



LA K E S H O R E **GROUP**

July 30, 2010

VIA COURIER

Ms. Shannon McNeill
Senior Project Evaluator
Renewable Energy Approval
Environmental Assessment and Approvals Branch
Ministry of the Environment
2 St. Clair West, 12A Floor, Toronto, ON M4V 1L5

Dear Ms. McNeill:

RE: First Solar Moore & Sombra Solar Farm Renewable Energy Approval

Further to the conference call on July 28, 2010 regarding your assessment of the Moore and Sombra Renewable Energy Approval applications, please find the following letters and addendums to address your comments:

- St. Clair Moore Solar Farm Design and Operations Report Addendum dated July 30, 2010;
- St. Clair Sombra Solar Farm Design and Operations Report Addendum dated July 30, 2010;
- St. Clair Moore and Sombra Municipal Consultation package cover letter to County of Lambton dated January 20, 2010;
- St. Clair Moore and Sombra Municipal Consultation package cover letter to the Township of St. Clair dated January 20, 2010;
- Email from Heather Riddell (MNR) dated January 11, 2010 regarding Species at Risk (SAR) occurrences in relation to proposed Moore and Sombra solar farms; and,
- CD with PDF version of Design and Operation Report Addendums and letters.

Should you have any questions, or require additional information, please feel free to call me at (416) 364-5926.

Sincerely,
THE LAKESHORE GROUP

Paul Barrette, M.C.I.P., R.P.P.
MANAGER



DESIGN AND OPERATIONS REPORT ADDENDUM Twp. of St. Clair – Sombra Solar Farm

Date: Version 1: July 30, 2010



Contact Information:

Web Page: <http://Canada.FirstSolar.com>

Mailing: First Solar Development (Canada), Inc.
5115 Blackwell Sideroad,
Sarnia ON N7T 7H3

Email: ontario@firstsolar.com

Telephone: 519-344-2187

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Project

Class 3 solar farm as defined by Section 4 of O. Reg. 359/09.

Proponent

First Solar Development (Canada), Inc. (hereinafter referred to as “First Solar”).

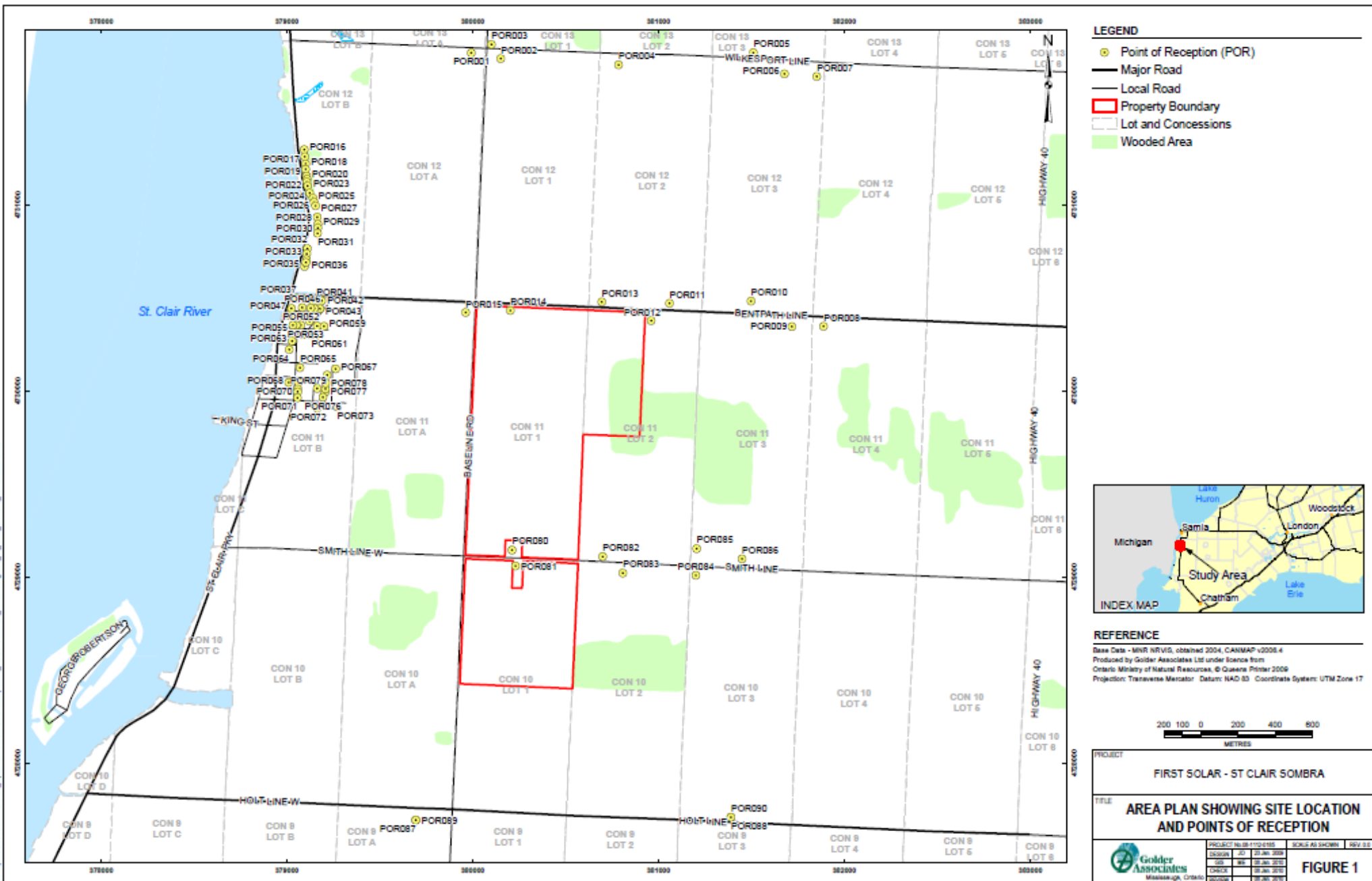
Addendum

This Report is an addendum to the Sombra Solar Farm Design and Operations Report dated June 22, 2010. This addendum summarizes information concerning sound emissions from the solar farm that are presented in more detail in the Acoustic Assessment.

Points of Reception

Points of Reception (POR) in proximity to the project location could potentially be impacted by the noise emissions from the Sombra solar farm. To assess whether the proposed Sombra Solar Farm would comply with Ministry of Environment noise level limits, an Acoustic Assessment was prepared which assessed 106 POR in proximity to the Sombra Solar Farm. Pursuant to item 4 in Table 1 of O. Reg. 359/09, each POR (001-106) is shown on the map provided in Appendix A of this report and are all residential dwellings. POR 014 is owned by First Solar, and the residence will be demolished prior to operation of the solar farm. However, as noted in the Acoustic Assessment Report, the POR was included in the assessment for completeness. It was determined in the Sombra Solar Farm Acoustic Assessment that sound levels from the proposed Sombra Solar Farm will be below the maximum levels permitted by the Ministry of Environment at each POR assessed. For further details, a chart describing the location (UTM coordinates) of each POR is enclosed in Appendix B of this Report.

Appendix A – Area Plan Showing Points of Reception



Appendix B – Points of Reception Location Chart

Sombra	x	y
POR001	379992.1	4731816
POR002	380150.6	4731785
POR003	380100.6	4731861
POR004	380784.1	4731752
POR005	381509	4731818
POR006	381677.5	4731703
POR007	381851.7	4731689
POR008	381887.4	4730347
POR009	381717.5	4730345
POR010	381498	4730483
POR011	381058.8	4730470
POR012	380959.5	4730377
POR013	380695	4730477
POR014	380202.6	4730432
POR015	379960.6	4730421
POR016	379092.4	4731296
POR017	379095.7	4731259
POR018	379100.8	4731220
POR019	379100.8	4731191
POR020	379104.8	4731155
POR021	379107.2	4731138
POR022	379106.4	4731122
POR023	379110.7	4731102
POR024	379122.2	4731064
POR025	379139.6	4731035
POR026	379146.6	4731014
POR027	379154.1	4730994
POR028	379162.9	4730934
POR029	379165.9	4730895
POR030	379165.3	4730876
POR031	379164	4730846
POR032	379109.5	4730765
POR033	379107	4730736
POR034	379104.9	4730706
POR035	379093.8	4730669
POR036	379102	4730689
POR037	379051.7	4730496
POR038	379095.6	4730491
POR039	379120.6	4730488
POR040	379138.8	4730483
POR041	379158.8	4730486
POR042	379187	4730485
POR043	379177.7	4730441
POR044	379147	4730443
POR045	379128.1	4730444

POR046	379081.3	4730447
POR047	379024.2	4730443
POR048	379013.2	4730405
POR049	379046	4730397
POR050	379068	4730399
POR051	379096.9	4730396
POR052	379074.4	4730352
POR053	379050.7	4730353
POR054	379049.8	4730352
POR055	379031.2	4730353
POR056	379121.5	4730375
POR057	379144.3	4730394
POR058	379162.6	4730348
POR059	379198.9	4730347
POR060	379172.6	4730299
POR061	379130.2	4730302
POR062	379086.8	4730302
POR063	379027.1	4730268
POR064	379011.1	4730222
POR065	379070	4730125
POR066	379061.2	4730044
POR067	379261.4	4730118
POR068	379008.7	4730045
POR069	379056.8	4730011
POR070	379056.8	4729995
POR071	379056.4	4729963
POR072	379162.7	4729907
POR073	379271.1	4729914
POR074	379216.2	4730085
POR075	379203.5	4729990
POR076	379193.1	4729966
POR077	379206.4	4730010
POR078	379207.8	4730042
POR079	379163.3	4730013
POR080	380210.7	4729144
POR081	380229	4729059
POR082	380698.8	4729110
POR083	380806.9	4729020
POR084	381200.7	4729008
POR085	381204.4	4729153
POR086	381449.2	4729097
POR087	379693	4727693
POR088	381388.6	4727709
POR089	379693	4727693
POR090	381388.6	4727709
POR091	379357.9	4726452
POR092	379773.8	4726349
POR093	380551	4726388
POR094	381313.1	4726288

POR095	381448.3	4726280
POR096	381756.4	4726343
POR097	379329.9	4725071
POR098	379169.1	4724966
POR099	379975	4725047
POR100	380655.8	4725009
POR101	380745.1	4724929
POR102	381001.6	4724921
POR103	381524.2	4724974
POR104	380908.5	4724927
POR105	380886.3	4724993
POR106	379958.8	4724957

Paul Barrette

Subject: FW: First Solar Projects - SAR Info
Attachments: image003.jpg; image004.jpg

From: Riddell, Heather (MNR) [mailto:Heather.Riddell@ontario.ca]
Sent: Monday, January 11, 2010 1:44 PM
To: Crabb, Mike
Subject: First Solar Projects - SAR Info

Hi Mike,

The First Solar project locations were screened for additional Species at Risk (SAR) occurrences and as you will see below, there are not many occurrence records beyond what you have provided in your spreadsheets. The Amherstburg project is the exception because it falls within Essex County where there is a high probability of coming across Eastern Foxsnake.

1. Amherstburg:

- No known EOs for SAR at the site area
- Eastern Foxsnake is commonly found in Essex County. As an Endangered species, Eastern Foxsnake and its habitat are protected under the *Endangered Species Act (ESA)*, 2007. A survey for Eastern Foxsnake within this study area is recommended. The Eastern Foxsnake regularly inhabits agricultural lands throughout the area between Lake Erie and Lake St. Clair, and so, woodlands, farm hedgerows, and drainage corridors can be important core habitats as well as seasonal migration linkages. If surveys reveal the presence of Eastern Foxsnake and/or its habitat, the MNR has specific mitigation measures and timing windows that must be adhered to in order to avoid contravening the ESA 2007.

2. St. Clair, Moore:

- No known EOs for SAR at the site area

3. St. Clair, Sombra:

- No known EOs for SAR at the site
- Northern Bobwhite (Endangered) adjacent to site (has already been identified in your spreadsheet for this project).

4. Belmont:

- No known EOs for SAR at the site area

5. Walpole Township:

- No known EOs for SAR at the site area

If you have any questions about this information or require further clarification on anything, please contact me.

Regards,

Heather

Heather Riddell
Renewable Energy Intern
Ministry of Natural Resources
Aylmer District
615 John Street N.
Aylmer, ON N5H 2R3
Tel: 519-773-4723
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KESHORE GROUP

January 20, 2010

VIA COURIER

Mr. John DeMars
Clerk/Deputy CAO
St. Clair Township
1155 Emily Street,
Mooretown, ON. N0N 1M0

Dear Mr. DeMars:

RE: O. Reg. 359/09 - Municipal Consultation for Proposal to Engage in a Renewable Energy Project

We are the land use planning consultants for First Solar Development (Canada), Inc. ("First Solar"). First Solar is seeking approval from the Province of Ontario to permit the establishment of their proposed 20 MW Moore Solar Farm and 20 MW Sombra Solar Farm. In accordance with Sec. 18 of O. Reg. 359/09, First Solar is providing you with the Municipal Consultation Form for each noted project along with a hard copy of the related draft reports and studies. Also included are the draft site plans for each proposal. Pursuant to the Regulation, the Municipality is to provide their comments regarding the proposals on the aforementioned Municipal Consultation Form.

The Municipal Consultation Form is provided to you at least 90 days before the final public meeting to be held pursuant to the Regulation. Should the Municipality have comments, we request that the Form be completed and returned to us no later than March 15, 2009. Notice of the final public meeting will be provided to you at least 30 days prior to it being held as per O. Reg. 359/09.

Soft copies of all reports and studies will be available on First Solar's website at www.canada.firstsolar.com. Should any of the reports or studies appended hereto be updated we will ensure that a hard copy of the same is provided to you.

Should you have any questions, please feel free to call me at (416) 364-5926.

Sincerely,
THE LAKESHORE GROUP

for
Rick Pennycooke, M.C.I.P., R.P.P.
PRESIDENT

CC: PETER CARRIE, VICE PRESIDENT, FIRST SOLAR DEVELOPMENT (CANADA), INC.



KESHORE GROUP

January 20, 2010

VIA COURIER

Ronald G. Van Horne
Chief Administrative Officer
789 Broadway Street, Box 3000
Wyoming ON. N0N 1T0

Dear Mr. Van Horne:

RE: O. Reg. 359/09 - Municipal Consultation for Proposal to Engage in a Renewable Energy Project

We are the land use planning consultants for First Solar Development (Canada), Inc. ("First Solar"). First Solar is seeking approval from the Province of Ontario to permit the establishment of their proposed 20 MW Moore Solar Farm and 20 MW Sombra Solar Farm. In accordance with Sec. 18 of O. Reg. 359/09, First Solar is providing you with the Municipal Consultation Form for each noted project along with a hard copy of the related draft reports and studies. Also included are the draft site plans for each proposal. Pursuant to the Regulation, the Municipality is to provide their comments regarding the proposals on the aforementioned Municipal Consultation Form.

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Sincerely,
THE LAKESHORE GROUP

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Rick Pennycooke, M.C.I.P., R.P.P.
PRESIDENT

CC: PETER CARRIE, VICE PRESIDENT, FIRST SOLAR DEVELOPMENT (CANADA), INC.