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July 15, 2015

A Note from Wes Johnston, CanSIA Vice-President



Good morning!

Another month has passed and another new record has been set for solar pricing - [now less than 4¢ USD per kWh](#) - in Austin, Texas. In response, a collective realization is slowly crossing the minds of political decision-makers: *"now is not the time to enable 30+ year investments in centralized infrastructure when we know that solar-plus-storage technology will be a cost-effective and flexible alternative in a few short years"*.

CanSIA's goal is to ensure that solar is economic for Canadian electricity consumers without subsidies by 2020. Whether in the national media for the Canadian voting public (see "[Ontario homeowners to reap solar benefits in 5 years](#)" in the Globe and Mail), at forums of the province's electricity distributors (see "[Ontario's Utilities Shift Their Focus Behind-the-Meter for a Day](#)") or to political decision-makers from home and abroad (see "[Ontario is Abuzz with Environment and Energy leaders from Across North America](#)") solar's imminent cost competitiveness is a message that CanSIA is spreading.

An important step toward that goal that I'm pleased to announce is that CanSIA's Ontario Distributed Generation Task Force (DGTF) has been officially launched and convened for the first time in June. The DGTF is an industry led initiative with a mandate to create a Post-FIT solution in Ontario by developing a customer based generation model that allows solar electricity greater, faster, and more efficient access to the grid. The DGTF is also engaging strategic stakeholders, such as utilities, regulators, government (and its various agencies) to participate in this effort.

Now more than ever, political decision-makers across Canada are listening and the certainty of solar's important role in Canada's future is increasing day-by-day. CanSIA is working to help them make the right decisions as [solar power surges to the forefront of Canadian energy](#).

Please read on for some other policy, regulatory and market updates from my colleagues on the CanSIA Executive Team:

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- [New FIT 4 Procurement Schedule with Price Certainty](#)
- [Ontario is Abuzz with Environment and Energy Leaders from Across North America](#)
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Kindest regards,

Wes Johnston
CanSIA,

Vice-President

Canada's Solar Trade Case Concludes, Duties to be Enforced

On July 3, 2015 the Canadian International Trade Tribunal (CITT) made its final ruling in relation to case NQ-2014-003 on the question of injury or threat of injury to the domestic industry from dumping and subsidizing of certain photovoltaic modules and laminates from China.

MARGINS OF DUMPING AND AMOUNTS OF SUBSIDY BY EXPORTER

Exporter	Margin of Dumping*	Amount of Subsidy per Watt (RMB)
Canadian Solar Manufacturing (Changshu) Inc. & Canadian Solar International Limited	83.2%	0.014
Changzhou Trina Solar Energy Co., Ltd.	120.5%	0.018
Hefei JA Solar Technology Co., Ltd.	48.4%	0.011
Jinko Solar Co., Ltd.	112.6%	0.028
Zhejiang Jinko Solar Trading Co., Ltd.	115.9%	0.046
Renesola Jiangsu Ltd.	9.3%	0.003
Wuxi Taichen Machinery & Equipment Co., Ltd.	25.9%	0.074
Wuxi Suntech Power Co., Ltd.	154.4%**	0.032
All Other Exporters	154.4%	0.340

* As a percentage of export price.
** Denotes rate for all other exporters.

The CITT has ruled that dumping and subsidization is threatening to injure the domestic Canadian industry and final duties, listed below by exporter as a percentage of export price, will be in effect for the next five years.

Further information may be found on [the CITT website](#), CanSIA's [news release can be](#)

[found here](#) and the Globe and Mail reported that [Ruling says Chinese solar panels pose risk to Canadian industry](#). CanSIA will continue to monitor this issue and communicate updates to our Membership.

New FIT 4 Procurement Schedule with Price Certainty

The IESO has announced that they will conduct a Price Review in advance of running the FIT 4 Application Period and that the Application Period will be delayed until September. CanSIA argued strongly for the need to establish price certainty in advance of the Application Period and this recommendation has been adopted. The IESO has also published final FIT 4 Rules, Contract, Standard Definitions and Prescribed Forms.



The Application Period is now scheduled to begin on September 30, 2015 and run until October 23, 2015.

The Price Review will begin once the IESO has posted a questionnaire on the FIT Website. The date of this posting is not yet known, however, stakeholder feedback is expected to be due by mid-August, 2015. As previously indicated to members, CanSIA has already begun work to prepare for this Price Review and we plan to communicate with Members soon regarding a coordinated approach for our submission to the IESO.

[The IESO announcement, final documents and updated procurement schedule can be viewed online.](#)

Ontario is Abuzz with Environment and Energy Leaders from Across North America



Last week, Ontario welcomed more than 300 delegates from 20 states and regions who will work towards commitments to reduce greenhouse gas emissions and discuss opportunities to invest in a global low carbon economy at the Climate Summit of the Americas in Toronto.

The Summit was convened to provide an opportunity to build new partnerships among jurisdictions, with an emphasis on the role of subnational jurisdictions in the fight against

climate change; to build on the great momentum across the Americas to establish and expand existing carbon pricing networks; and to develop and deliver a common statement on commitments by subnational jurisdictions to reduce GHG emissions.

Notable keynote speakers at the summit include: Al Gore, former U.S. vice-president and Nobel laureate ([watch an interview with Mr. Gore on CBC](#)); Jerry Brown, Governor of California; Felipe Calderón, chair of the Global Commission on the Economy and Climate; Philippe Couillard, Premier of Quebec and Kathleen Wynne, Premier of Ontario.

Several speakers addressed the centrality of solar energy to future global energy needs including Mr. Gore ([scroll halfway down this page to view a video of Mr. Gore's full remarks at the Summit](#)) and CanSIA's President & CEO John Gorman ([listen to an audio recording of John's remarks](#)).

The end result of last week's Climate Summit of the Americas was a Climate Action Statement signed by 23 governments, including Ontario, Quebec and California, aims to meet a target 2-degrees Celsius warming limit in global mean temperature by "the second half of the century." ([A backgrounder on the Climate Action Statement may be viewed online](#) and a [Government of Ontario press release featuring a CanSIA announcement is also available online](#)).

Six Energy Storage Projects Receive Funding in Alberta

Alberta Innovates - Energy and Environment Solutions (AI-EES) will fund six storage projects \$1.5 million that aim to help the Canadian province meet greenhouse gas emissions reduction targets and accelerate deployment of renewable energy. The AI-EES says it received over 50 proposals and its advisors chose the technologies with the greatest potential for implementation to Alberta's power grid. Applications were accepted from around the globe but to be considered, projects had to demonstrate that the technology was applicable and well-suited for grid-scale energy storage on Alberta's electric system. Proposed projects could be at any stage of development from initial proof of concept to deployment in Alberta. "Clean power generation is a critical challenge for Alberta. Our goal is to have 20 per cent electricity generation from renewable energy in 2030," said Dr. Mark Summers, director of renewable energy for AI-EES. "These energy storage projects will be instrumental in harnessing Alberta's renewable resources and integrating them onto the electricity grid affordably and efficiently." ([Read more on the AI-EES website](#)).

CanSIA's Ontario Distributed Generation Task Force Kicks Off

June saw the official launch and inaugural meeting of CanSIA's Distributed Generation Task Force (DGTF). The DGTF, made up of industry leaders, LDCs,

PROJECT OBJECTIVE

Develop a strategy for maintaining and building on the momentum of Ontario's solar electricity sector beyond the Feed-in Tariff Program to ensure greater, faster, and more efficient access of solar electricity to the Ontario grid.

government, and the electricity agencies, is one of CanSIA's [Strategic Projects](#) for 2015. It is focused on assessing and removing barriers to facilitate the adoption of a consumer based net-metering model for solar in Ontario. The work of DGTF is pivotal to ensure that the successes of the FIT and microFIT Programs can continued to be built on following their conclusion.

The first step of the DGTF will be to conduct a jurisdictional scan of utility programs for distributed generation across North America to derive best practices for consideration in Ontario. The DGTF is scheduled to operate until February 2016 at which point final recommendations will be made and actioned.

CanSIA has also been invited to participate in the Ontario Ministry of Energy's Net Metering/Self Consumption Advisory Working Group (AWG) which will be developing a policy proposal to transition the microFIT Program into a net-metering program. Through our participation in the AWG and the DGTF we will work create a harmonized approach between industry and government as we transition into a net-metering based future. The AWG's membership will include the IESO, OEB, LDC's and CanSIA and will meet for the first time in July.

[A detailed description of the DGTF and how you can participate can be viewed online.](#)

Become an Influencer on One of CanSIA's New 2015-16 Strategic Projects

CanSIA knows that many of its members want to play an active role in shaping the business environment for solar in Canada. To that end, CanSIA has launched four [Strategic Projects](#) alongside our 2015/2016 Membership, which began July 1st. Members at C1, C2 and S1 levels are eligible to participate in one or more of these projects by offering financial support and sitting on one or more advisory committees. The funds raised for these projects will ensure they are well resourced and that important progress can be made through a set of deliverables identified for each project.

The four Strategic Projects to be delivered this year (July 1, 2015 - June 30, 2015) are:

1. [Ontario Solar Electricity Distributed Generation Task Force](#)
2. [Ontario Solar Climate Change Initiative](#)
3. [Campaign to Open Canadian Markets](#)
4. [Federal Solar Campaign](#)

Elevate the position of solar energy at the federal level to secure federal support for the deployment of solar energy technology.

Members that contribute to and participate in these projects will access benefits beyond what is offered through corporate membership. To learn more about membership or project participation, please contact:

Lisa Hatina

Business Development and Member Relations Manager

lhatina@cansia.ca

1-866-522-6742 Ext.230



Solar in Yukon: Policy, Training and Incentives

Despite being north of the 60th parallel, the Yukon Territory receives close to the same amount of sunshine annually as many regions of Canada. The capital city of Whitehorse receives about 10% less sunshine than Victoria, BC. The Government of Yukon has developed some initiatives to help northerners take advantage of solar energy. There is the [micro-generation program](#) which allows Yukon residents to offset their electrical consumption by connecting renewable energy technologies to their homes or businesses while remaining connected to Yukon's electrical distribution system. Any excess and unused energy produced by their renewable energy systems can be exported to the grid for compensation that includes a production incentive from the Yukon government (\$0.21/kWh). Complimenting this is the [renewable energy incentive program](#) which provides a rebate for the installation of a small-scale, renewable energy generating system.

City of Toronto Passes Blanket FIT 4

Rooftop Support Resolution

The City of Toronto has [passed a blanket FIT 4 support resolution for rooftop solar projects](#) which can be used by projects that are being proposed within the City of Toronto in order to receive 2 priority points. CanSIA is maintaining a list of blanket support resolutions - please share other blanket support resolutions passed by other municipalities with CanSIA.



Large Renewable Procurement Updates: Voluntary Termination

On June 12, 2015 the IESO posted the first addendum for the LRP I RFP and LRP I Contract, including a Voluntary Termination Rider. CanSIA held a session with members of the LRP Working Group to discuss the changes to both documents to ensure that Qualified Applicants were fully aware of the impact of the addendum.

The Voluntary Termination Rider included changes to the Voluntary Termination provision and was posted for stakeholder comment until June 30, 2015. Now that the deadline for feedback has closed CanSIA will monitor the LRP Website and notify members when the final addendum for

Voluntary Termination has been issued.

Ontario's Utilities Shift Their Focus to Behind the Meter for a Day

[CanSIA delivered the opening presentation](#) at the Electricity Distributors Association (EDA)'s Operations Forum entitled "Behind-the-Meter" to 50 engineers and regulatory managers from Ontario's LDCs alongside the Ontario Energy Board, a [case study of Hawaii Electric](#) and [Solar -plus-Storage Pilots from Powerstream](#) and [DSM opportunities from Rodan Energy](#).

CanSIA President & CEO John Gorman described how a fundamental paradigm shift led by solar technology is coming to the electricity sector and Jim MacDougall, President of Compass Renewable Energy Consulting representing CanSIA's Ontario DG PV Task Force, discussed the role of LDCs in the transition to our future distributed electricity grid.

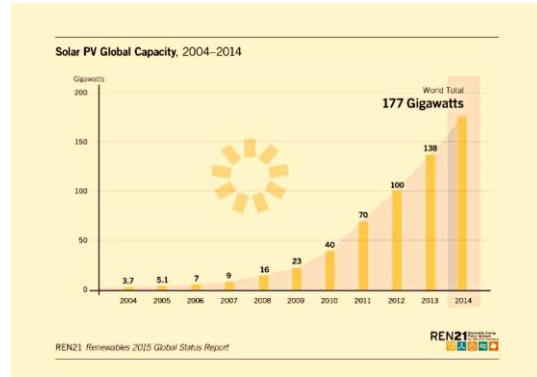


Revenue-Decoupling Next Steps in Ontario: Commercial & Industrial Customers

Following the recent decision by the Ontario Energy Board to introduce fixed-distribution charges for residential customers, the regulator is now [turning its focus to consultation on rate design for Commercial and Industrial Customers](#). The purpose of this consultation will be to position electricity distributors for a future in which they will act more as a service platform offering services such as balancing, power quality, storage, and redistributing power from users connected to their systems as opposed to their traditional role of acting as a delivery route for power from the grid to consumers. CanSIA will be an active participant in this regulatory hearing ([other participants may be viewed on the OEB's website](#)).



#EnergyRevolution trackingtherevolution.ca CLEAN ENERGY CANADA



Clean Energy Canada Cites Plunging Costs of Solar as Top Clean Energy Trend

[Clean Energy Canada](#) just launched the first of a pair of annual reports that chronicle the ongoing clean-energy shift within Canada's borders and around the world. *Tracking the Energy Revolution - Global 2015*, presents the 10 leading policy, technology, and business trends that are defining and propelling the global shift to clean and renewable energy sources.

These top trends include the corporate "mainstreaming" of 100 percent renewable energy targets and carbon pricing, and the widespread job creation due to the solar industry's plummeting prices and rising affordability.

Read the full report at trackingtherevolution.ca

Find Out What Made 2014 Another Record Year for Renewables

The newly released *Renewables 2015 Global Status Report* by the Renewable Energy Policy Network for the 21st Century (REN21) is now available. Find out what made 2014 another record year for renewables.

First released in 2005, *REN21's Renewables Global Status Report (GSR)* provides a comprehensive and timely overview of renewable energy market, industry, investment and policy developments worldwide. It enables policymakers, industry, investors and civil society to make informed decisions. The *Renewables Global Status Report* relies on up-to-date renewable energy data, provided by an international network of more than 500 contributors, researchers, and authors.

[Read key findings & the full report here.](#)

Take a look at some of the stories we are following...

- [Europe's energy revolution marches on: one-third of power supply now renewable](#)

- [Beyond the Tesla Powerwall: How energy storage is shaping up in Ontario](#)
- [The Way Humans Get Electricity Is About to Change Forever](#)
- [Renewable Energy Responsible for First Ever Carbon Emissions Stabilization](#)
- [India Just Upped Its Solar Target Five-Fold, Will Install More Solar This Year Than Germany](#)
- [Trudeau pledges to overhaul 'gutted' National Energy Board reviews](#)
- [Why the Pope's embrace of science matters](#)
- [Power to the People](#)
- [Wind and Solar Power Are Taking the Lead](#)
- [Canadian solar panel makers pin hopes on upcoming trade decision - *See here for CanSIA news release on the CITT final decision*](#)
- [China's Climate Goal Calls for Aggressive Push on Solar, Wind](#)

[Join CanSIA](#) as a member to increase your access to policy forums, working groups, market research and policy advocacy events.

Contact Lisa Hatina (lhatina@cansia.ca), Business Development and Member Relations Manager to learn more about the significant opportunities and benefits that CanSIA members receive, can participate in and support in our three core service areas:

- Policy and Advocacy;
- Industry Capacity Development; and,
- Profile Building and Networking.



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CanSIA | 150 Isabella Street | Suite 605 | Ottawa | Ontario | K1S 1V7 | Canada