

**AMENDMENT TO RENEWABLE ENERGY APPROVAL**NUMBER 0017-8YGJJM  
Issue Date: July 31, 2014

SunE Taylor Kidd GP Corp. as general partner for and on behalf of SunE Taylor Kidd LP  
Renewable Power Group, BlackRock Alternative Investors  
55 East 52nd Street  
New York, NY 10055

Site Location: Napanee TS Taylor Kidd Solar Energy Project  
Part of Lots 27 & 28, Concession 1  
Township of Loyalist, County of Lennox and Addington

*You are hereby notified that I have amended Approval No. 0017-8YGJJM issued on October 16, 2012 for a Class 3 solar facility , as follows:*

**A. The definitions of "Acoustic Assessment Report", "Application" and "Equipment" in the Approval are deleted and replaced by the following:**

1. "Acoustic Assessment Report" means the report included in the amendment Application and entitled "Noise Study Report - Napanee TS Taylor Kidd Solar Energy Project" prepared by Hatch Limited, dated February 21, 2014 and signed by Joshua Friedlich and Mervyn Choy P.Eng.;
7. "Application" means the application for a Renewable Energy Approval dated February 22, 2012 and signed by Jason Gray, Director, 2225053 Ontario Inc., and all supporting documentation submitted with the application, including amended documentation submitted up to October 16, 2012, and as further amended by the application for a Renewable Energy Approval amendment dated March 3, 2014 and signed by Matthew Ptak, Vice President of SunE Taylor Kidd GP Corp. as general partner for and on behalf of SunE Taylor Kidd LP, and all supporting documentation submitted with the application, including amended documentation submitted up to June 10, 2014;
18. "Equipment" means the thirteen (13) 0.8 megawatt (MW) inverters, six (6) 1.6 megavolt ampere (MVA) transformers and one (1) 0.8 megavolt ampere (MVA) transformer, and one (1) 10 megavolt ampere (MVA) transformer substation and three (3) substation reactors, identified in this Approval and as further described in the Application, to the extent approved by this Approval;

**B. Condition F1 of the Approval is deleted and replaced by the following:**

F1. The Company shall employ best management practices for stormwater management and sediment and erosion control during construction, installation, use, operation, maintenance and retiring of the Facility, as described in the SWM Plan Report section prepared by Renewable Energy Systems Canada (RES) in the report entitled: "Napanee TS Taylor Kidd Solar Project – Modification Document", dated March 2014, and submitted by Dillon Consulting.

**Erosion, Sediment Control, and Stormwater Management Works:**

- F2. (1) Erosion, sediment control, and stormwater management works shall be installed and in working order prior to the commencement of construction related activities. Erosion, sedimentation, and stormwater controls should be inspected on a regular basis; particularly following precipitation events, until such time as the qualified Inspector determines that the works are no longer required/the risk of surface water/environmental impacts from the construction activity is negligible;
- (2) The erosion and sediment control works shall be inspected by a qualified inspector on a regular basis during the spring freshet and after significant storm events (a significant storm event is defined as a minimum of 10 mm of rain in any 24 hour period as measured at the closest Environment Canada weather station). During inspections turbidity measurements shall be taken upstream of the solar project on Cooke's Creek in a suitable area which represents background conditions (un-effected by the projects discharge) and at each point where stormwater exits the property. If the turbidity at the property boundary (or discharge point from erosion and sediment controls/works) is greater than 8 NTUs from that measured at the background station located on Cooke's Creek, then the inspector will notify the District Manager and identify to the site contractor what additional erosion and sediment control measures should be employed to reduce or mitigate the sediment related impacts;
- (3) The qualified inspector of the erosion and sediment works shall maintain a record of all inspections, including a record of all sampling data, and shall make this information available to a provincial officer upon request;
- (4) Water pumped from any excavations shall be directed to the on-site stormwater management/erosion and sediment control works;
- (5) The stormwater management ponds shall be sized to provide an enhanced level of suspended solids removal. The stormwater management ponds will be maintained as required to ensure their effectiveness; and
- (6) Water discharged from the stormwater management system shall be of a quality a quantity which will not result in downstream flooding, erosion, or environmental impact.

**C. Schedules A, B and C of the Approval are deleted and replaced with the following:**

**SCHEDULE A**  
**Facility Description**

The Facility shall consist of the construction, installation, operation, use and retiring of the following:

- (a) a total seven (7) arrays of photovoltaic (PV) modules with a total name plate capacity of up to approximately 10 megawatts (AC), six (6) arrays containing one (1) cluster of two (2) 0.8 megawatt (MW) inverters and one (1) 1.6 megavolt ampere (MVA) transformer and remaining one (1) array containing (1) cluster of one (1) 0.8 megawatt (MW) inverter and 0.8 megavolt ampere (MVA) transformer; and
- (b) associated ancillary equipment, systems and technologies including, but not limited to, one (1) 10 megavolt amperes (MVA) transformer substation and three (3) substation reactors, on-site access roads, below and above grade cabling, and below and above grade transmission lines,

all in accordance with the Application.

**SCHEDULE B**  
**Coordinates of the Equipment and Noise Specifications**

**Table B1: Coordinates of the Equipment in UTM, Z18-NAD83 projection**

Source ID	Sound Power Level (dBA)	Easting (metres)	Northing (metres)	Source description
Sub	94.8	363,522	4,897,437	10 MVA transformer substation, see Table B2
Inv1	100.4	363,358	4,897,623	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 1, see Table B3
Inv2	100.4	363,292	4,897,767	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 2, see Table B3
Inv3	100.4	363,224	4,897,938	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 3, see Table B3
Inv4	100.4	363,584	4,897,587	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 4, see Table B3
Inv5	100.4	363,750	4,897,650	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 5, see Table B3
Inv6	100.4	363,564	4,897,758	Two 0.8 MW inverters and one 1.6 MVA transformer in cluster 6, see Table B3
Inv7	97.4	363,522	4,897,934	One 0.8 MW inverters and one 0.8 MVA transformer in cluster 7, see Table B4
HV1	82.3	363,517	4,897,451	Substation Reactor 1, see Table B5
HV2	82.3	363,522	4,897,454	Substation Reactor 2, see Table B5
HV3	82.3	363,527	4,897,456	Substation Reactor 3, see Table B5

**Table B2: Maximum Sound Power Spectrum (Decibel) of 10 MVA transformer substation**

Sub	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	97.4	99.4	94.4	94.4	88.4	83.4	78.4	71.4

**Table B3: Maximum Sound Power Spectrum (Decibel) of 1.6 MW inverter cluster**

Inverter units 1-6	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	92.6	90.9	91.5	91.6	86.1	89.5	98.0	87.4

**Table B4: Maximum Sound Power Spectrum (Decibel) of 0.8 MW inverter cluster**

Inverter unit 7	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	90.0	88.8	88.8	88.9	83.3	86.5	95.0	84.4

**Table B5: Maximum Sound Power Spectrum (Decibel) of reactor**

HV1 - HV3	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	88.2	98.3	65.4	8.2	5.0	3.8	4.0	6.1

Note: The Sound Power Level values in the above Tables B1 to B5 include the 5 Decibel adjustment for tonality as prescribed in Publication NPC-104.

## SCHEDULE C

### Noise Control Measures

**Substation Barrier:**

One (1) three sided 23.3 meters long and 4.25 meters high acoustic barrier, positioned as per Table B-5 and Figure B.7 in the Acoustic Assessment Report. The acoustic barrier shall be continuous without holes, gaps and other penetrations, and having surface mass at least 20 kilograms per square metres.

**Acoustic Enclosure:**

Seven (7) acoustic enclosures for all the seven (7) inverter clusters as described in the Acoustic Assessment Report, capable of providing the following values of Insertion Loss in 1/1 octave frequency bands:

**Minimum Insertion Loss (dB) values in octave frequency bands for Inverter Enclosures 1 to 7**

Inv 1-Inv 7	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dBA)	1.0	3.0	6.0	8.0	8.0	6.0	6.0	6.0

The reasons for the imposition of Condition F2 is as follow:

1. Condition F2 is included as installation, regular inspection and maintenance of the erosion, sediment control, and stormwater management works is required to mitigate the impact on the environment.

All other Terms and Conditions of the Approval remain the same.

This Notice shall constitute part of the approval issued under Approval No. 0017-8YGJJM dated October 16, 2012

In accordance with Section 139 of the Environmental Protection Act, within 15 days after the service of this notice, you may by further written notice served upon the Director, the Environmental Review Tribunal and the Environmental Commissioner, require a hearing by the Tribunal.

In accordance with Section 47 of the Environmental Bill of Rights, 1993, the Environmental Commissioner will place notice of your request for a hearing on the Environmental Registry.

Section 142 of the Environmental Protection Act provides that the notice requiring the hearing shall state:

1. The portions of the renewable energy approval or each term or condition in the renewable energy approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The signed and dated notice requiring the hearing should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The renewable energy approval number;
6. The date of the renewable energy approval;
7. The name of the Director;
8. The municipality or municipalities within which the project is to be engaged in;

This notice must be served upon:

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, 15th Floor  
Toronto, Ontario  
M5G 1E5

AND

The Environmental Commissioner  
1075 Bay Street, 6th Floor  
Suite 605  
Toronto, Ontario  
M5S 2B1

AND

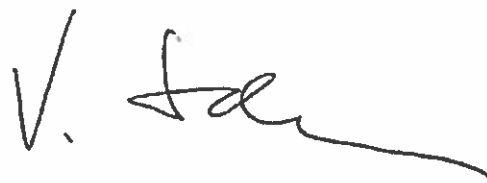
The Director  
Section 47.5, Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

Under Section 142.1 of the Environmental Protection Act, residents of Ontario may require a hearing by the Environmental Review Tribunal within 15 days after the day on which notice of this decision is published in the Environmental Registry. By accessing the Environmental Registry at [www.ebr.gov.on.ca](http://www.ebr.gov.on.ca), you can determine when this period ends.

*Approval for the above noted renewable energy project is issued to you under Section 47.5 of the Environmental Protection Act subject to the terms and conditions outlined above.*

DATED AT TORONTO this 31st day of July, 2014



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Vic Schroter, P.Eng.  
Director  
Section 47.5, *Environmental Protection Act*

YB/

c: District Manager, MOE Kingston - District  
Grace Pasceri, Canadian Solar Solutions Inc.

