- We applied for and were approved for approximately \$20,000
- We went to tender and signed a contract to install a 5kW system for \$44,000



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- During the install process the microFIT program was developed, we applied and were accepted at the increased rate of 80.2 cents/kWh
- With the MECF grant and increased income, we expect a payback of less than 4 years.



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- Our income for 2010 was just over \$6,000
- Our income so far this year is almost \$3400





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- We have just commissioned a 10kW microFIT on our Transit building.
- We expect a payback of about 9 years.





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- We are in the process of installing a 499 kW FIT system on the roof of our Quinte Sports Centre.
- With an annual income expected to be approx. \$350,000 we forecast a payback of 8 years.





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- Council has decided to carry an amount in our Capital budget to continue installing microFIT systems on city buildings where possible and affordable.



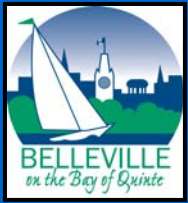
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- We have just been approved by the Ontario Power Authority to install a microFIT system on our Meyers Pier in Belleville's waterfront.



City of Belleville Solar Program

- With forward thinking and interest in our environment Belleville's Mayor and Council support many green initiatives such as our solar program.



City of Belleville Solar Program

- Questions ?

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