

# AWARD

Solar PV Project of the Year | Oxford Properties Group

## NOMINEE

Oxford Properties Group

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## NOMINATED BY:

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### Summary:

**Set out a brief synopsis of the initiative (i.e. project, technology, service). This summary may be used during the event promotion.**

The Yorkdale Mall project is certainly one worth the recognition of CanSIA. This project brings together so many aspects of what makes renewables so exciting. This project not only represents one of the first large commercial rooftop solar net-metered installations in Toronto, but it is one that is high-profile and marks the beginning of a renewable relationship with the large property player, Oxford Properties. As a result of its sustainably-focused goals, Oxford Properties installed a green roofing system on its world-renowned Yorkdale Mall, with solar PV now running throughout. By adding solar as a finishing touch, this roof now supports different technologies which support environmental initiatives with improved consumption and generation practices for the building and its thousands of daily patrons.

### Description:

**Please provide as much detail as you can to describe the initiative. Simply provide a description of the project, technology, service, etc. being considered. Do not address here how it was done or what it achieved.**

This project involved 198.99kW DC / 168kW AC of solar on a partially vegetated rooftop. Nearly 600 Hanwha Solar Q.Plus 335W solar PV modules, KB Ekonorack ballasted racking at 15 degree tilt, and 7 Fronius Symo 24kW string inverters bring it all together. The panels face south for optimal production, and an offset off of the roof edge assists with the safe and effective means of maintenance for years to come.

**1. Innovative Approach:**

**25/100 points**

**Please describe which kind of innovation and creative approach that was used to achieve outstanding results. In what way has the initiative pushed the envelope of current norms, traditional results and standard approaches?**

With a green roof already in place at the Yorkdale Mall, it provided a natural avenue for the integration of solar PV to reach Oxford Property sustainability goals. As the ambient temperature of green roofs is much lower than traditional roof systems, the likely result is improved performance of the PV modules. This system represents the innovation capable with pairing solar PV with other conservation initiatives.

**2. Economic Benefit:**

**25/100 points**

**Highlight the benefits, with a sense of financial benefit, cost savings, emission reductions or other directly attributable benefits of the initiative. Did this initiative deliver or exceed anticipated value, results and returns? If you include confidential and commercially sensitive information, it will be treated as such. Please ensure you note the following - do not publicize.**

This result of this project has a direct impact on Oxford Properties, Yorkdale Mall, and its patrons. With over 230MWh of clean electricity generated every year, this project is equivalent to taking nearly 40 cars off the road every year. As this project was connected in June of 2017, Oxford Properties will no doubt be looking forward to the returns it is likely to see on its Toronto Hydro bill as this system continues to generate clean power for Yorkdale.

**3. Engagement:**

**25/100 points**

**In what way(s) did the nominee undergo meaningful stakeholder/customer engagement and how has it been incorporated into the design and execution of the initiative? Highlight the manner in which the initiative was communicated to promote the importance and benefits of solar energy while achieving business and stakeholder/client objectives. Demonstrate how the proponent listened to its audience and acted on the advice.**

Special attention was paid to the impact on the patrons and valued tenants of Yorkdale Mall. Not only do thousands of residents and tourists visit the notable mall on a daily basis, but major consumer brands are represented in this building. Understanding the specific needs and exposure of this project to Oxford Properties' stakeholders was paramount in the success of this initiative. With diligent logistical planning between Oxford Properties, its consultant Great Circle Solar, its EPC RESCO Energy and Yorkdale representatives, the project was completed on time, on budget, and with no business interruption. To further engage patrons and tenants on a daily basis, a real-time view of the PV generation figures can be seen through Yorkdale monitoring displays.

**4. Corporate and Sustainable Responsibility:**

**25/100 points**

**Describe the environmentally conscientious approach during the design and execution of the initiative. Give concrete examples of how your initiative has benefited the environment (ex: saved X amount of CO2 emissions, reduced X amount of GHG, etc.) Explain the ways and manners by which this initiative was undertaken with the intent of demonstrating true corporate responsibility.**

Oxford Properties holds itself to a high accord when discussing impacts and targets of corporate sustainability. In addition to many efforts made by Oxford Properties, including waste diversion and water consumption targets, it set a goal to expand upon new technologies via a solar rooftop installation on one of its properties. While continuing to improve upon its standard for sustainability, this project achievement is directly equivalent to taking nearly 40 cars off the road every year.

## PHOTOS



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