# RE SMITHS FALLS 1 SOLAR PROJECT

**Consultation Report** 









RE Smiths Falls 1 ULC

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RE Smiths Falls 1 Solar Project

H334680-0000-07-124-0416 Rev. 0 July 19, 2011

#### Disclaimer

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Project Report

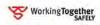
July 19, 2011

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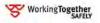
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#### **Appendixes** Appendix A **Public Stakeholders Lists** Appendix B **Notices and Sample Letters** Appendix C Copies of Display Boards and Other Material at the First Public Meeting Appendix D Copies of Display Boards and Other Material at the Final Public Meeting Appendix E Correspondence with the Public Appendix F Correspondence with Agencies Correspondence with Municipalities Appendix G Appendix H List of Aboriginal Communities From MOE Appendix I List of Aboriginal Communities From Hatch Appendix J Letters to Aboriginal Communities





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#### 1. Overview

#### 1.1 Project Description

RE Smiths Falls 1 ULC is proposing to develop and operate a 10-megawatt (MW) solar photovoltaic (Solar PV) facility, on an approximately 48-hectare (ha) parcel of land located in the Township of Rideau Lakes within the County of Leeds, approximately 3 km southeast of the Town of Smiths Falls, herein referred to as "RE Smiths Falls 1" or the "Project".

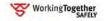
Ontario Regulation (O. Reg.) 359/09 – Renewable Energy Approvals under Part V.O.1 of the Act, (referred to as the REA Regulation) made under the Environmental Protection Act identifies the Renewable Energy Approval (REA) requirements for renewable energy projects in Ontario. Per Section 4 of the REA Regulation, ground mounted solar facilities with a name plate capacity greater than 10 kilowatts (kW) are classified as Class 3 solar facilities and do require a REA.

Consultation is a requirement of the REA process as stipulated by Sections 14, 15, 16, 17 and 18 of the REA Regulation. In addition, the Ministry of the Environment (MOE) has prepared a draft guideline called "Technical Bulletin Five - Guidance for Preparing the Consultation Report" (MOE, 2010) outlining the Ministry's expectations and guidelines for appropriate consultation, including the development of a Consultation Report as part of the REA application package. This Consultation Report has been prepared in accordance with the requirements of the REA Regulation and the MOE technical bulletin.

It is noted that at the time of submittal of this report, MOE stated that an Aboriginal consultation document, titled "Aboriginal Consultation Guide for Renewable Energy Projects Governed Under O. Reg. 359/09: Aboriginal Consultation Guide" was being drafted to be released at a later date, but was not currently publicly available. As a result, the above mentioned guidance document (Technical Bulletin Five) was used as a reference for Aboriginal consultation requirements.

Table 1.1 in the REA Regulation requires the Consultation Report to include

- a summary of communications with any members of the public, Aboriginal communities, municipalities, local road boards and Local Services Boards regarding the Project
- evidence that the information required to be distributed to Aboriginal communities under Subsection 17 (1) was distributed
- any information provided by an Aboriginal community in response to a request made under paragraph 4 of Subsection 17 (1)
- evidence that a consultation form was distributed in accordance with Subsection 18 (1)
- the consultation form distributed under Subsection 18 (1), if any part of it has been completed by a municipality, local roads board or Local Services Board
- a description of whether and how
  - comments from the members of the public, Aboriginal communities, municipalities, local roads boards and Local Service Boards were considered by the person who is engaging in the project





- the documents that were made available under Subsection 16(5) were amended after the final public meeting was held
- the proposal to engage in the project was altered in response to comments made from members of the public, aboriginal communities, municipalities, local roads boards and Local Service Boards.

The legislative requirements have been documented within this Consultation Report. The information as it relates to legislative requirements is in a concordance table, Table 1.1.

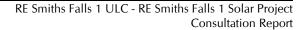
**Table 1.1 Legislative Requirements – Concordance Table** 

Requirements	Location within the Consultation Report
A summary of communications with public, aboriginal communities, and municipalities.	Communications with the public are summarized in Table 2.1 and provided in Appendix E.  Communications with Aboriginal communities are summarized in Table 4.2 and provided in Appendix J.
	Communications with municipalities and other government agencies are summarized in Section 3 and found in Appendixes F and G.
Evidence that the information required to be distributed to aboriginal communities under Subsection 17(1) was distributed.	Section 4
Any information provided by an aboriginal community in response to a request made under paragraph 4 of subsection 17(1).	Section 4
Evidence that a consultation form was distributed in accordance with subsection 18(1).	Section 3
The consultation form distributed under subsection 18 (1), if any part of it has been completed by a municipality, local roads board or Local Service Board.	Appendix G
<ul> <li>A description of whether and how</li> <li>comments from the members of the public, aboriginal communities, municipalities, local roads boards and Local Service Boards were considered by the person who is engaging in the project</li> <li>the documents that were made available under subsection 16(5) were amended after the final public meeting was held; and</li> <li>the proposal to engage in the project was altered in response to comments made from members of the public, aboriginal communities, municipalities, local roads boards and Local Service Boards.</li> </ul>	Table 2.1, Tables 3.1-3.4 and Table 4.2

#### 1.2 The Consultation Process

Pursuant to O. Reg. 359/09, consultation conducted for the Project has included adjacent landowners, government agencies [e.g. Ontario Ministry of Natural Resources (MNR), MOE, Ministry of Tourism and Culture (MTC), Rideau Valley Conservation Authority (RVCA)], local municipalities







(upper and lower tier), Aboriginal communities, and the public. The objectives of the consultation process have been to obtain information about the Project location, identify issues and potential concerns and to identify potential impacts associated with the Project and mitigation that may be effective in addressing those potential impacts and concerns. As well, the consultation process has been used to identify specific stakeholders as a means to establish open and meaningful dialogue between the project Proponent and the stakeholders.

There are no Local road boards or Local Service Boards in the Project area. Therefore, no consultation is possible with these bodies for the Project.

The following report sections provide

- an outline and description of all consultation activities held for this Project for the public, government agencies (including municipalities) and Aboriginal communities
- a summary of comments from public, government agencies and Aboriginal communities
- a summary of how these comments were addressed in the REA process.

#### 2. Consultation with the Public

#### 2.1 List of Stakeholders

Initially, a list of property owners within 120 m of the Project location was determined by identifying property roll numbers from on-line mapping (Land Information Ontario Make-a-Map application) and obtaining mailing addresses for the respective property owners from the Township of Rideau Lakes. At the first public meeting, several property owners living greater than 120 m from the Project location requested that they be included on the mailing list.

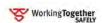
As a result, the mailing list was expanded to include a 1-km radius surrounding the Project location (using the same methodology as was used to the compile the initial stakeholder list). As correspondence was received from members of the public and other organizations regarding the Project, newly identified names and contact details were added to the Project stakeholder mailing list. For example, if any attendees at the first public meeting provided their complete mailing address on the sign-in sheet (as was requested), this address was added to the mailing list.

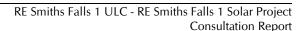
Appendix A contains a copy of the stakeholder list that was used for distribution of the Notice of Proposal to Engage in a Renewable Energy Project/Notice of Public Meeting and the expanded stakeholder list that was used for distribution of the Notice of Final Public Meeting.

#### 2.2 Methods of Consultation

The methods of consultation for the Project include the requirements identified in the REA Regulation, as well additional measures deemed necessary to ensure adequate consultation. A wide variety of consultation methods increases the amount of public awareness and participation. The methods of consultation for this Project included the following:

Notice of Proposal to Engage in a Renewable Energy Project/Notice of Public Meeting
 Notice posted on Thursday, May 6, 2010 and Thursday, May 13, 2010 in a local newspaper (Smiths Falls EMC) which has general circulation in the Project area. This notice is included in Appendix B.







Notice mailed to all identified landowners within 120 meters of the Project location (the mailing list for this distribution is provided in Appendix A). A total of 17 notices were issued to members of the public (23 Notices issued including agencies) on May 4, 2010. A sample of the covering letter is included in Appendix B.

Notice of Final Public Meeting

Notice posted on April 21, 2011 and May 19, 2011 in the *Smiths Falls EMC*, which has general circulation in the Project area. This notice is included in Appendix B.

Notice mailed to all identified landowners within 1 km of the Project location (the mailing list for this distribution is provided in Appendix A). A total of 139 notices were issued on April 18, 2011 for the final public meeting. A sample of the covering letter is included in Appendix B.

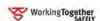
- A website (www.ontariosolarfuture.ca) with Project and proponent information, Notices and Project documents posted, when available.
- A hard copy of the Draft Project Description Report available for review at the Township of Rideau Lakes municipal office 30 days prior to the first public meeting.
- Hard copies of the Draft REA supporting documents available for review at the Township of Rideau Lakes municipal office 60 days prior to the final public meeting.
- First public meeting (June 10, 2010) and final public meeting (June 23, 2011).
- Means to obtain comments on the Project by having comment sheets available at first and final
  public meetings and advertisement of phone numbers, fax and emails for the public to make
  comments.
- One hard copy of the Draft Project Description Report available at the first public meeting and all the Draft REA supporting documents available for review at the final public meeting.
- Handouts (printed copies of display boards, one-page information sheet) available at the public meetings.
- All landowners immediately adjacent to the Project property were contacted by phone in March 2011 by representatives from RE Smiths Falls 1 ULC to extend an invitation to meet directly with RE Smiths Falls 1 ULC prior to the final public meeting.

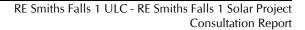
Through these methods information, questions, comments, feedback and concerns regarding the Project were obtained and then utilized and addressed.

#### 2.3 Details and Results of Consultation

The following sections provide information on the details of the public consultation completed and the results.

It should be noted that between the formalized consultation activities, all stakeholders were encouraged to provide comments or questions via telephone, fax, email or mail at any time during the consultation process. Stakeholders were also encouraged to provide any concerns early in the process. Where relevant, a response was provided for each question or comment received, either directly (i.e., at the public meetings) or through the same medium through which the submission was







made. All comments and concerns, responses, and any resulting changes to the Project are discussed in this report.

#### 2.3.1 First Public Meeting and Notice

The Notice of Proposal to Engage in a Renewable Energy Project and Public Meeting was published 30 days prior to the event in the *Smiths Falls EMC* on Thursday, May 6, 2010 and again on Thursday, May 13, 2010. Tear sheets from both newspaper editions are included in Appendix B to provide proof of publishing. This local paper has general circulation in the area around the Project location. The Notice and a covering letter were also sent by regular mail to all identified landowners within 120 meters of the Project location, as well as to the agencies that are required to be notified in the REA Regulation. A total of 17 adjacent landowners (as well as 6 agency representatives) were mailed the Notice and cover letter on May 4, 2010. A copy of the Notice and a sample of one of the letters sent to landowners are contained in Appendix B.

A copy of the first Notice and the Draft Project Description Report (PDR) were posted on the Project website, www.ontariosolarfuture.ca, on the same date as the Notice was first published in the newspapers (May 6, 2010).

The first public meeting was held on Thursday, June 10, 2010, from 6:00 p.m. to 9:00 p.m. at the South Elmsley Municipal Complex 441 Highway 15, Rideau Lakes, Ontario, with a purpose to

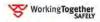
- introduce the proponent and the Project to the community
- identify the Project contacts and avenues for comment or question submission
- solicit feedback on the Draft PDR.

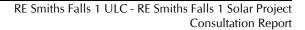
The public meeting was attended by representatives from RE Smiths Falls 1 ULC and Hatch. A total of 8 people signed in at the first public meeting. All individuals that provided complete mailing address information on the sign-in sheet were added to the Project stakeholder list for future communications. Appendix C contains a copy of the sign-in sheet.

The Draft PDR was made available for public review on the Project's website, and at The Township of Rideau Lakes municipal office, 30-days prior to the meeting. Paper copies of the Draft PDR were made available for review at the event. Further information was provided on the display boards at the first public meeting, as well as a one-page handout. Appendix C contains a copy of the display boards and one-page handout provided at the meeting.

During the public meeting, questions were answered by the Proponent (e.g., typically Project specific questions) or by Hatch (e.g., typically REA process or environmental impact questions).

Feedback obtained from the first public meeting was intended to provide direction for the scope of the assessment and ensure that local issues would be addressed as appropriate. Comment sheets were offered to all attendees as means to obtain and record comments and concerns as well as pertinent background information about the Project location. RE Smiths Falls 1 ULC and Hatch representatives also made notes to record the general topics discussed with attendees at the first public meeting.







No comment sheets were obtained from the first public meeting. The overall sentiments expressed by the public were very positive and supportive of the proposed project. Appendix C contains a copy of the comment sheet that was provided to attendees at the first public meeting.

#### 2.3.2 Final Public Meeting and Notice

The Notice of Final Public Meeting was published in the *Smiths Falls EMC* on April 21, 2011, at least 60 days prior to the event on Thursday, June 23 2011. The Notice was published again on May 19, 2011. Tear sheets from both newspaper editions are included in Appendix B to provide proof of publishing. The Notice and a covering letter were sent to all members of the Project stakeholder mailing list by regular mail. The mailing list included the expanded adjacent property owner list (including all property owners within 1km from the Project location) and any other individuals who provided their mailing information at or following the first public meeting. A copy of this Notice and a sample of the covering letter are provided in Appendix B.

Draft copies of the Project documents required to be prepared under the REA process were made available for public review on April 21, 2011, at the Township of Rideau Lakes municipal office and on the Project website and at the final public meeting on June 23, 2011. These draft Project documents included the

- Executive Summary (including summaries of the following documents and Letters of Confirmation from MTC and MNR)
- Draft Project Description Report
- Draft Construction Plan Report
- Draft Design and Operations Report
- Draft Decommissioning Plan Report
- Draft Noise Assessment Study
- Stage 1 and 2 Archaeological Assessment Report
- Draft Water Body Assessment Reports
- Draft Natural Heritage Assessment Reports.

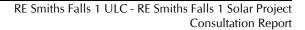
A copy of the Notice of Final Public Meeting and drafts of all Project documents were posted on the Project website at the same time as the Notice was published.

The final public meeting was held on Thursday June 23, 2011, from 6:00 p.m. to 8:00 p.m. at the Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON in the Township of Rideau Lakes, Ontario, with a purpose to

- provide the community with detailed information about the Project
- answer any questions about the Project
- obtain any comments or concerns with respect to the Project.

The public meeting was attended by representatives from RE Smiths Falls 1 ULC and Hatch.







A total of 8 people signed in at the final public meeting. Appendix D contains a copy of the sign in sheets.

Information provided at the final public meeting included display boards and a one-page handout summary. Copies of this information are provided in Appendix D. Display boards provided general information on the proponent and Project, including the main concerns discussed by the public in the first public meeting in June 2010, and specific information provided in the Project documents.

Questions at the final public meeting were answered by the Project team attendees at the public meeting. Comments from this final public meeting would be obtained from comment sheets that were filled in by the participants, if they chose to do so, however no comment sheets were received at the final public meeting (Appendix D contains a copy of the comment sheet distributed at the final public meeting). Project team representatives also made notes regarding discussions that were held with members of the public at the final public meeting. Table 2.1 provides information on how these comments were addressed and incorporated into the finalization of the REA reports, as appropriate.

#### 2.3.3 Other Public Consultation

The public was encouraged to communicate with RE Smiths Falls 1 ULC and Hatch outside of the public meetings via any of the following forms of communication:

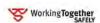
- email correspondence
- phone calls
- mail
- fax.

One email has been received from the public throughout the course of the consultation program. See Appendix E for a copy of this email and the direct email response provided by RE Smiths Falls 1 ULC.

In June 2011, RE Smiths Falls 1 ULC called the twelve landowners immediately adjacent to the Project location to see if they had any concerns with the Project and offered to meet directly prior to the final public meeting. During these conversations, six landowners either indicated that they had no concerns with, or were not interested in the proposed Project. Two landowners indicated that they would be attending the meeting, and several voice mail messages were left with three of the landowners, but no response was received. Two landowners did express concerns with the Project. Specifically one landowner had a question on sandblasting, which RE Smiths Falls 1 ULC answered by phone, while the proponent met with the other landowner to discuss concerns regarding noise and visual impact. Table 2.1 contains RE Smiths Falls 1 ULC's responses to these concerns.

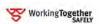
#### 2.4 Public Comments and Concerns

This section notes comments and/or concerns that were obtained from the public (e.g., comment sheets, emails, letters, conversations etc.) during the Project consultation process. The Project has responded to and taken action to address concerns in a multitude of ways. The responses are provided in Table 2.1. Where applicable, the Project response also provides reference to where more detail can be found in the Project documents prepared under the REA Process. Additionally,





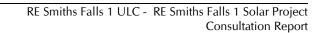
any changes to the Project documents and/or to the Project made in response to public comments/concerns are included in Table 2.1.





# Table 2.1 Comments/Concerns from Public and Responses

Category of			
Comment or Concern	Comment or Concern	Response	Amendments to Project or Project Reports
Existing Environment		ксэропэс	or rioject keports
Existing Environment	Comment from Email Received Prior to Final Public Meeting		
	"What is the texture of the soil and overburden on the site and the direction of shallow and deep groundwater flow from the site?"	The soil profile varies somewhat across the site, but the general soil makeup consists of a thin layer of topsoil overlying discontinuous layers of silty sand to sandy silt and silt with clay which, in turn, is underlain by glacial till soils which are predominantly silty sand in texture. Bedrock depth varied from a depth of 2.6 m to 6.6 m across the project site. Surface water runoff from the northwest portion of the site generally occurs towards the tributary that runs beneath the transmission line corridor, while the rest of the site generally drains towards Otter Creek (more information on surface water is contained within the Water Body Site Investigation Report). Local groundwater flow is likely in a more easterly direction towards Otter Creek.	n/a
Project Design			
	Comments from Email Received Prior to Final Public Meeting		
	"How many transformers will be employed at the site?"	The design (as identified in the Design and Operations Report) includes 1 main transformer and 8 mid level transformers in the inverters, and one station service transformer, for a total of 10 transformers.	n/a
	"Will this number of transformers be located in one spot, or scattered at various locations around the Project?"	Transformers will be distributed across the site. Two will be located in the substation fence near Eric Hutcheson Road and 8 will be located on the integrated inverter pads arranged throughout the facility.	
	"How/where does the Project connect to the grid - is it at the Eric Hutcheson station?"	Feeder connections are determined by the Local Distribution Company which in this case is Hydro One. The project is tentatively planned to connect to the 44 kV feeder along Eric Hutcheson Road that originates at the Smiths Falls Transformer Station immediately east of the project site.	
Health, Safety and	Security		
	Comments from Email Received Prior to Final Public Meeting		
	"What fluids will the transformers contain and what are the constituents of these fluids?"	The current design specifies the use of FR3 Envirotemp (or equivalent) oil for all transformers. Regardless of the final oil and transformer selection, the project will adhere to all safety standards required for the installation and operation of transformers in Ontario.  There are no hazardous substances in the fluid FR3 Envirotemp. It contains over 98.5% vegetable oil, with the remaining substances being	n/a
	what are they?"	antioxidant and cold flow additives and colour. The US Food and Drug Administration recognizes this a safe substance and allowed for human consumption.	
	"What is the LC50 of the most toxic constituent of the transformer fluid?"	The LC50 measurement varies for different species, but as noted above, it is very benign for humans.	
Blasting			
	Comment from Telephone Discussion Prior to Final Public Meeting		
	A neighbour to the project questioned whether there would be any blasting done during the construction of the project.	A representative of RE Smiths Falls 1 ULC spoke to the neighbour by phone and indicated that current plans do not call for blasting during the construction period.	n/a





Category of Comment or			Amendments to Project
Concern	Comment or Concern	Response	or Project Reports
Noise			
	Verbal Comments during Final Public Meeting and from Telephone Discussion Prior to Final Public Meeting		
	General concern regarding noise levels from the facility.	Once operational, sound emissions from the proposed facility will comply with all requirements of the MOE with respect to sound levels. In accordance with the MOE guidelines, sound levels have been designed not to exceed 40 dBA at the nearest neighbour. This noise level is similar the background noise of a quiet rural evening. After nightfall, or for neighbours further away, the sound levels drop dramatically. More information is available in the Noise Assessment Study, which identifies the noise barriers that have been specified to ensure MOE sound level requirements are satisfied.	n/a
Visual Impact			
	Verbal Comments during Final Public Meeting  General questions regarding what the facility would look like from nearby vantage points.	Visual screening will be installed along a portion of the Eric Hutcheson Road frontage and the site access road to minimize views of the facility from the front of the property. This information has been added to the Design and Operations Report.	The Design and Operations Report has been updated to include visual screening information.
<b>Project Operation</b>			
	Comments from Email Received Prior to Final Public Meeting		
	"Who is/will be the operating Company for the Project?"	The operating company is RE Smiths Falls 1 ULC which is a subsidiary of Recurrent Energy and Sharp Corporation. Maintenance and other services may be outsourced to third parties.	n/a



# 3. Consultation with Agencies

## 3.1 Agencies

Consultation with relevant government agencies including provincial ministries and local municipalities was completed as per the requirements of O. Reg. 359/09 and MOE's "Guidance for Preparing the Consultation Report". The following agencies were consulted:

- Parks Canada (PC)
- Ministry of the Environment (MOE)
- Ministry of Natural Resources (MNR)
- Ministry of Tourism and Culture (MTC)
- Rideau Valley Conservation Authority (RVCA)
- Township of Rideau Lakes
- United Counties of Leeds and Grenville.

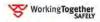
The following provides the details of the consultation completed per agency. Copies of correspondence with the agencies are found in Appendix F.

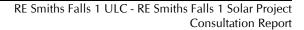
#### 3.1.1 Park Canada

- On March 5, 2010 Hatch commenced consultation with Parks Canada regarding the potential for impacts to heritage values in the vicinity of the Rideau River watershed. Specifically, Hatch consulted with PC to determine the potential cultural, or heritage values in the vicinity of the proposed Project as pertaining to the Rideau River, under any or all of its official designations, including built heritage or cultural heritage landscapes. Various correspondence with PC is documented in Appendix F1.
- Consultation with PC concluded with correspondence to Hatch on September 15, 2010 which
  stated that following a review of submission by Hatch, the agency was satisfied that there will be
  no negative impacts to the cultural heritage values and viewscapes of the Rideau Canal.
  Therefore, no heritage impact assessment was required.

#### 3.1.2 Ontario Ministry of the Environment

- On December 22, 2009, RE Smiths Falls 1 ULC provided the MOE with the draft Project
  Description Report and requested a list of Aboriginal communities to consult with. This is
  further described in Section 4.1. A copy of the letter sent to MOE is provided in Appendix F2.
- On May 4, 2010, Hatch sent the Notice of Proposal to Engage in a Renewable Energy Project and Public Meeting to the MOE [Kingston District Office and Director of the Environmental Assessment and Approvals Branch (EAAB)], as noted on the stakeholder mailing list in Appendix A.
- On January 13, 2011, the Proponent and Hatch met with the MOE's Kingston District Office to discuss potential groundwater issues, monitoring and mitigation requirements. MOE provided a suggested monitoring program to RE Smiths Falls 1 ULC on February 4, 2011 (Appendix F2).







These monitoring measures have been documented in the Construction Plan Report and Design and Operations Report.

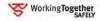
- On April 7, 2011 RE Smiths Falls 1 ULC sent correspondence to the MOE confirming their intent
  to implement MOE's recommendations for well water testing in the area near Smiths Falls where
  the Project is proposed.
- On April 18, 2011 MOE (Kingston District Office and Director of the EAAB) were sent the Notice of Final Public Meeting (see mailing addresses in Stakeholder Mailing list in Appendix A).
- Periodic verbal communications with members of the MOE EAAB to clarify specific aspects and requirements of the REA Regulation and process. These questions were not specifically related to the RE Smiths Falls 1 Solar Project, but the answers provided by MOE were used as guidance during the REA process for the Project.

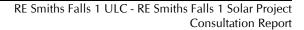
#### 3.1.3 Ontario Ministry of Natural Resources

- On February 24, 2010 a meeting was held with staff from the MNR Kemptville District office, to discuss the six solar projects being proposed by Recurrent Energy in the Kemptville district area, one of which was the RE Smiths Falls 1 Solar Project. With respect to the RE Smiths Falls 1 Project, MNR noted that the Project area overlaps Black Creek Provincially Significant Wetland (PSW). RE Smiths Falls 1 ULC indicated that no encroachment to the wetland would be necessary. Additional information regarding the PSW is included in the Natural Heritage Assessment Reports. MNR also noted potential concerns with potential adverse effects on fish spawning and movement due to the proposed project (additional information is provided in the Water Body Assessment reports additional correspondence with MNR on this topic is included in Appendix F3). MNR indicated that a Species at Risk investigation would still need to be conducted. Minutes of the meeting are included in Appendix F3.
- On July 7, 2010 MNR provided the results of their review of the Smiths Falls 1 area and identified potential natural resource and natural heritage values that should be considered.
- On August 10, 2010 Hatch submitted to the MNR Draft Natural Heritage Assessment (NHA)
  documents for the project, including Natural Heritage Records Review, Site Investigations and
  Evaluation of Significance Reports, and an Environmental Impact Study for the Project (as
  required by Sections 25, 26, 27, and 38 of O. Reg. 359/09).
- A meeting with MNR Kemptville District was held on October 5, 2010 to discuss the NHA
  reports, at which time some information on significance of woodlands was provided and
  additional comments were made.
- MNR and Hatch continued correspondence regarding the NHA and several revisions to reports were made at MNR's request. Copies of correspondence are included in Appendix F3.
- MNR provided their Confirmation Letter confirming that the NHA reports meet the REA Regulation requirements on April 4, 2011. This is included in Appendix F3.

#### 3.1.4 Ontario Ministry of Tourism and Culture

 Hatch submitted an Archaeological Assessment Report entitled 'Archaeological Assessment (Stages 1 & 2), RE Smiths Falls 1, Part Lots 2 and 3, Concession 2, Rideau Lakes Township,







United Counties of Leeds and Grenville, Ontario, prepared by Mayer Heritage Consultants Inc. on April 8, 2011.

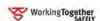
- On September 13, 2010 the MTC responded that the archaeological assessment undertaken for the Project complies with the Ontario Heritage Act's licensing requirements, including the license terms and conditions and the Ministry's 1993 Archaeological Assessment Technical Guidelines. This letter is included in Appendix F4.
- The Stage 2 Archaeological Assessment Report concluded that six locations, all containing Euro-Canadian artifacts, were recorded during the survey. Of these, additional assessment or mitigative measures are only warranted for Location 1 as it represents a potentially significant Euro-Canadian homestead site.
- A Stage 3 Archaeological Assessment on the RE Smiths Falls 1 project location was submitted to
  the MTC on January 28, 2011. The assessment concluded that Location 1 is not considered to
  represent a significant archaeological resource or planning concern, and that no outstanding
  archaeological planning concerns remain. MTC provided a letter on April 12, 2011 indicating
  that they had reviewed the Stage 3 report and accepted it into the Provincial Register.

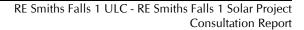
#### 3.1.5 Rideau Valley Conservation Authority

- On February 25, 2010 Hatch submitted a property inquiry request to the Rideau Valley
  Conservation Authority (RVCA) requesting information on natural heritage, water body and
  regulated area features on and within 120 m of the Project location. A copy of the email request
  sent to RVCA is provided in Appendix F5.
- The property inquiry letter was received on March 29, 2010 from the RVCA. Several natural heritage features, including the Otter Creek Provincially Significant Wetland (PSW) were noted on the property and within 120 m of the Project location. RVCA indicated that a permit would be required if the Project is within the Regulated Area within 120 m from the Otter Creek PSW or if any alterations to a watercourse were necessary (e.g., channelizing or installation of a water crossing structure). The RVCA also indicated that shorelines on the property are classified as largemouth bass and northern pike spawning areas and recommend a 30 m vegetated buffer from the water to prevent erosion, sedimentation and to protect the aquatic environment. A copy of the RVCA letter is provided in Appendix F5.
- The Draft REA reports for the Project were sent to the RVCA on April 27, 2011 for review.
- The RVCA provided comments on the Draft REA reports on June 20, 2011 with respect to watercourses, wetlands, natural hazards, watercourse crossings, stormwater management and Groundwater, aquatic habitat and fish. See Table 3.1 for specific comments from the RVCA and the proposed response from RE Smiths Falls 1 ULC. RE Smiths Falls 1 ULC is committed to obtaining permits from the RVCA as necessary.

#### 3.1.6 Township of Rideau Lakes

 On March 15, 2010 the Draft Project Description Report and Municipal Consultation Form were sent to the Township of Rideau Lakes by email. Part A of the form was completed by RE Smiths Falls 1 ULC as required by the REA Regulation. A copy of the email is included in Appendix G. This was provided more than 90 days prior to the final public meeting.



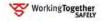




- On March 30, 2010, RE Smiths Falls 1 ULC and Hatch attended a meeting with staff from the Township to discuss the two proposed solar projects in the Township, including the RE Smiths Falls 1 Solar Project. Minutes of the meeting are provided in Appendix G.
- On April 7, 2010 an updated Draft Project Description Report was provided to the Township via email. Appendix G contains a copy of the email.
- On May 5, 2010 Hatch sent the Notice of Proposal to Engage in a Renewable Energy Project and Public Meeting to the Township of Rideau Lakes Clerk and planning department.
- On June 11, 2010 consultation with the Rideau Lakes Municipal Heritage Advisory Committee (MHAC) pertinent to potential heritage resources in the vicinity of the Project concluded that within 500 m of the Project, no properties have been designated by the Township of Rideau Lakes under the Heritage Act nor are there any properties listed as sites of heritage significance.
- On April 18, 2011 the draft project documents were submitted to the Township for their review and consideration, and to assist in completion of the Municipal Consultation Form. This letter is included in Appendix G.
- The Township of Rideau Lakes provided the completed Municipal Consultation Form on June 27, 2011. Table 3.2 identifies the comments made by the Township and the responses from RE Smiths Falls 1 ULC. The Township of Rideau Lakes Council has also adopted a resolution with expected conditions of the project (See Appendix G). These conditions (listed in Table 3.3) form the basis of the Township's comments about this project.

#### 3.1.7 United Counties of Leeds and Grenville

- On March 15, 2010 the Draft Project Description Report and Municipal Consultation Form for the Project were sent to the United Counties of Leeds and Grenville by email. Part A of the form was completed by RE Smiths Falls 1 ULC as required by the REA Regulation. A copy of the email is included in Appendix G. This was provided more than 90 days prior to the final public meeting.
- On March 29, 2010, Recurrent Energy and Hatch attended a meeting with planning staff from the United Counties of Leeds and Grenville, to discuss the two proposed solar projects in the County, including the RE Smiths Falls 1 Solar Project. Minutes of the Meeting are provided in Appendix G. No comments or concerns specific to the RE Smiths Falls 1 Solar Project were provided by the County at the meeting. Hatch also discussed the Municipal Consultation Form, as per O. Reg. 359/09 Section 18(1), previously sent with Part A completed by Hatch, and requested the County complete Section B of the Form.
- On April 7, 2010 an updated Draft Project Description Report was provided to the County via email. Appendix G contains a copy of the email.
- On May 5, 2010, Hatch sent the Notice of Proposal to Engage in a Renewable Energy Project and Public Meeting to the United Counties of Leeds and Grenville.
- On April 18, 2011 the draft project documents were submitted to the County for their review and consideration, and to assist in completion of the Municipal Consultation Form. This letter is included in Appendix G.





• The United Counties of Leeds and Grenville provided the completed Municipal Consultation Form on May 17, 2011. Table 3.4 identifies the comments made by the County and the responses from RE Smiths Falls 1 ULC.

### 3.2 Agency Comments and Concerns

Agency comments and concerns are included in Tables 3.1, 3.2, 3.3 and 3.4, which also indicate how the Project and/or document were modified to meet the agency comments/concerns. Correspondence with the Agencies is included in Appendix F.

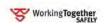


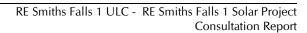






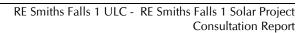
 Table 3.1
 Comments/Concerns from the Rideau Valley Conservation Authority

Category of			Amendments to Project or Project Reports
Comment or Concern	Comment or Concern	Response	Amendments to Project or Project Reports
	hority Regulation	Кезропас	
	The Rideau Valley Conservation Authority administers Ontario Regulation 174/06 "Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation" under Section 28 of the Conservation Authorities Act. This regulation affects the property in the following manner:	Comment noted. RE Smiths Falls 1 ULC is committed to obtaining any permits necessary from the RVCA.	n/a
	<ul> <li>Any alteration, straightening, changing, diverting or interfering in any way with any watercourse requires the prior written approval from the Conservation Authority.</li> </ul>		
	<ul> <li>Any development within the 120 m adjacent lands to the PSW and within the PSW required the written approval of the Conservation Authority.</li> </ul>		
	Any development within the 1:100 year floodplain of the Rideau River requires the prior written approval of the Conservation Authority.		
Watercourses/We	tlands		
	The Draft Water Body Site Investigations Report has identified Otter Creek and three tributaries (A,B,C) on the subject property. The report also has identified the average normal high water mark for each watercourse. According to the Draft reports a 30m buffer from all development will be provided from all watercourses. This is in accordance with RVCA recommendations. However, within the 30m buffer it is proposed to construct stormwater conveyance measures consisting of multiple off-take ditches that will be connected to Tributary A. Flow dissipation measures will be installed in these off-take ditches to temporarily retain runoff and reduce velocities. From the Conservation Authority's perspective, the preferable approach would be to terminate the off-take ditches at the 30m buffer line beyond which flows would be directed to the watercourse via overland flow. This would eliminate the need for the excavation of multiple ditches through the buffer.	RE Smiths Falls 1 ULC will attempt to terminate the off-take ditches at the 30 m buffer line and channel the flow overland. If this is not possible, RE Smith Falls 1 ULC will review deviations with the RVCA.	n/a
	The report has also indicated that it is anticipated that annual mowing may be required within 30m of the PSW complex. It is the Conservation Authorities Opinion that the 30m buffer should remain in its natural state to afford some protection to the PSW Complex.	RE Smiths Falls 1 ULC agrees maintain the 30 m buffers in their natural state.	n/a
	The Otter Creek Provincially Significant Wetland has been identified south on the Project site. The Draft Natural Heritage Evaluation of Significance Report has included the evaluation of wetlands on the central portion of the subject property and the northwest corner of the subject property. The evaluation on the wetlands was carried out by Natural Resource Solutions Inc. The report concludes that:		
	"the wetlands found in the central and northwestern portions of the project		





Category of Comment or			Amendments to Project or Project Reports
Concern	Comment or Concern	Response	Amendments to Project of Project Reports
333333	location drain south and southwest towards Otter Creek PSW. Both areas are within the 70 m distance required for complexing. As such, both of these areas, as well as the wetlands in the southern part of the site would logically be part of the Otter Creek PSW."	поролос	
	As such the reports indicate that all of the wetland features identified in the NRSI report will be protected from any development. The RVCA agrees with this approach.		
	According to the reports, there is no proposed setback from Otter Creek PSW located to the south of the project location. However the reports also indicate that there will only be two small areas of the wetland community located immediately adjacent to long term components of the Project site and that majority of the long term project components will be up to 50 metres away from the PSW. Based on the mapping accompanying the report, it is unclear as to where these two location are. Clarification is required.	The two locations where the wetland is immediately adjacent to long-term Project components (i.e., not including the temporary construction laydown area) are shown on Figure 1.1 in the Natural Heritage Environmental Impact Study. These areas include the very southwestern corner of the Project location, and the southeastern corner adjacent to the temporary laydown area. Buffers are provided from the wetland in all other areas of the Project location.	n/a
atural Hazards			
	A portion of the Project site is located within the 1:100 year floodplain of the Rideau River (identified as 108,2 metres geodetic). The reports illustrate a proposed "Temporary Construction Laydown Area" within the floodplain. In accordance with Provincial Policy the RVCA recommends that the application be revised so that there is no site alteration, temporary or permanent within the floodplain.	RE Smiths Falls 1 ULC has proposed a project design where all permanent project fixtures will remain outside of the floodplain. The area of the project within the floodplain is small, approximately 7 acres, would only be utilized during the few months of construction, and afterwards would be returned to its original use. Any impacts on this area would be negligible. RE Smiths Falls 1 ULC will continue work with the RVCA to obtain a permit to authorize the temporary use of this area.	n/a
/atercourse Cros	sings		
	According to the reports, the existing farmer's access road crosses watercourse A on the east side of the Project site. In order to facilitate heavy equipment access to the southern section of the Project site, the report concludes that a distribution line crossing structure may require upgrading. The report also concludes that a distribution line crossing Watercourse A will be required to electrically connect the portion of the facility south of the watercourse to the substation north of the watercourse. It should be noted that any upgrading to the water crossing structure and the crossing for the distribution line will require the prior written approval from the RVCA under Ontario Regulation 174/06 pursuant to s.28 of the Conservation Authorities Act.  The following reports were reviewed by Jennifer Lamoureux, RVCA Aquatic and Fish Habitat Biologist from the aquatic and fish habitat perspective:  -"Re Smiths Falls 1 solar Project – DRAFT Water Body Site Investigations Report" dated April 8, 2011 prepared by HATCH.  -"Re Smiths Falls 1 Solar Project – DRAFT Water Body Records Review Report" dated April 8, 2011 prepared by HATCH  -"Re Smiths Falls 1 Solar Project – DRAFT Water Body Environmental Impact	RE Smiths Falls 1 ULC is committed to obtaining the written approval from the RVCA for upgrading of the access road water crossing and the distribution line crossing.	n/a

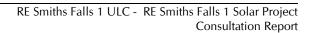




Category of			
Comment or			Amendments to Project or Project Reports
Concern	Comment or Concern	Response	
	-"Re Smiths Falls 1 Solar Project – DRAFT Construction Plan Report" dated April		
	8, 2011 prepared by HATCH		
	The review provides comments that need to be considered during the design		
	stages of the project and should not be considered final section 35 Fisheries Act		
	review (please see memo dated June 9, 2011).		
tormwater Mana		<u>l</u>	
torrivater mana	According to the DRAFT Waterbodies Environmental Impact Study, the small	Current stormwater flow measurements are based on conservative estimates from	n/a
	amount of impervious surfaces as a result of the project will result in an	early stage designs. The project's final design is to utilize the existing topsoil and	
	approximate increase of 6.4% in total peak flow and 3.6% increase in total	plant native grasses throughout the facility. It is anticipated there will be very little	
	volume of stormwater generated from the Project site. We note that this increase	change in stormwater drainage patterns. A more detailed storm water volume	
	is contrary to the 2003 Ministry of Environment Stormwater Management	analysis will be performed as project nears final design completion.	
	Planning and Design Manual which clearly states:		
	"Generally, accepted criteria are that maximum peak flow rates must not exceed		
	pre-development values for storms with return periods ranging from 2 to 100		
	years".		
	Therefore the stormwater management for the Project site should be revised to		
	conform to the 2003 MOE Stormwater Management Planning and Design		
_	Manual.		
Groundwater			T .
	The report concludes that an estimated 10,000L/d will be drawn from the well	Comment noted.	n/a
	and used for dust control and other construction purposes and will not exceed		
	45,000 L/d. The report also notes that should dewatering be required as a result		
	from open excavations, groundwater will be pumped out of the excavation,		
	treated, if required as a result from open excavations, groundwater will be		
	pumped out of the excavation, treated, if required to meet MOE water quality discharge criteria, and discharged to a vegetated buffer area. It should be noted		
	that should the dewatering as a result of excavation exceed 50,000L/d it will		
	require a Permit to Take Water from the Ontario Ministry of Environment.		
Fish Habitat	require a remnit to take water from the Ontario Ministry of Environment.		
1311 Habitat	Fish habitat is defined by the Fisheries Act as "Spawning grounds and nursery,	The Water Body Records Review Report has been revised to include the fish	Water Body Records Review Revised.
	rearing, food supply, migration and any other areas on which fish depend directly	community information provided by RVCA.	Water body Records Review Revised.
	or indirectly in order to carry out their life processes". The fish habitat status for	Community information provided by RVC/1.	
	the watercourses within the study area consists of direct fish habitat. Fish Habitat		
	conditions range from moderate community within the Otter Creek subwatershed		
	and is based on survey work carried out by Aquatic Habitat Monitoring staff at		
	RVCA. This information should be included in Section 2.4 Conservation		
	Authority Records.		
	It is understood that as part of the proposed undertaking there are new water	The comments provided by RVCA will be considered during the detailed design	n/a.
	crossings proposed. The following information should be considered during the	stage of the water crossing. This design information will be documented in the	
	design stages of the new water crossings.	application for a permit from the RVCA and will ultimately have to meet RVCA	
	New Water Crossing Considerations (An authorization for the harmful alteration,	requirements before issuance of a permit.	
	disruption or destruction of fish habitat will not be required for new water		
	crossing installations on fish habitat provided the following criteria can be met):		
	No channel realignment is required.		
	No infilling on moderately important fish habitat (e.g. pike spawning		
	habitat, floodplain fish passage use).		



Category of		
Comment or		Amendments to Project or Project Reports
Concern	Comment or Concern	Response
	Water crossing spans bankfull width including the placement of	
	abutments, footings or armouring.	
	<ul> <li>Stream dynamics are not destabilized by the crossing.</li> </ul>	
	Fish passage is maintained during operation and life of the water	
	crossing as per fisheries management objectives.	
	Water crossing Modifications – Extensions (An authorization for the harmful	
	alteration, disruption or destruction of fish habitat will not be required in	
	instances where existing water crossing extensions will be extended with a similar	
	design or better and all if the following criteria can be met):	
	The extension does not require channel realignment.	
	The extension does not result in an infill.	
1	The footprint of the project is not placed on important habitat or areas of	
I	groundwater upwelling.	
1	The extension does not impede fish passage (e.g. velocity barrier due to	
	crossing length) as per fisheries management objectives.	
	The extension does not cause destabilization of the upstream or	
	downstream channel.	
	Additional Mitigation Measures:	
	Water crossings should be backfilled with substrate material that is consistent with existing substrate size and texture found within the	
	watercourses and will remain in/under the crossing.	
	Embed water crossings as appropriate to ensure fish passage and channel	
	crossing stability.	
	<ul> <li>Fish passage should be maintained through the water crossing at high</li> </ul>	
	and low flows.	
	<ul> <li>The natural stream gradient should be maintained upstream,</li> </ul>	
	downstream, and through the water crossing.	
	Fish passage is maintained during operation and life of the water	
	crossing as per fisheries management activities.	
	It is understood that details regarding crossing type is not finalized.	
	The general mitigation measures detailed in Section 4.2.1.5 Access Road and	
	Water Crossing Construction listed in the Environmental Impact Study report are	
	standard mitigation measures we would ask for in the permit. However, final	
	construction phase mitigation measures will be further developed at the	
	permitting stage as we will required detailed design information for the proposed	
	water crossings in order to develop and implement appropriate mitigation.	
	Fish habitat of this location is considered to be "Type 1 enhanced" (80% TSS	
	removal) with cool and warm water top predators and forage fish present in the	
	Otter Creek and tributary systems as identified in the consultant's report. The	
	following is an excerpt from the MOE storm water manual in section 3.3.1.1:	
	Section 3.3.1.1 Level of Protection	
	Enhanced Protection	
	Enhanced protection or greater should be used when sensitive aquatic habitat	
ı	will be impacted by end-of-pipe discharge. Generally this will include receiving	
	waters that have aguatic communities that have adapted to a low suspended	





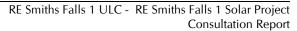
Category of Comment or Concern	Comment or Concern	Response	Amendments to Project or Project Reports
	<ul> <li>solids environment. Conditions where a minimum of enhanced protection should be used include: <ul> <li>Areas with high permeability soils (i.e. Soil Conservation Services (SCS) hydrologic classes A and B) conductive to infiltration resulting in low suspended solids loadings from the pre development site;</li> <li>Habitat sensitive to sedimentation and siltation (such as gravel bottom used for bass or brook trout spawning);</li> <li>High baseflow discharge areas (such as groundwater upwellings important to brook trout);</li> <li>Low upstream sediment loads resulting in clear surface water important to maintaining habitat for sight feeding fish species (such as bass, northern pike, lake trout, and brook trout); and</li> <li>Low pre development erosion characteristics (such as dense vegetation, or erosion resistant soils).</li> </ul> </li></ul>		
	As noted in Section 4.4.1 Water Crossing Upgrading a permit will be required under Section 28 of the Conservation Authorities Act. Further Fisheries Act review will be required for the proposed water crossings along with other modifications to Otter Creek and the tributary distribution line crossing. Detail design mitigation and construction phase mitigation will be required to mitigate impacts to fish habitat.  The appropriate setback for the watercourses on the subject property is a 30m no touch zone along the banks in order to improve water quality conditions, protect aquatic habitat and maintain riparian terrestrial functions.	As discussed in the Waterbodies Environmental Impact Study, the 30-m setback will be respected.	n/a





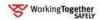
 Table 3.2
 Township of Rideau Lakes Municipal Consultation Form Comments and Responses

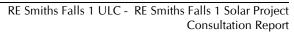
	Township of Rideau Lakes Comment	RE Smiths Falls 1 ULC's Response
Section 5.1	1 - Project Location	
Provide co	mment on the project location with respect to infrastructure and servicing.	
0	See resolution adopted by township Council. The Township expects that an agreement will be entered into with the company prior to an Entrance Permit being granted to the Township road ([Eric Hutcheson] Road) to cover the full cost of impacts to the Township road infrastructure.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. RE Smiths Falls 1 ULC is committed to submitting all the required information for securing necessary permits, including Entrance permits prior to construction.
ection 5.2	2 – Project Roads	
Provide co	mment on the proposed project's plans respecting proposed road access.	
0	See resolution adopted by township Council. The Township expects that an agreement will be entered into with the company prior to an Entrance Permit being granted to the Township road (Eric Hutcheson Road) to cover the full cost of impacts to the Township road infrastructure. Eric Hutcheson Road is a basic municipal road not meant to withstand an 8 month construction project with thousands of large truck trips. The Township expects as part of the Agreement to be fully reimbursed to impacts on the Township road network. This Agreement shall also include details about entrance size and location and construction management requirements.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. RE Smiths Falls 1 ULC is committed to submitting all the required information for securing necessary permits, including Entrance permits prior to construction.
dentify an	y issues and provide recommendations with respect to road access.	
0	See above.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. RE Smiths Falls 1 ULC is committed to submitting all the required information for securing necessary permits, including Entrance permits prior to construction.





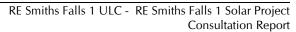
Township of Rideau Lakes Comment	RE Smiths Falls 1 ULC's Response
o See above.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. Prior to construction RE Smiths Falls 1 ULC shall provide township with a Traffic Management Plan for its review and comment.
dentify any issues and recommendations with respect to the proposed Traffic Manag	ement Plans.
Caralana.	Control of DE Control of LUI Control of the Control
o See above.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. Prior to construction RE Smiths Falls 1 ULC shall provide township with a Traffic Management Plan for its review and comment.
Section 5.3 – Municipal or Local authority Service Connections	
o N/A	N/A
o N/A  dentify any issues and provide recommendations with respect to the type of municip	•
	•
dentify any issues and provide recommendations with respect to the type of municip	al service connections, other than roads.
dentify any issues and provide recommendations with respect to the type of municipo	al service connections, other than roads.  N/A







	Township of Rideau Lakes Comment	RE Smiths Falls 1 ULC's Response
0	See attached resolution of Council. The Township expects that all internal access roads will be constructed to the satisfaction of the Fire Chief with regards to its construction standards for access, turning radii, width, etc.	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. RE Smiths Falls 1 ULC has reviewed the Fire Protection Guidelines used by the Fire Department to guide road construction on private properties provided by the township in an email from Sheldon Laidman, Manager of Development Services on April 15, 2011, and has agreed to adhere to these guidelines
Identify any	y issues and recommendations with respect to the proposed emergency ma	nagement procedures / safety protocols.
0	See above.	See above.
	y issues and recommendations with respect to any Easements or Restrictive	·
0	N/A 5 - Project Construction	N/A
	y issues and recommendations with respect to the proposed rehabilitation of a structure that could be damaged during construction.  See comments regarding road impacts.	RE Smiths Falls 1 ULC will abide by all applicable by-laws, laws, and regulations with respect to road use, including axle load restrictions and "frost laws"
Identify any sanitary sev	y issues and recommendations with respect to the proposed location of firewers.	hydrants and connections to existing drainage, water works and
0	See attached resolution of Council. The Township expects that all adjacent and nearby wells will be evaluated prior to construction and that monitoring will be required during construction to ensure that wells	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. The proposed well monitoring program is documented in the Construction Plan Report and will be implemented in accordance





Township of Rideau Lakes Comment	RE Smiths Falls 1 ULC's Response
Identify any issues and recommendations with respect to the proposed location of but	ried kiosks and above-grade utility vaults.
o No Comment	N/A
Identify any issues and recommendations with respect to the proposed location of exi	sting and proposed gas and electricity lines and connections.
<ul> <li>See attached resolution of Council. The Township expects that the hydro connection line to the road will be buried to reduce the visual impact of the project.</li> </ul>	See below for RE Smiths Falls 1 ULC's responses to the Council resolution. The project substation will be located near Eric Hutcheson Road and will be connecting to existing above ground lines along the road. The connection to the Hydro One distribution feeder will be above ground, but short, and will have a minimal negative visual impact.
Provide comment on the proposed project plans with respect to Building Code permi	ts and licences.
o The Township expects that all structures will receive building permits as required under the Ontario Building Code and that payments will be submitted for any fees associated with other Acts such as the Development Charges Act as may be required by Township Bylaw.	RE Smiths Falls 1 ULC is committed to obtaining all applicable building permits necessary from the Township.
Identify any issues and recommendations related to the identification of any significan	nt natural features and water bodies within the municipality or territory.
o The Township expects that all construction will respect the 120m setback from wetlands and the 30m municipal zoning setback from all water courses. The Township is particularly concerned about drainage and run off impacts into the Otter Creek wetland from such a large scale construction project.	As documented in the water body assessment reports, a 30-m setback will be retained from the average annual high water mark of all water bodies, with the exception of the access road upgrading, which necessarily, must occur within the immediate area of the watercourse. The Natural Heritage Assessment reports have assessed the potential adverse effects and mitigation requirements with respect to the Project location being within 120 m of the PSW and determined that there will be no significant adverse effects. MNR is in agreement with this. Mitigation and monitoring measures specified within the NHA will ensure that significant effects on wetlands will be prevented.



Township of Rideau Lakes Comment	RE Smiths Falls 1 ULC's Response
Identify any issues and recommendations related to the identification of any archaeolo	ogical resource or heritage resource.
o N/A	N/A





Table 3.3 Township of Rideau Lakes Adopted Resolution and Recommended Conditions of Approval

Recommended Conditions of Approval	Response	Amendments to Project or Project Reports
That the Council of the Corporation of the Township of Rideau Lakes herel Province with the following expectations and comments:	by directs that the municipal consultation form	
1.That the property has been designated in the Township Official Plan as prime agricultural land where development is not permitted. The Township requests that the Province confirm that this is not prime agricultural land as defined by Section 2.3 of the PPS where this section further states that permitted uses are to only be agricultural uses and agricultural related uses.	As shown in Figure 2 of the Project Description Report for RE Smiths Falls 1, the site consists of soils with a Canadian Land Inventory designation as Class 3 soil or poorer. These soil are permitted for use by solar projects.	n/a
2. That the project shall not negatively impact the Township of Rideau Lakes' adjacent road network. That prior to construction an entrance agreement will be required to be entered into with the Township of Rideau Lakes which will include provisions for traffic management, repairs and maintenance to Eric Hutcheson Road, and road access location.	The traffic generated by the construction work proposed by RE Smiths Falls 1 ULC is not unlike any other such work in the municipality. It is expected that the impact on municipal roads will be minimal.	
	Since municipalities have the sole responsibility of repair and maintenance of public roads, it would be inappropriate for RE Smiths Falls 1 ULC to enter into any such agreement requested by the municipality. RE Smiths Falls 1 ULC will abide by all applicable by-laws, laws, and regulations with respect to road use, including axle load restrictions and "frost laws".	
3. That all temporary parking areas established for construction employees shall be returned to their original condition.	RE Smiths Falls 1 ULC is committed to returning the temporary parking areas to their original use following completion of construction.	





Recommended Conditions of Approval	Response	Amendments to Project or Project Reports
4. That full spectrum baseline water testing of adjacent wells be conducted prior to construction commencing. For the purposes of this condition, adjacent wells would be defined as all wells within 300 m of the subject property.	RE Smiths Falls 1 ULC will be implementing a well water quality monitoring program, as described in the Construction Plan Report and will include adjacent wells within 500 m of the Project location, per MOE's suggested protocol.	
5. That a landscaping plan be submitted for Township review. The landscaping plan is expected to include provisions to buffer the facility from views from the adjacent Township road and the adjacent dwellings. At a minimum, the existing vegetation along the periphery of the subject property should be maintained.	A landscaping plan will be submitted to the Township for review during the detailed design process.	
6. That it is expected that drilling and construction will be conducted as per the Township's Noise Bylaw.	RE Smiths Falls 1 ULC will comply with the Township's Noise By-law.	
7. That all internal roads shall be constructed to a standard acceptable to the Fire Chief. At a minimum the roads shall be constructed with adequate material to withstand the weight of the Township's heaviest fire truck, constructed to allow for the turning radii of the largest fire truck, and allow for the proper turnaround of fire vehicles on site.	RE Smiths Falls 1 ULC has reviewed the Fire Protection Guidelines used by the Fire Department to guide road construction on private properties provided by the township in an email from Sheldon Laidman, Manager of Development Services on April 15, 2011, and has agreed to adhere to these guidelines.	
8. That the 44kw line extending from the substation to hydro lines along Eric Hutcheson Road be buried to reduce the visual impact to the neighbouring properties across the road.	The project substation will be located near Eric Hutcheson Road and will be connecting to existing above ground lines along the road. The connection to the Hydro One distribution feeder will be above ground, but short, and will have a minimal negative visual impact.	





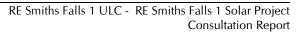
Recommended Conditions of Approval	Response	Amendments to Project or Project Reports
9. That a drainage plan shall be provided to the Township and reviewed by the RVCA to ensure that drainage is properly attenuated and will not impact the Otter Creek Wetland or the water quality of Otter Creek.	RE Smiths Fall 1 ULC will provide a Township a copy of the final project drainage plan.	





#### Table 3.4 United Counties of Leeds and Grenville Municipal Consultation Form Comments and Responses

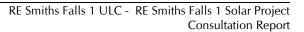
United Counties of Leeds and Grenville Comment	RE Smiths Falls 1 ULC's Response
Section 5.1 – Project Location	
Provide comment on the project location with respect to infrastructure and servicing.	
o No Comment	N/A
Section 5.2 – Project Roads	
Provide comment on the proposed project's plans respecting proposed road access.	
<ul> <li>Project is to be accessed from Eric Hutchison Rd (Twp. Of Rideau Lakes) which connects to County Road 17 in the east and County Road 29 in the west. County Road 17 is subject to spring load restrictions (March- May)</li> </ul>	RE Smiths Falls 1 ULC will comply with county half load restrictions.
Identify any issues and provide recommendations with respect to road access.	
o No Comment	N/A
Please provide comment on any proposed Traffic Management Plans.	
o No Comment	N/A
Identify any issues and recommendations with respect to the proposed Traffic Manage	ement Plans.
o No Comment	N/A
Section 5.3 – Municipal or Local authority Service Connections	•
Provide comment on the proposed project plans related to the location of and type of	municipal service connections, other than roads.
o No Comment	N/A





United Counties of Leeds and Grenville Comment	RE Smiths Falls 1 ULC's Response
Identify any issues and provide recommendations with respect to the type of mu	unicipal service connections, other than roads.
o No Comment	N/A
Section 5.4 – Facility Other	
Identify any issues or recommendations with respect to the proposed landscapin	ng design for the facility.
o No Comment	N/A
Provide comment on the proposed project plans for emergency management pr	ocedures / safety protocols.
o No Comment	N/A
Identify any issues and recommendations with respect to the proposed emergen	ncy management procedures / safety protocols.
o No Comment	N/A
Identify any issues and recommendations with respect to any Easements or Rest	crictive Covenants associated with the Project location.
o No Comment	N/A
Section 5.5 – Project Construction	·
Identify any issues and recommendations with respect to the proposed rehabilit authority infrastructure that could be damaged during construction.	ation of any temporary disturbance areas and any municipal or local
o No Comment	N/A
Identify any issues and recommendations with respect to the proposed location sanitary sewers.	of fire hydrants and connections to existing drainage, water works and
o No Comment	N/A







United Counties of Leeds and Grenville Comment	RE Smiths Falls 1 ULC's Response		
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults.			
o No Comment	N/A		
Identify any issues and recommendations with respect to the proposed location of exist	sting and proposed gas and electricity lines and connections.		
o No Comment	N/A		
Provide comment on the proposed project plans with respect to Building Code permits and licences.			
o No Comment	N/A		
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.			
o No Comment	N/A		
Identify any issues and recommendations related to the identification of any archaeological resource or heritage resource.			
o No Comment	N/A		





### 4. Consultation with Aboriginal Communities

It is the Crown's fiduciary obligation to conduct meaningful consultation in good faith with Aboriginal communities. The Crown has delegated some of the consultation to the proponent of renewable energy projects as per O. Reg. 359/09. Pursuant to O. Reg. 359/09, Project proponents are required to engage meaningfully with Aboriginal groups regarding traditional ecological knowledge, traditional land use, land claims and other interests and issues with respect to the development of the Project.

It is noted that at the time of submittal of this report, MOE stated that an Aboriginal consultation document, titled "Aboriginal Consultation Guide for Renewable Energy Projects governed under O. Reg. 359/09: Aboriginal Consultation Guide" was being drafted to be released at a later date, but was not currently publicly available. As a result, the "Technical Bulletin Five - Guidance for Preparing the Consultation Report" (MOE, 2010) was used as a reference for meeting Aboriginal consultation requirements.

The following provides information related to the Aboriginal consultation completed for the Project.

#### 4.1 Aboriginal Communities Consultation List

On December 22, 2009, RE Smiths Falls 1 ULC provided the MOE with the draft Project Description Report and requested a list of Aboriginal communities to consult with. This letter was included in the draft Project Description Report, and is included in Appendix F2. As per O. Reg. 359/09, the submission of the draft Project Description Report is required in order for the MOE to provide a list of the Aboriginal communities that the Proponent is to consult with.

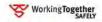
On July 5, 2010 MOE provided the list of Aboriginal communities to consult with, and this list is contained in Appendix H.

However, due to the length of time it took to receive the MOE list and therefore potential Project delays, Aboriginal communities within a 100-km radius of the Project were identified by Hatch in order to commence with the consultation. Appendix I contains a list of Aboriginal communities developed by Hatch. These Aboriginal communities were sent a copy of the Notice of Proposal to Engage in a Renewable Energy Project and Notice of Public Meeting on May 4, 2010. The letters sent to these communities are included in Appendix J.

There were three Aboriginal communities contained on MOE's list that were not on the Proponent/Hatch list. Since these communities could not be notified at least 30 days in advance of the first public meeting (which was held on June 10, 2010, prior to receipt of the MOE list) a repeat of the first public meeting was held specifically for these communities. A letter was sent directly to these three communities informing them of the date and location of the repeat of the first public meeting. Additional information is provided in Section 4.2.1. Appendix J contains copies of the letters that were sent, Notices, and display boards present at this repeat first public meeting.

#### 4.1.1 Summary of Aboriginal Communities Consulted

A summary of Aboriginal communities consulted, and the distribution of Project Reports and Notices are contained in Table 4.1.





**Table 4.1 Summary of Aboriginal Communities Consulted** 

Aboriginal Community/Group	Notice of Proposal and First Public Meeting	Notice of Proposal and First Public Meeting - Repeat	Summaries and Project Reports	Notice of Final Public Meeting
The Algonquins of Ontario Consultation Office	√		V	V
Mohawks of the Bay of Quinte	$\sqrt{}$		$\sqrt{}$	V
Mohawk Council of Akwesasne	$\sqrt{}$		$\sqrt{}$	V
Algonquins of Pikwakanagan	$\checkmark$		$\sqrt{}$	V
Alderville First Nation		V	√	V
Métis Nation of Ontario		V	$\sqrt{}$	V
Ottawa Regional Métis Council				$\sqrt{}$

#### 4.2 Consultation Activities

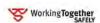
#### 4.2.1 First Public Meetings

The combined Notice of Proposal to Engage in a Project and Notice of a Public Meeting was sent to the Aboriginal communities in the list prepared by the Proponent/Hatch on May 4, 2010. This Notice also appeared in the Mohawks of Akwesasne: *Indian Time* newspaper, having circulation throughout their territory, on May 6, 2010. Tear sheets for this publication are provided in Appendix B. With the Notice, a letter was included which, as per O. Reg. 359/09, requested written information regarding any potential impact and possible mitigating measures for any potentially impacted treaty or constitutional protected lands. Appendix J contains copies of the letters sent to each community.

The draft PDR was made available for Aboriginal review on the Project's website, and at the Township of Rideau Lakes municipal office, 30 days prior to the meeting. Paper copies of the draft PDR were made available for review at the event. Further information was provided in the display boards at the first public meeting. Appendix C contains a copy of the display boards, and sign-in sheets. Section 2.3.1 above provides additional information on the initial first public meeting. No individuals that attended the first public meeting specifically identified themselves as being from one of the Aboriginal communities that was notified of the meeting.

On August 19, 2010, Hatch sent a letter to the three Aboriginal communities on MOE's list that were not on Hatch's original list of Aboriginal communities to consult with. This letter included the Notice of a Proposal and Notice of a Public Meeting, and encouraged Aboriginal communities to submit their written comments or questions about the proposed project. Appendix J contains copies of the letters and Notice.

Because these three Aboriginal communities were not identified in time for the initial first public meeting on June 10, 2010, Hatch organized an additional meeting for these three Aboriginal communities. This additional first public meeting occurred on Wednesday, September 22, 2010, from 6:00 p.m. to 8:00 p.m., at the South Elmsley Municipal Complex 441 Highway 15, Rideau Lakes, Ontario. Appendix J contains a copy of the sign in sheet and public meeting display boards. At the meeting, no one identified themselves as being from an Aboriginal community.





#### 4.2.2 Final Public Meeting and Notices

On April 18, 2011, after all Project documents were drafted and letters of confirmation were received from MNR and MTC, Aboriginal communities on the MOE and Hatch consultation lists were sent summaries of all reports and copies of all draft Project Reports, as required under the REA Regulation. A letter notifying the community regarding the final public meeting and a copy of the notice was included in the package of summaries and draft reports that was sent to all Aboriginal communities identified on the MOE list and the Proponent/Hatch list. Appendix J contains the letters and Notice. In addition, the notice appeared in Indian Time on April 21, 2011 and May 19, 2011. Tear sheets are provided in Appendix B.

On several occasions in June and July 2011, Hatch phoned all Aboriginal communities that were sent copies of the REA documents for review to confirm receipt of the documents, identify if there were any questions that could be answered and confirm if the Aboriginal community planned on submitting comments on the REA documents. Results of those discussions are described in Table 4.2.

Sections 2.3.2 and 2.3.3 above provide the details of the additional first public meeting on September 22, 2010 and the final public meeting on June 23, 2011. No individuals that attended either of these meetings identified themselves as being from Aboriginal communities. Appendixes C and D contain the sign-in sheets for these meetings.

#### 4.3 Other Aboriginal Consultation Activities

The details of additional communications and activities for each Aboriginal community are contained in Table 4.2.





**Table 4.2 Details of Additional Consultation Activities** 

Community / Group	Details of Additional Consultation Activities
The Algonquins of Ontario Consultation Office	<ul> <li>Messages left with Consultation Office on June 1 and July 4, 2011.</li> <li>No response received.</li> </ul>
Mohawks of the Bay of Quinte	<ul> <li>Messages left with Ms. Kristen Maracle (Environmental Technical Services Officer) on May 25 and July 4, 2011. No response received.</li> </ul>
Mohawk Council of Akwesasne	Mr. Vuk Kovinich confirmed on May 26, 2011 that the REA documents had been received and that there were no concerns with the Project and that no comments would be submitted.
Algonquins of Pikwakanagan	Messages left with Ms. Alana Hine (Assistant to the Chief) on June 1 and July 4, 2011. No response received.
Alderville First Nation	<ul> <li>Hatch spoke with Mr. Dave Simpson (Lands and Resources Coordinator) on June 1. Mr. Simpson was going to confirm if the documents had been received and if they had been reviewed and was going to respond back to Hatch. No response was received.</li> <li>Hatch spoke with Mr. Dave Simpson (Lands and Resources Coordinator) on July 4, 2011. Mr. Simpson was going to confirm if the documents had been received and if they had been reviewed and was going to respond back to Hatch if they had any questions or comments. No response was received.</li> </ul>
Métis Nation of Ontario	RE Smiths Falls 1 ULC and Hatch met with representatives from the
Ottawa Regional Métis Council	Métis Nation of Ontario, Ottawa Regional Métis Council and Seven Rivers Métis Council to discuss the proposed Project on June 5, 2011 in Ottawa, ON. Information regarding the Project, Project proponent, the REA process and potential impacts of the proposed Project were provided to the Métis. The Métis indicated they would be reviewing the information provided and preparing a response for RE Smiths Falls 1 ULC identifying if they had any concerns with the proposed Project. This response had not been provided at the time of writing of this Consultation Report.

### 4.4 Aboriginal Comments and Concerns

RE Smiths Falls 1 ULC supports the use of traditional Aboriginal knowledge and through this consultation process aims to provide a method to incorporate this knowledge and to address any comments or concerns about the Project from the Aboriginal perspective. No specific Aboriginal concerns remain outstanding following the consultation conducted to date.

#### 5. Conclusions

Since May 2010, the stakeholder engagement program for the RE Smiths Falls 1 Solar Project has been active. There has been open dialogue with the public, agencies, Aboriginal groups and the local municipalities regarding the Project. In addition to communications via letters, meetings, email and phone calls, there were two public meetings hosted by the Proponent to further encourage discussion and comment on the Project. The purpose of this Consultation Report is to ensure a transparent and meaningful consultation process for all participants with an interest in the Project, where all comments and questions received are documented, reviewed and addressed.

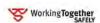




As a result of these opportunities for comment, several issues were raised that have been considered as part of the Project assessment, and provided additional guidance towards the scope of the studies. These issues were considered and incorporated into the REA application documents, as appropriate.

### 6. References

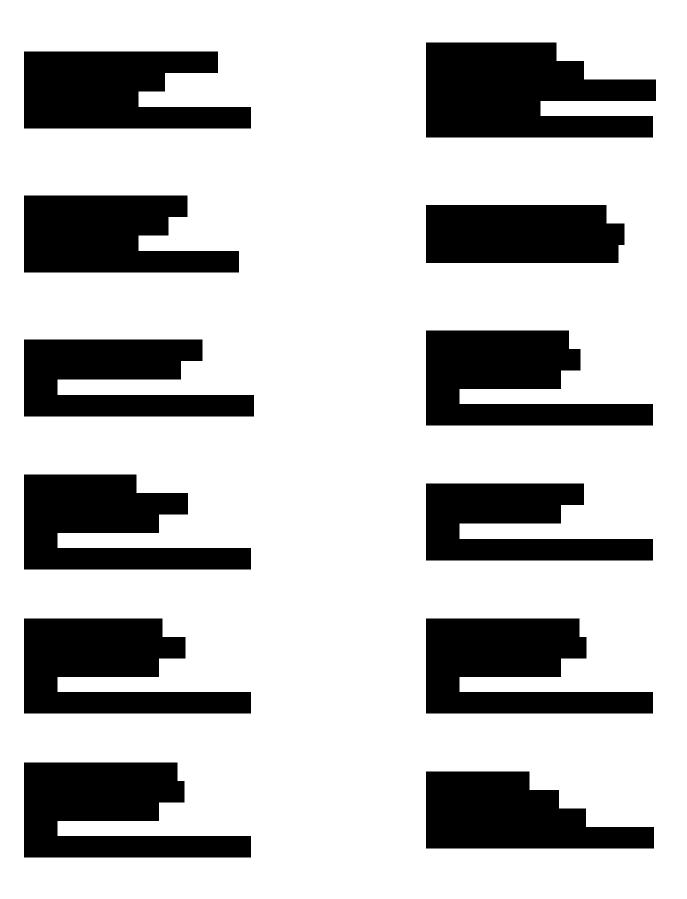
Ministry of the Environment (MOE). 2010. Technical Bulletin Five Guidance for Preparing the Consultation Report. Draft – March 1, 2010.



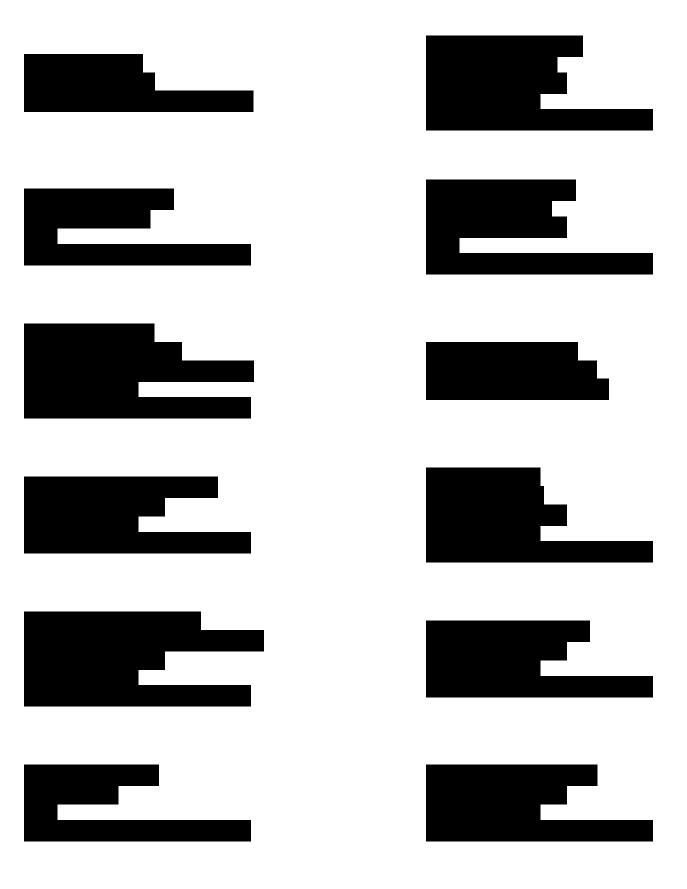


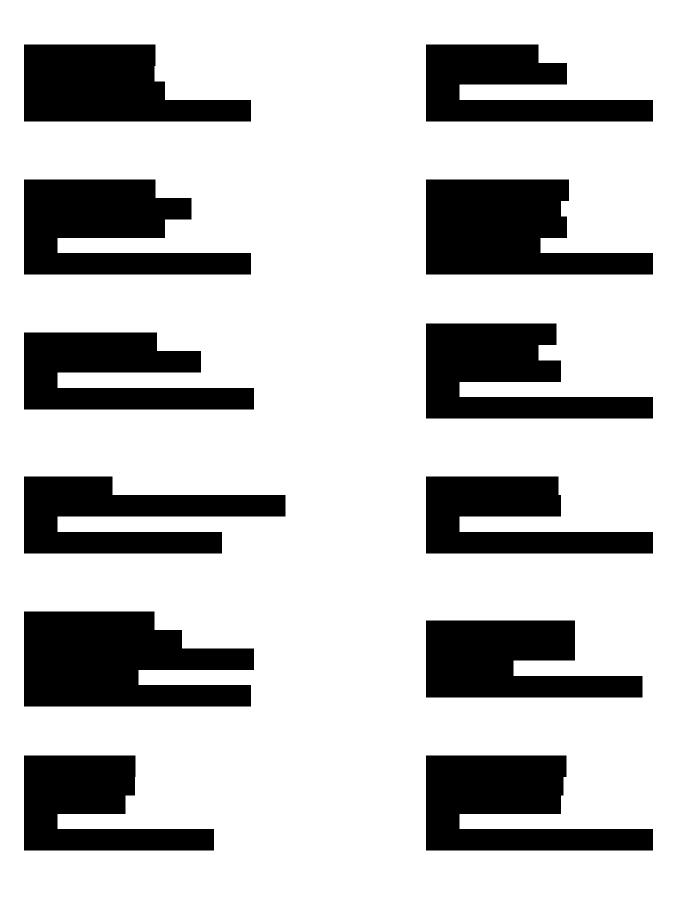
## Appendix A Public Stakeholders List

Name	Address	City	Province	Postal Code

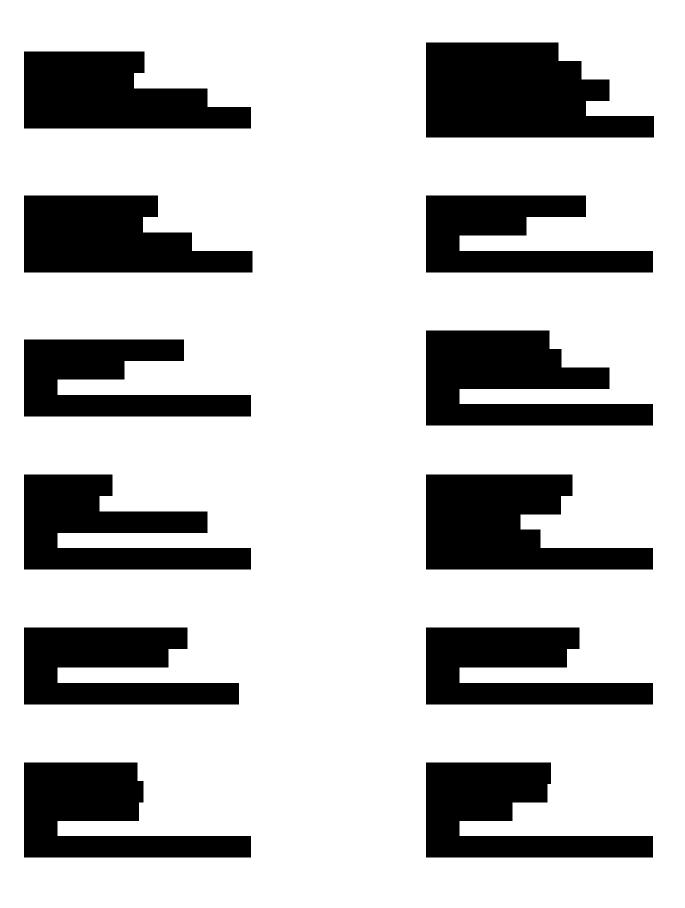


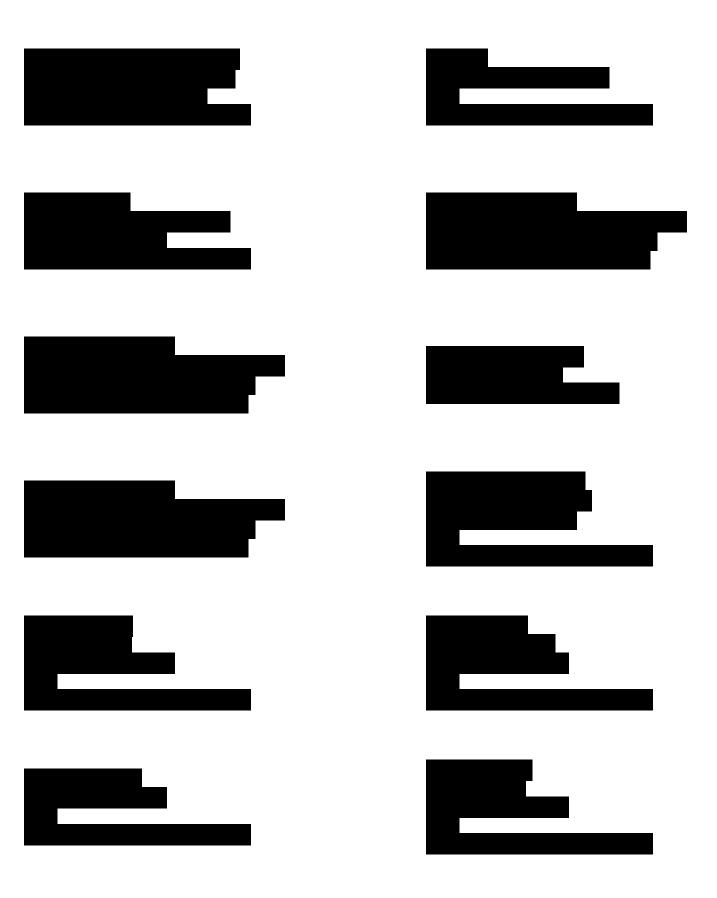






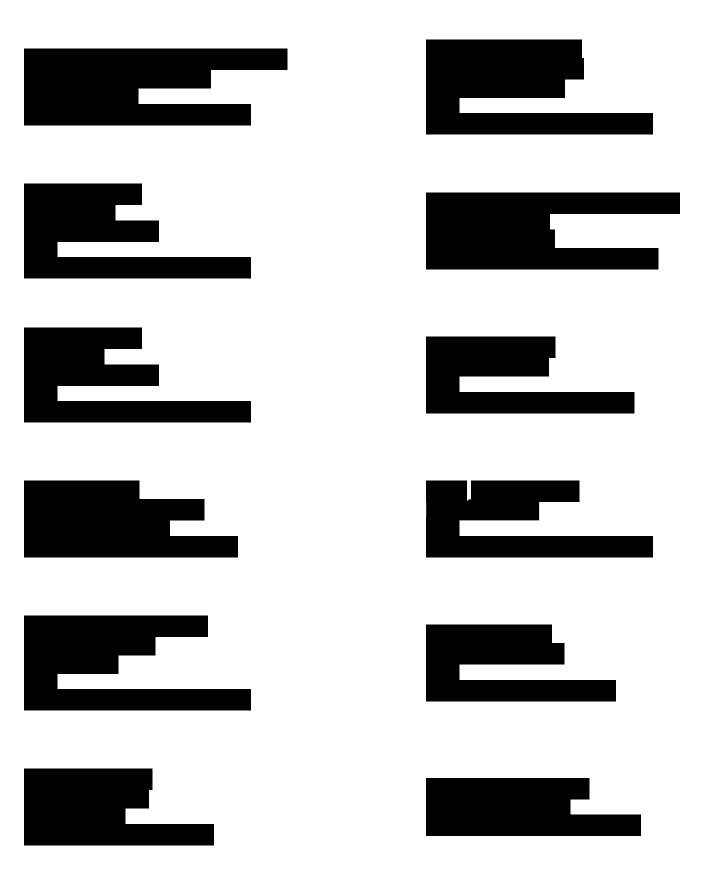


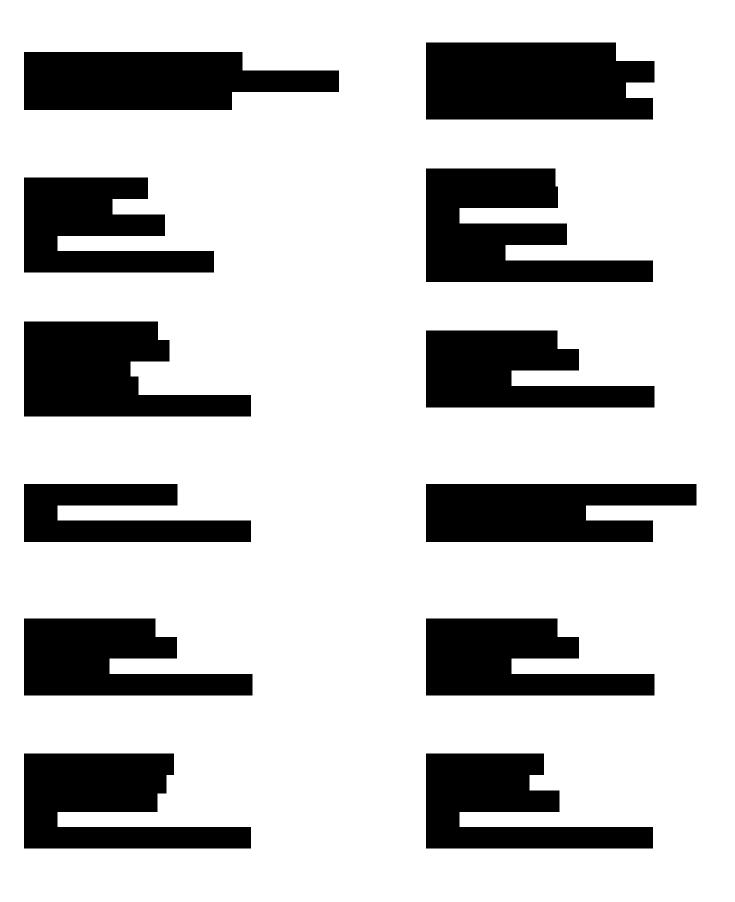


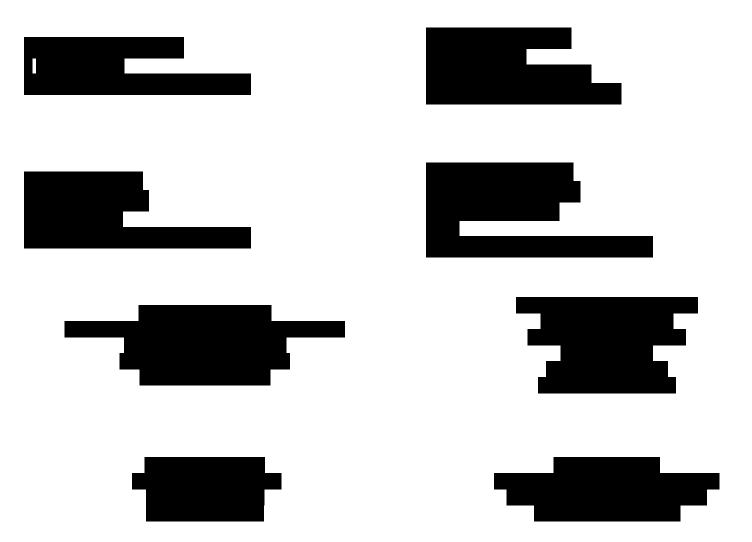














# Appendix B Notices and Sample Letters





May 4, 2010

«Name\_» «Address\_» «City\_»,«Province\_» «Postal Code»

Subject: Notice of a Proposal and Notice of Public Meeting Recurrent Energy - Solar Project: RE Smiths Falls 1

Recurrent Energy is providing you with this notice to make you aware of the upcoming Public Consultation meeting where you can learn more about this project and Recurrent Energy.

Recurrent Energy is proposing to construct a solar project within the Township of Rideau Lakes called RE Smiths Falls 1. The proposed project will have an installed capacity of 10 MW. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

In accordance with Section 15 of O. Reg. 359/09, a Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting has been prepared and a copy is enclosed.

As per Section 17 (1) of O. Reg. 359/09, the draft Project Description Report and further information about the project and about Recurrent Energy can be found online at: <a href="www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>, and at local municipal offices. Your comments, queries or information relevant to the proposed project would be greatly appreciated.

Correspondence should be directed to:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, L2E 7J7

Phone: 905-374-0701, Ext 5318 Fax: 905-374-1157

Email: karnold@hatch.ca

Yours truly,

**A**.

Kimberley Arnold, BSc, MES ka:srg Attachment – Notice of PIC Smiths Falls 1 and 6

cc: David Brochu, Recurrent Energy Sean Caffyn, Recurrent Energy Bob Leah, Recurrent Energy



#### **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two Renewable Energy Projects

#### AND NOTICE OF PUBLIC MEETING

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Smiths Falls.

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Project Name: RE Smiths Falls 6
Project Applicant: RE Smiths Falls 6 ULC

Project Location: The project is located on Kitley South Elmsley Townline

Road, southeast of Smiths Falls.

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Recurrent Energy is planning to engage in two renewable energy projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these projects and the projects themselves are subject to the provisions of the *Environmental Protection Act (ACT)* Part V.O.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment

#### Meeting Location:

Date: Thursday, June 10, 2010 Time: 6:00pm to 9:00 pm

Place: South Elmsley Municipal Complex, 441 Highway 15, Rideau Lakes

#### **Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project locations are described in the maps to the right.

The Draft Project Description Reports titled *Project Description Report RE Smiths Falls 1 Solar Project*; and *Project Description Report RE Smiths Falls 6 Solar Project* described the projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports are being made available for public inspection on at www.ontariosolarfuture.ca, and at local municipal offices.

#### **Project Contacts and Information:**

To learn more about the project proposals, public meetings, or to communicate concerns please contact:

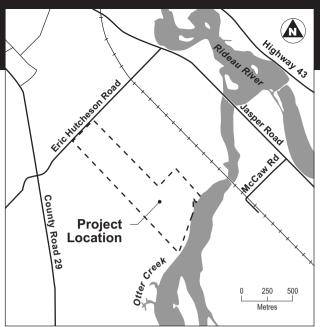
Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power Hatch I td

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Fxt 5318 Fax: 905-374-1157

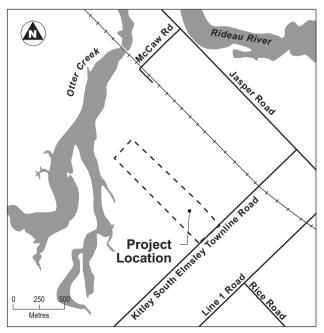
Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca



Project Name: RE Smiths Falls 1

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.



Project Name: RE Smiths Falls 6

**Project Location:** The project is located on Kitley South Elmsley Townline Road, southeast of Smiths Falls.

# SFDCI students do their part for the environment

By RYLAND COYNE

EMC News - Students at Smiths Falls District Collegiate Institute did their part to 'Pitch-in' for their community.

As part of Earth Week activities, about 15 members of the school's Environmental Club spent much of the day April 22, walking the school grounds collecting trash. What they found, teacher Shelley Hagan says, would surprise.

By the end of the day, the small mountain of items included a life preserver, rusted out clothes dryer, television, old turntable, tires, chairs, golf clubs, tennis racquet, suitcase as well as 22 bags of litter and another nine bags of recyclables.

"It's a good haul," she

The Pitch-In initiative was part of a full week of activities co-ordinated by



Members of the SFDCI Environmental Club pose next to their 'haul' following their Pitch-In day initiative April 22. Shown here are Clare Taylor, Blair Kerr, Stacey Sargent and Emily Beke. The students and other club members spent the better part of the day combing the school property, collecting 22 bags of trash, another nine bags of recyclables as well as a wide assortment of larger items.

had seen a presentation on a game of 'Eco Survivor'. fun 'Recycle Top Model'

the club. That Monday waste reduction as well as The week also included a

dressing up in outfits made of recycled material; litterless lunch; a game of Eco Jeopardy; 'No Photocopy Day'; and a Lights Out initiative for Period 5 on the Friday, part of what Hagan calls the school's monthly Earth Hour.

The club also instituted a garbage and recycling audit which produced some encouraging results, the teacher says.

"It's very, very good," Hagan said, noting less than five per cent of recyclables have been found in the school's garbage bins.

#### Going for gold

The active club was largely responsible for SFDCI receiving a silver certification as part of the Ontario Eco Schools program a year ago. It's the club's efforts in raising awareness throughout the school and getting more and more students and teachers involved in

which involved students different initiatives that's earned them that recogni-

> In a bid to boost that to gold, the club will undertake a school yard greening project, Hagan says. Having received a \$1,000 grant, and with assistance from Gemmell's Garden Centre in Montague Township, the school's wood tech department will construct a trellis to be placed in the side yard this month.

"It will serve as a shaded area for students," Hagan explained.

It's hoped that, once completed, the school will qualify for a gold certificate when this initiative is combined with all the other projects undertaken by the students and staff throughout the year.

Hagan commends the members of the club whom she describes as "very devot-

# Giant Tiger Chairman and CEO Gordon Reid gets Lifetime Achievement Award

EMC Business - Retail Council of Canada (RCC) recently announced Gordon Reid, Chairman and CEO of Giant Tiger Stores Limited, as the recipient of the 2010 Retail Lifetime Achievement Award. The award will be presented to Reid at RCC's Gala dinner on May 31 as part of the association's national STORE conference in Toronto.

Reid was selected for the award by a distinguished panel of retail executives, as well as representatives from the financial, academic and consulting communities.

"Gordon is a man of

vision who has forged a company with a familybased culture," says Diane Brisebois, President and CEO, Retail Council of Canada. "His honesty, integrity and common sense approach to business has gained the respect of his employees, suppliers and other leaders in the business community. He is a remarkable Canadian success."

Reid founded Giant Tiger in 1961 and began franchising in 1968. The company now boasts over \$1 billion in annual sales from 193 franchised stores that employ more than 7,000 associates across Canada. Under Reid's

leadership, Giant Tiger has also become a communityminded organization that donates more the \$2 million annually to more than 700 local associations from coast-to-coast.

The Retail Lifetime Achievement Award recognizes retailers who dedicate their lives to the betterment of retail in Canada. Nominees have no less than 25 years of consecutive service at an executive position in the retail sector.

Reid joins a notable list of past winners,

including Réjean Dionne, President of ALDO Groupe (2009), Walter Hachborn, Home Hardware Stores Ltd. (2007); Herschel Segal, Le Chateau Inc. (2006); Richard J. Currie, Loblaw Companies. Ltd. (2005); Thomas J. Bata and

**Project** 

Location

Project Name: RE Smiths Falls 1

Sonja I. Bata of Bata Shoe Organization (2003); and Harry Rosen of Harry Rosen Inc. (2001).

For more information about STORE 2010 -Canada's Retail Conference, visit: www.storeconference.

### **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two Renewable Energy Projects

### AND NOTICE OF PUBLIC MEETING

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Project Name: RE Smiths Falls 6

Project Applicant: RE Smiths Falls 6 ULC

Project Location: The project is located on Kitley South Elmsley Townline Road, southeast of Smiths Falls

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Recurrent Energy is planning to engage in two renewable energy projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these projects and the projects themselves are subject to the provisions of the Environmental Protection Act (ACT) Part V.O.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

**Meeting Location:** 

Date: Thursday, June 10, 2010 Time: 6:00pm to 9:00 pm

Place: South Elmsley Municipal Complex,

441 Highway 15, Rideau Lakes

Project Description:

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project locations are described in the maps to the right.

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**Project Contacts and Information:** 

To learn more about the project proposals, public meetings, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca

**Project** Location

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls

Project Name: RE Smiths Falls 6

Project Location: The project is located on Kitley South Elmsley Townline Road, southeast

## Are you concerned about the misuse of drugs and alcohol in our community? **TOGETHER** We Can Make A Difference Prevention Enforcement Harm Reduction Treatment The Lanark County & Town of Smiths Falls Municipal Drug Strategy Committee invites you to our Third Network Day Topic: Harm Reduction Friday, May 14, 2010

8:30am-1:00pm

Beckwith Township Hall, 1702 - 9th Line Beckwith

### Guest Speakers

Jennifer Barr

- Centre for Addiction and Mental Health (CAMH)

Michelle deJonge

- Leeds, Grenville & Lanark District Health Unit

John McTavish and Jessica Lyons

- HIV/AIDS Regional Services (HARS)

### This education day is open to:

- · Municipal leaders
- Service providers
- · Enforcement officers

- All youth and adults who may be concerned and
  - Light lunch provided.

No charge to attend, but to assist with planning, please RSVP to Bonnie Schnittker by May 10th, 2010 at Bonnie.Schnittker@healthunit.org or 613-283-2740

THE RECORD NEWS EMC - SF12 - Thursday, May 6, 2010

## **Tom Longboat Run**

Tom Longboat Run held at AMS on Tuesday May 4, 2010. Results were the following:

#### Head start

- 1. Keegan Delormier
- 2. Alexander Thompson
- 3. Aliyah Point
- 4. Drey Thompson
- 5. Karennahawi Barnes
- 6. Meesha Sylvester

#### K4 Boys

- 1. Jack Martin
- 2. Terrence Edwards-Square
- 3. Carsten Mitchell
- 4. Thoren Edwards-Square
- 5. Benjamin Bush
- 6. Dale Thompson

#### K5 Boys

- 1. Richard Thompson
- 2 .Merrick Tyo
- 3. Andyn Bero
- 4. Quest Thompson
- 5. Jace Jock
- 6. Ouinton Johnson

#### K4 Girls

- 1.Shayna Johnson
- 2. Bo David

- 3. Brianna Steeprock
- 4. Kevelin Papineau
- 5. Keely Bora
- 6.Dannalee Thompson

#### K5 Girls

- 1. Navvielle Hall
- 2. Asia Thompson
- 3. Persephone Gray
- 4. Riana White
- 5. Kanakwinetha Lazore
- 6. Kanehratentha Williams

#### G3 Boys

- 1. Brandon Thompson
- 2. Francis Tarbell
- 3. Skylar Mason
- 4. Jimmy Jock
- 5. Jimmy Delormier
- 6. Skylar David

#### G3 Girls

- 1. Tyra Johnson
- 2. Haiden Oakes Benedict
- 3. Mallory Sunday
- 4. Rachel Wolphagen
- 5. Taurie White
- 6. Bailey Sylvester

#### G4 Girls

1. Angel Edwards Square

- 2. Mya Tarbell
- 3. Brooklyn Oakes-Benedict
- 4. Devyn Nicholas
- 5. Tahniah Cook-Square
- 6. Aaliyah King

#### G4 Boys

- 1. Oniehtase Laffin
- 2. Richard Jacobs
- 3. Gage King-Gorman
- 4. Darian Sharrow
- 5. Michael Cook
- 6. Kolten Oakes-Cook

#### G5 Boys

- 1. Tanner Tarbell
- 2. Tehatenonwaratens Thompson
- 3. Kobe Skidders
- 4. Kayden Cook-Jackson
- 5. Drake Adams
- 6. Evan Robinson Buckshot

#### G5 Girls

- 1. Chase Thompson
- 2. Taylene Hall
- 3. Ashawanna King-Square
- 4. Tatyana Papineau
- 5. Hailey Jacobs
- 6. Raylynn Sunday

### G6 Boys

- 1. Dalton Thomas
- 2. Thomas Thompson
- 3. Dante David
- 4. Sky Leaf
- 5. Montana Oakes-Jacobs
- 6. Taelor Jock

#### G6 Girls

- 1. Karakwakta Thompson
- 2. Aiden Francis-Forgues
- 3. Melinda Cook
- 4. Jade Benedict
- 5. Aryanna Jacobs
- 6. Danica Thompson-Lane



DON'T BE A STATISTIC...

**PROTECT YOUR PET!** 

Each year thousands of beloved pets

are lost with no means of reuniting

them with their families because

they have no identification. Make

tattoo or microchip, and enroll your

By enrolling in a national recovery

telephone number are linked to the

pet's unique identification number

For more information on how you

can stay connected with your best

friend for life, call 800-252-7894 or

visit www.akccar.org.

24 hours a day, 365 days a year.

service, your name, address, and

sure your pet has a collar tag,

pet in an experienced national

recovery service.

### **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two Renewable Energy Projects

### AND NOTICE OF PUBLIC MEETING

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Smiths Falls. Dated at the Township of Rideau Lakes this the 6th of May, 2010

Project Name: RE Smiths Falls 6

Project Applicant: RE Smiths Falls 6 ULC Project Location: The project is located on Kitley South Elmsley Townline

Road, southeast of Smiths Falls. Dated at the Township of Rideau Lakes this the 6th of May, 2010

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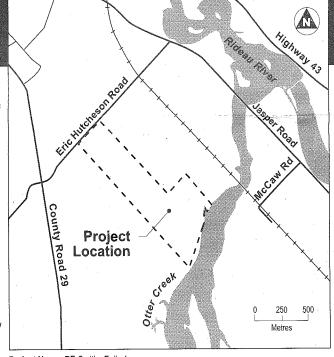
### Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power

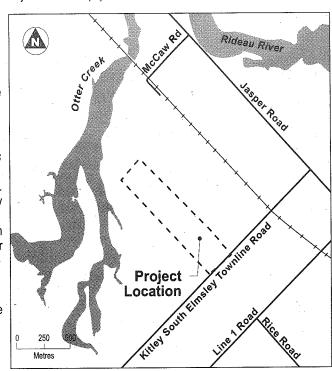
4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157

Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca



Project Name: RE Smiths Falls 1 Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.



Project Name: RE Smiths Falls 6 Project Location: The project is located on Kitley South Elmsley Townline Road, southeast





EMC Events – M&M Meat Shops held its 22nd annual Charity BBQ Day in support of the Crohn's and Colitis Foundation of Canada Saturday (May 8). Volunteers at the location in Smiths Falls - members of the local Lions Club - asked for a minimum donation of \$2.50 for a hamburger or hot dog, a drink and a bag of chips. The goal this year: raise \$2 million for Crohn's and Colitis research - nationally. Research shows Canada has among the highest incidence of Crohn's disease and ulcerative colitis (a painful and unpredictable disorder with no known cause or cure) in the world. Pictured, from left: Wilf Toop (president elect), Stan Suffel (president), Bob McCulla (director), Jim Williams (past president) and Elizabeth Suffel (secretary).

EMC photo by TARA GESNER

## **EASTERN ONTARIO DEVELOPMENT PROGRAM** ,.....

### > NOW ACCEPTING APPLICATIONS ◆ ------

LOCAL INITIATIVES PROGRAM

**BUSINESS PLANNING PROGRAM** 

SKILLS DEVELOPMENT PROGRAM

FAÇADE IMPROVEMENT LOANS

INNOVATION & INFORMATION COMMUNICATION TECHNOLOGY **PROGRAM** 

#### \*\* NEW PROGRAM FOR 2010\*\*

Small Business Internship Program

For full program details and application forms Visit Us At



613-283-7002 (Toll free 1-888-784-7605) www.valleycfdc.com

Canadä

## **LETTER**

#### •From pg. SF6

survived on my income. Last January because of poor circulation and open ulcers on my legs my doctor put me off work. He says I will never return to my job. We both filed for ODSP at this time. We survived on my short-term disability followed by sick benefits from EI. We were both denied from ODSP. We were forced to go to welfare. Through them we were allotted \$939 per month if we signed an agreement to pay back the money when and if we received a disability pension. Our rent is \$785 plus hydro.

Thank God for our wonderful, compassionate superintendent, Diane Gault and her amazing boss or we would be living in a dump if not a dumpster. We have a large outstanding amount of rent and knowing our circumstances they are being very patient.

We have a van which we almost lost a couple of times. We have paid on it for four years with only one more to go and we couldn't stand to lose it or have to live in it. We have borrowed money from everyone we know to get us this far and have promised repayments and payments in the event of this ever-evasive settlement from our disability pension.

My husband finally got a hearing to appeal their decision from CPP in February. We went there with the hope of finally getting relief. My husband happened to know one of the board members so the hearing had to be cancelled with the promise of a speedy rebooking. Three weeks later my husband called the CPP office and they had not even been notified that he needed a new hearing. I realize that they are busy and many people are applicants for disability and all are not truly disabled. I feel we have

been very patient but life is getting desperate.

I worked for 13 years at what I considered the best job in the world and loved being there. I was devastated by the fact that I couldn't return and now the government tells me that I haven't proven to be eligible for a disability pension.

Do they know what it's like not to be able to play with their grandchildren because of physical disabilities and then become so financially disabled that you can't afford to keep little treats in the cupboard that they are used to having? Do they know how it is not to be able to invite friends for a meal because it will leave you short for the week? Do they know how humiliating it is to stand in line for a turkey so you can have your children come for Christmas dinner? Do they know what it's like to feel so beaten that some days it's easier just to stay in bed or to listen to your spouse break down in sobs because he feels too useless to go on?

I am 48 and my husband is 45. We both worked all our lives and made pretty good incomes and paid into CPP. There is no doubt we satisfy the requirements but they make us suffer. Our kids are grown and gone. These are the days we thought we would enjoy with grandkids and friends and looking forward to retirement. We don't expect the government to give us our regular income but I didn't expect to live in fear of losing our vehicle, our home and our minds.

According to the website, our wonderful government will provide for us when we are ill or old but when in need, how low do we have to go to attain this supposed earned provision?

> Geraldine & John McDougall Smiths Falls, Ontario

### GET YOUR BLOOD PRESSURE IN CHECK Have your blood pressure checked regularly.

#### **THANK YOU**

Smiths Falls Knitting & Crochet Club would like to thank evervone who has donated yarn, needles & books to our club. With your help, we're helping others. Thank you from



### **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two **Renewable Energy Projects** 

### AND NOTICE OF PUBLIC MEETING

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Project Name: RE Smiths Falls 6

Project Applicant: RE Smiths Falls 6 ULC Project Location: The project is located on Kitley South Elmsley Townline

Road, southeast of Smiths Falls.

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Recurrent Energy is planning to engage in two renewable energy projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these projects and the projects themselves are subject to the provisions of the Environmental Protection Act (ACT) Part V.O.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

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Date: Thursday, June 10, 2010

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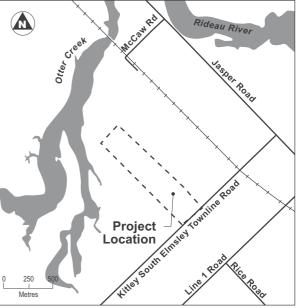
Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157

Email: karnold@hatch.ca Information is also available online at www.ontariosolarfuture.ca

**Project** Location 250

Project Name: RE Smiths Falls 1 Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls



Project Name: RF Smiths Falls 6

Project Location: The project is located on Kitley South Elmsley Townline Road, southeast





April 19, 2011

«Name\_» «Address\_» «City\_»,«Province\_» «Postal Code»

**Subject:** Notice of Final Public Meeting

RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

RE Smiths Falls 1 ULC is proposing to construct the RE Smiths Falls 1 Solar Project within the Township of Rideau Lakes. The proposed project will have an installed capacity of 10 MW. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. RE Smiths Falls 1 ULC has retained Hatch Ltd. to undertake the REA process.

RE Smiths Falls 1 ULC is providing you with this notice to make you aware of the upcoming Public Consultation meeting where you can learn more about this project and RE Smiths Falls 1 ULC.

In accordance with Section 15 of O. Reg. 359/09, a Notice of Public Meeting has been prepared and a copy is enclosed. The Notice will be posted in the Smiths Falls EMC on April 21, 2011 and again on May 19, 2011.

As per Section 17 (1) of O. Reg. 359/09, the draft copies of the supporting documents for the Project, including the Natural Heritage Assessment Reports, Water Body Assessment Reports, Construction Plan Report, Design and Operations Report, Decommissioning Plan Report, Noise Assessment Study and Stage 1 and 2 Archaeology Assessment Report are available for public review on-line at: <a href="www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>, and at the Township of Rideau Lakes municipal office. The information provided in these reports will be discussed during the Final Public Meeting on Thursday, June 23, 2011 at the Lombardy Agricultural Society Hall, 6 Kelly Road, Township of Rideau Lakes, Ontario. Your comments, queries or information relevant to the proposed Project would be greatly appreciated. Comments will be accepted until July 6, 2011.

Correspondence should be directed to:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power Hatch Ltd. 4342 Queen St., Suite 500

Niagara Falls, ON, L2E 7J7 Phone: 905-374-0701, Ext 5318

Fax: 905-374-1157 Email: karnold@hatch.ca

Yours truly,

Kimberley Arnold, BSc, MES

ka:mg

Attachment - Notice of Final Public Meeting - RE Smiths Falls 1





cc: David Brochu, RE Smiths Falls 1 ULC Sean Caffyn, RE Smiths Falls 1 ULC Bob Leah, RE Smiths Falls 1 ULC



### NOTICE OF FINAL PUBLIC MEETING

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.

Dated at the Township of Rideau Lakes this the 21st of April, 2011 RE Smiths Falls 1 ULC is planning to engage in a renewable energy project

in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format. **Meeting Location:** 

Date: Thursday, June 23, 2011 Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON

**Project Description:** Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location

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#### **Project Contacts and Information:**

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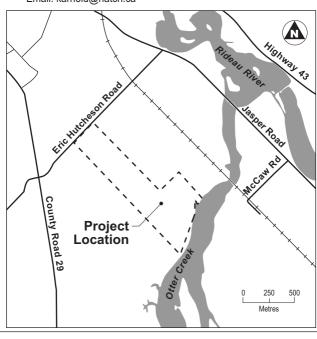
Manager - Environmental Services, Renewable Power

Hatch Ltd.

at the Township of Rideau Lakes municipal office.

Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7





# TOWN COUNCIL

The following information came from the special Committee of the Whole meeting and regular Council meetings held Monday, April 18, 2011.

## Councillors to learn more on refurbished fire truck

Fire Chief loci Corman received verbal support from councillors this week to move forward with an investigation into the potential interest the town would have in purchasing a second hand fire truck. This piece of equipment would mean \$600,000 in savings from a new vehicle, 15 years of working life and many of the benefits of the newer model. What it doesn't have is training for staff and full knowledge of its past life, which Chief Corman was asked to acquire this week. We do know it operated out of Michigan and is a 2002-2003 model. Should it be deemed of interest to the town, the chief will go to the United States to inspect the vehicle.

### Municipal lot created

Council approved entering into a three-year lease agreement with the owner of the parking lot located adjacent to the Pik A Pirra on Chambers Street. The lot will be used as a municipal lot for pass holders save. for three spots the current owner is retaining for his use. Elaine Mallory, director of administrative and planning services said the lot will need some upgrades, making the agreement a revenue neutral endeavour. There is a six month termination clause in the agreement.

### Coordinated volunteer service

Mayor Dennis Stuples noted in his report this week of the interest in town to create a coordinated volunteer services delivery response model in Smiths Falls. This model would be available to the 200 or more area organizations who currently utilize volunteers in their

"I think there is a real need for a more comprehensive approach to that," the mayor said.

## Pitch In registration a must

On the kick off day of this year's Pitch In program, Councillor Ken Graham reminded participants to register with the REAL organization at 613-283-9500. Registration allows organizers to know where the Pirch In bags are located for pick up. Otherwise all of the efforts can be left in the place where they were picked up only to be disbursed again-

### CDC marks 40 years

Plans to mark the Child Development Centre's 40th anniversary this year are underway. Details on plans are still being troned out, but the celebration will take place Sept. 15, 2011 at 5 p.m.

### MS awareness month

Mayor Dennis Staples proclaimed May 2011 as Multiple Sclerosis Awareness Month in Smiths Falls. The MS flag will be flying in front of Town Hall throughout the month to encourage people to support ongoing research. Carnations will be on sale throughout the town to support the foundation's efforts and

### DBA needs board members

Councillor Dawn Quinn invited all interested members of the community to consider joining the Downtown Business Association (DBA). Individuals who don't own a business can be spousored to sit on: the board by a downrown business. Anyone interested in sitting on the board is asked to call the DBA at 613-

## Acting deputy chief building official named

Erin Warson has been named the Acting Deputy Chief Building Official this week. She will be acting on behalf of the existing chief building official who is away from work for personal reasons and is expected to estore in late july:

5, 5

Big Brothers Big Sisters of Lengt Co.



**Smiths Falls Firefighters Association** 

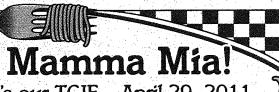
Fresh Bull Heads • Coleslaw **Baked Potato** Coffee & Tea • Cold Drinks (\$1) Friday, April 29, 2011 4 p.m. to 7 p.m.

> Smiths Falls Fire Hall (613) 283-5869

Adults \$12 • Children \$5 (under 12)

## Eat In, Take Out or Delivery

Tickets available at the Smiths Falls Fire Hall or from Fire Department Members.



It's our TGIF - April 29, 2011 Smiths Falls Legion

## "Italian Night"

Spaghetti, Caesar Salad, garlic bread, dessert \$12.00 per person

Doors Open: 5:00 p.m. Supper: 6:00 p.m.-7:00 p.m. Dance: 7:30 p.m.-11:00 p.m.

Live Music: Tom Valliquette

that was collected from the annual purse event held recently. Taking part in the presentation were (from left) Elizabeth Edwards (in front), Betty Fowlier and Jacqui Bowick-Sandor - BBBS board members, and Joy Franks (event coordinator). EMC photo by STACEY ROY

EMC News - Tammy Edwards (second from right) of Tammy's Nails presented Big Brothers Big Sisters of Lanark County April 14 with a \$5,695 cheque



*Brockville HQ - 613-499-2100* 

www.gordbrown.ca gordbrown@ripnet.com

Authorized by The Official Agent for Gord Brown Campaign



### **NOTICE OF FINAL PUBLIC MEETING**

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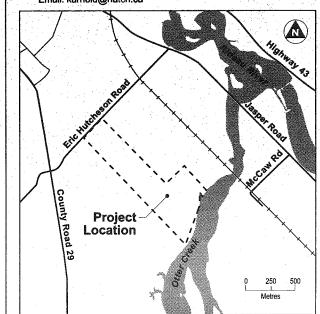
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Email: karnold@hatch.ca



# CONSUMER REPORT

# **Gardening Tools**

Here are some ideas to help you with your gardening, especially if you have problems with your back and joints. The items can be purchased by using your computer.

- 1. Pruning your trees; tired of aches and pains? Getting older and you still love working in your yard and lawns? Try the new Fiskars Pruner. The Fiskars Pruner has won an award from the Arthritis Foundation. It is very light weight and easy to use. Price: \$22.95 at amazon.com.
- 2. The right hand tools can make a big difference in how your green sore thumb becomes a healthy green thumb. The set includes a trowel, transplanter, weeder and cultivator. The tools feature padded handles and have a unique curved design that reduces stress on the hand and wrist. Cost is about \$30.00 at amazon com
- 3. A water conserving wand. This wand will make watering your garden so much easier. The wand attaches to your hose and reaches anywhere in your garden. No more bending or bringing hanging plants down to water. The wand has an easy on and off button. Price: \$25.95 at dripworksusa.com.
- 4. Relieve knee pain with attachable stretch knee pads. The kneelers are different from the usual kneelers that lay right on the ground. These kneelers at-

tach to your knees so that you don't have to continually move the kneelers as you move down the rows. These kneelers protect your knees from the ground so there is no pain. Price: \$19.99 at gardeners.com.

5. Deep-Seat Garden Kneeler; this garden kneeler is a great back pain saver. Why? This gardening tool is definitely for those people suffering from back problems. Gardeners Supply offers you a two-in-one kneeler. The kneeler has a soft surface for knees when weeding and its handles make it easy for you to push yourself up without standing. Another plus the kneeler can be used as a bench and very easily. Price: \$34.95 at gardeners.com.

Buying a used car: The best car buy around might not be a used car, but rather a new car. You ask yourself why? Industry experts are saying that recent models tend to hold their value and more so as a used vehicle. The car years 2008-2009 are still holding their value. Something to think about when looking for that used car.

Option: Look around to find the best banking loan rates. There are some good rates out there at this time and you could end up with a brand new car. Best bet: shop around, and do lots of research.

See you next week, happy Easter.

# **NEED PRINTING?**

Make Your Project Look Outstanding!

Business Cards • Letterhead • Wedding Invitations Raffle Tickets · Brochures · Posters · Flyers & More!

www.fasprint.com fasprint@fasprint.com





# IS YOUR SPRING SPRUNG? We'll Take Care of It

Garage Doors and Door Openers Service - Sales - Parts

GARAGE DOORS BY RAYNOR

Malone, NY 518-483-4125 Waddington, NY 800-772-9667



# **NOTICE OF FINAL PUBLIC MEETING**

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls. Dated at the Township of Rideau Lakes this the 21st of April, 2011

RE Smiths Falls 1 ULC is planning to engage in a renewable energy project in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format.

**Meeting Location:** 

Date: Thursday, June 23, 2011

Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON

**Project Description:** 

Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location is described in the map below.

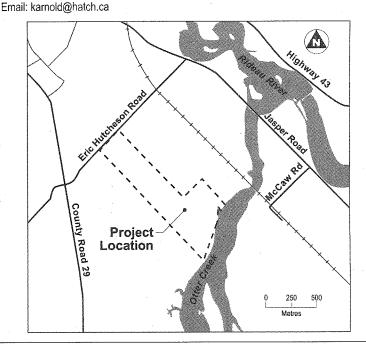
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Written copies of the draft supporting documents will also be made available for the public inspection on April 21, 2011 at www.ontariosolarfuture.ca, and at the Township of Rideau Lakes municipal office.

**Project Contacts and Information:** 

To learn more about the project proposal, public meeting, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES Manager - Environmental Services. Renewable Power Hatch Ltd. 4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157



# NEW ARRIVAL

# It's a girl!

Name: Tommie Lynn Sunday-Oakes Born: Thursday, March 31, 2011

Weight: 8.08 lbs Length: 20 ½ inches

Parents: Kierstyn M. Sunday and Charles T. Oakes

Grandparents: Tracey & Gordon Sunday, Shawn Laughing & the Late Charles (Terry) Oakes

Great Grandparents: Mary & the late Tom Mattice, Linda & Jimmy Sunday, Karen & Basil Tarbell, Annabelle & Levi Oakes



# **Galaxy Showtimes for Apr 22-23**

Arthur: 1:05 PM | 3:50 PM | 6:50 PM | 9:30 PM

HOP: 1:30 PM | 4:15 PM | 7:00 PM | 9:20 PM

Rio: 1:15 PM | 4:00 PM | 6:30 PM | 9:10 PM

Insidious: 3:55 PM | 7:05 PM | 9:35 PM

Scream 4: 1:25 PM | 4:05 PM | 7:10 PM | 9:50 PM

Soul Surfer: 1:20 PM | 4:10 PM | 7:15 PM | 9:45 PM

Water For Elephants: 1:00 PM | 3:45 PM | 6:40 PM | 19:40 PM

Note: Afternoon showtimes are for Saturday and Sunday only.

# piritual reader hosts summer readings at Davidson's Courtyard

STACEY ROY f Writer

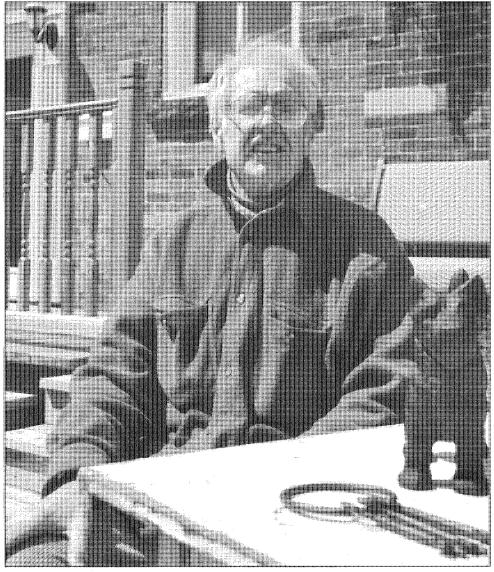
EMC Business - Do you e unanswered questions re curious about what lays our future? A new feature Davidson's Courtyard may o direct you toward the aners this summer.

for decades Garry Sauns has been offering his s to individuals wanting wers and direction in life. ginning May 21 from 10:30 . to 3 p.m. Saunders, who nown as 'The Wizard' will at the courtyard on Russell eet offering one-on-one lings.

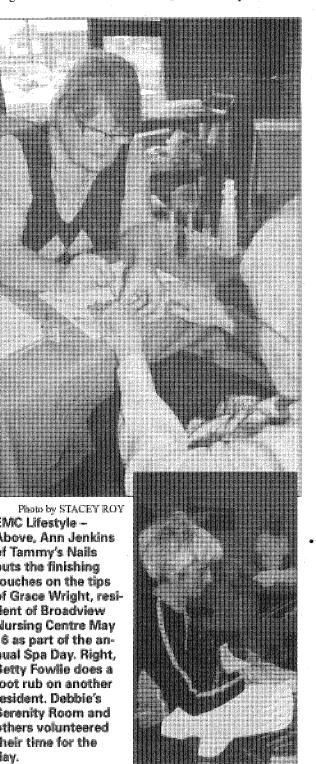
It's been life changing for ne people," Saunders said. He recalls one woman who ne to him carrying a huge den of guilt. She had left father in Hungary during revolution and couldn't give herself for not being e to get him out. The loved comforted his daughter ough Saunders.

When you know this innation it helps you to deal h the information," added sie Saunders, who works h her husband. "He's insted in helping people on

Everyone is welcome to ng their questions to the rtyard this summer. The ple plans to be there at st two Saturday's a month oughout the summer.



Beginning May 21, 10:30 a.m. to 3 p.m. Gerry Saunders of Elgin will be offering his spiritual reading services to the public a couple of Saturdays a month at Davidson's Courtyard on Russell Street.





The Corporation of the Township of Drummond/North Elmsley

#### PUBLIC NOTICE - BUDGET MEETING DATE

Council approval of the 2011 Budget and the adoption of the 201 Tax Rate By-law is scheduled to occur on May 24, 2011 commencing at 6:30 p.m.

#### TOWNSHIP OF ELIZABETHTOWN-KITLEY

#### **NOTICE OF TENDER**

2011-04 Road Work Contract PROJECT: Roadside mowing within the Township

2011-05 **Equipment Contact** PROJECT: To Supply a Tandem Diesel Cab and Chassis

2011-06 Road Work Contract PROJECT: Surface Treatment Kitley Line 3 Road

> 2011-07 Road Work Contract

PROJECT: Pulverizing, Supplying and Placing Granular "B" Quarried Source Limestone, Supplying and Placing Granular "A"
Quarried Source Limestone and Hot Mixing Paving on various Township Roads

Specifications and Tender forms may be obtained from:

Dale Kulp C.R.S.S., Director of Public Works 424 County Rd 29 Toledo ON KOE 1YO

> Township of Elizabethtown-Kitley 6544 New Dublin Rd. RR #2, Addison, ON KOE 1A0

Sealed tenders, clearly marked as to contents, will be received at the Township of Elizabethtown-Kitley New Dublin Office until Monday, May 30, 2011 at 4:00 p.m.

\*THE TOWNSHIP RESERVES THE RIGHT TO REFUSE ANY AND ALL TENDERS, THAT IN ITS SOLE DISCRETION, ARE NOT IN THE INTERST OF THE TOWNSHIP OF ELIZABETHTOWN/KITLEY. THE LOWEST OR ANY TENDER WILL NOT NECESSARILY BE ACCEPTED.\*

Saunders said he received his spiritual gift after his father died at the age of 20. During the readings Saunders likes people to ask him questions and then he will attempt to answer them using the information shown to him.

"I'm shown pictures," Saunders explains.

He said every one of us has spirit guides who want to help us in our journey, and he hopes to do his part in that process as well.

"It will be a positive experience and fun," Jessie said.

The cost is \$25 for 15 min-

Prior to retiring and opening his private reading service in Elgin, Saunders worked for 25 years at the RCMP Gazette. Born in Switzerland, he speaks German, French, English and Italian.

Those wishing to book a private session in Elgin can call Saunders at 613-359-

MS **FACT** #24

Multiple sclerosis usually strikes people aged 20 to 40, in the prime of their lives.

**Multiple Scierosis** 

1 - 8 0 0 - 2 6 8 - 7 5 8 2

#### NOTICE OF FINAL PUBLIC MEETING

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.

Dated at the Township of Rideau Lakes this the 21st of April, 2011

RE Smiths Falls 1 ULC is planning to engage in a renewable energy project in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format.

Meeting Location:

Date: Thursday, June 23, 2011

Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall,

6 Kelly Road, Lombardy, ON

Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location is described in the map below.

The Draft Project Description Report titled Project Description Report RE Smiths Falls 1 Solar Project describes the project as a solar electric generating facility that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. A written copy of the Draft Project Description Report was made available for public inspection on May 6, 2010 at www.ontariosolarfuture.ca. and at local municipal office. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

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Project Contacts and Information:

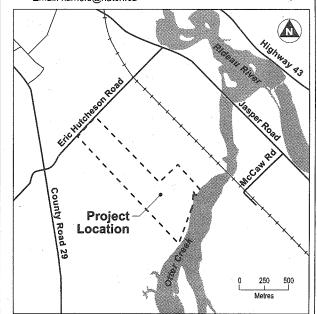
To learn more about the project proposal, public meeting, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

Hatch Ltd.

4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157

Email: karnold@hatch.ca



# Something for everyone

POWWOWS & FESTIVALS Events in Washington DC & New York City at the National Museum of the American Indian visit www.nmai.

•May 22-30: Hilo Inter-Tribal PowWow & Native Heritage Days, Hilo, Hawaii

info: www.hilopowwow.com •May 28-29: Upper Mattaponi Spring Fest and Native American Powwow Upper Mattaponi Tribal Founds, King Williams, VA

504-769-3854 or frankglen@aol.com May 28-29: 18th Annual Cherokee Indian Festival, Temple Univ.-Ambler Campus, Ambler, PA

215-549-4191 or buffy@icde.com •May 29: 19th Abenaki Heritage Celebration Powwow Village Green, Swanton, VT

508-868-2559 or sogomo@comcast.

May 28-30: Powwow On The Hudson "The River That Flows Both Ways", 85 Sheafe Rd Wappinger Falls, NY 12590 info: moonhawktitw@msn.com •June 3-5: Red Earth Festival, Oklahoma City, Oklahoma (405) 247-5228 www.redearth.org •June 11: Cayuga Nation Picnic, 10am-9pm, 4061 Truesdale Rd., Union Springs NY 13160. Camping ok and crafters invited. 315-889-5120 •June 15-19: Annual Ode'min Giizis (Strawberry Moon) Festival Community Procession & Traditional Gathering. Peterborough, Ont. Info: www.okw-arts.ca or 705-745-1788

•June: 30th Annual Plains Indian Museum Powwow, Cody, Wyoming (307) 587-4771 www. bbhc.org

•July 1-3: 4th Annual Woodland Indian Art Show & Market, Green Bay, Wisconsin www. woodlandindianart.com

• July 20-23: The World Eskimo-Indian Olympics, Fairbanks, Alaska (907) 452-6646 www.weio.

•August 2011: Schemitzun, North Stonington, Connecticut (800) 224-2676 www.schemitzun.com

•Aug. 20-21: Mohegan Annual Wigwam Festival at Fort Shantok in Uncasville, Connecticut, The drums will include Unity of the Nations, Mystic River and the Rez Dogs. Info: 800-664-3426,

or visit Mohegan.nsn.us.

•August 20-21: The 90th Santa Fe Indian Market Info: www.swaia.org •Sept. 2-5: 65th Annual Shinnecock Pow Wow in Southampton, New York on the Shinnecock Reservation. Info: ShinnecockNation.com.

Sept. 3-4: 30th Annual Festival of Iroquois Arts, Iroquois Indian Museum, 324 Caverns Road, Howes Cave, NY 12092. Info: 518-296-8949 or e-mail: info@iroquoismuseum.org •Sept. 3-4: Totah 23rd Festival Indian Market, Farmington Civic Center, Farmington, NM 1.800.448.1240 or www.farmingtonnm.org

•Sept. 11-14: American Indian Alaska Native Tourism Assoc., Scottsdale, Arizona (505) 724-3592 www.aianta.

CRAFT, ANTIQUE, RUMMAGE **SALES** 

FESTIVALS, SHOWS & FAIRS •Fri. May 20 & Sat. May 21: Rummage sale sponsored by Massena First United Methodist Church, 9 a.m. to 4 p.m. Friday, May 20, and bag sale, 9 a.m. to 3 p.m. Saturday, May 21, church fellowship hall, 189 Main St. Contact: 769-5633.

•May 21-22: Garage Sale Weekend in Bangor/Brandon. Maps May 21st only at Bangor Fire Station.

• Fri. May 20 & Sat. May 21: Community-wide garage sales: Throughout Cooks Corners, 9 a.m. to 5 p.m. Friday, May 20, and Saturday, May 21, town of Pierrepont. Rain or shine. Sales on Buck Pond, Crary, Orebed, Selleck and Wilson roads. Contact: 386-3286.

•Fri. & Sat. May 20 & 21: St. Lawrence County Chamber of Commerce's 3rd Annual Home. Garden & Business Show at Clarkson University's Cheel Sports Center in Potsdam. 80 booths businesses and organizations, home and garden projects. Info: 315-386-4000 or iroberts@stlawrencecountychamber.

•Sat. May 21: SHRINE CIRCUS, Massena Arena, Rt. 37, shows at 3 and 6 p.m.; tickets: \$14 children, \$16 adults; advance tickets at Kinney Drugs, on sale show day at arena one hour before show times; proceeds benefit Media Shriners.

•Sat. May 21: RUMMAGE SALE, St. Philip's Episcopal Church, Main Street, Norwood, 9 a.m.-2 p.m.; \$1 bag sale, 1-2 p.m.

•Sat. & Sun. May 28 & 29: FIBER ART SHOW. Sat. 10-5pm and Sunday, May 29th from 11-4pm at the Spencerville Mill. Vendors, Looking for people to provide demonstrations. No cost! Info. Pat Lemaire at 613.925.3987 or email purplepatch@ ripnet.com

•June 11-12: Lower Adirondack Regional Arts Council Art & Craft Festival, City Park in downtown Glens Falls. Info: (518) 798-1144 or information@larac.org

• Sunday, July 24: The Ogdensburg Area Zonta Club's 37th Annual Antique & Artisan Show from 10am to 4pm in the E.A. Newell Golden Dome on State Street in Ogdensburg.

#### **CONCERTS/DANCES**

•Fri. May 20: Forever Motown at Ogdensburg Command Performances 1100 State St., Ogdensburg, NY 315-393-2625 or E: ocp@ogdensburgk12.

•June 3-12: 2011 Burlington Discover Jazz Festival

•June 25-27: Madrid, NY Bluegrass River Festival

NORTH COUNTRY EVENTS •Fri. May 20: REYNOLDS ASTRONOMICAL OBSERVATORY FRIDAY NIGHT STARGAZING, 9 p.m., if skies are clear. From Potsdam, drive 1 mile east on Rt. 11B, turn left onto Hatch Road by Potsdam Airport, then about one half mile down Hatch Road until you reach the bend in the road, observatory sign on right-hand side. Park outside the gate.

# **Boating Under the Influence (BUI): Overview**

From the U.S. Coast Guard

Driving under the influence is a problem that plagues our nation's roads. Everyone knows that drinking and driving causes a large number of traffic accident fatalities.

But when you are out on the lake and relaxing, drinking may not seem like an issue. You are out to have a good time, right? Drinking a few beers is all a part of having fun while enjoying the water and sunshine.

Boating Under the Influence (BUI) is a big deal. Someone operating a boat with a Blood Alcohol Content (or BAC) of over .10% is 10 times more likely to die in a boating accident than someone driving a boat while sober.

BUI is responsible for approximately 34 percent of fatal boat accidents every year.

You may not be aware of it, but the boat's motion, vibration and engine noise as well as sun, wind and spray all make the effects of alcohol and drugs seem more intense. These conditions

all add up to a dangerous drinking and boating experience.

Even if you are just taking prescription medications, such as for heart or blood pressure, you may be affected by the outdoor weather conditions.

There are many skills necessary to operate a boat that are affected after drinking or taking drugs. These include:

• Peripheral Vision • Night Vision

- Focus
   Ability to Distinguish Colors
- Cognitive Abilities Judgment
- Balance Coordination
- Reaction Time

Your inner ear can also be affected. This will make it harder for you to tell which way is up or which way is down if you fall in the water.

Boating Under the Influence is very similar to a DUI. Law enforcement officials will look for someone who is driving a boat erratically. The operator will also be asked to perform field sobriety tests and to take a chemical

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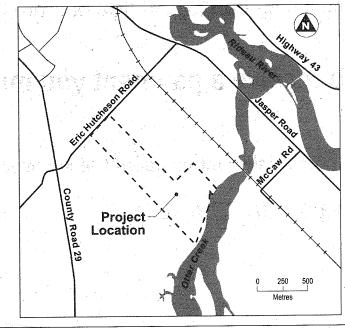
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To learn more about the project proposal, public meeting, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power 4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca





# Appendix C Copies of Display Boards and Other Material at the First Public Meeting

# RECURRENT ENERGY

# Welcomes You

to the First Public Meeting for the RE Smiths Falls 1 and RE Smiths Falls 6 Solar Energy Project

Thursday, June 10, 2010





# Purpose of this Public Meeting

Stakeholder input is a key component of project planning and the Renewable Energy Approval (REA) process. The purpose of this first Public Meeting is to provide you with an opportunity to:

- Obtain information of Recurrent Energy's proposed renewable energy projects;
- Obtain details regarding the requirements of the REA Process;
- Ask questions regarding the proposed developments;
- Raise issues and concerns regarding the proposed Projects and have these addressed.

# can provide any comments or concerns in the following ways:

- Via the Comment Sheet provided at this Public Meeting. If you would like to be included on the Project's stakeholder mailing list, please include your name and mailing address on your completed Comment Sheet.
- 2. Through discussion opportunities with representatives of Recurrent Energy and Hatch staff at this Public Meeting.
- Please also feel free to contact the Environmental Coordinator for the Project via the contact information below:

Kimberley Arnold, BSc, MES

Manager - Environmental Services,

Renewable Power

Hatch Ltd.

Address: 4342 Queen St, Suite 500

Niagara Falls, Ontario, L2E 7J7

Phone: 905-374-0701 Ext 5318

Fax: 905-374-1157 Email: karnold@hatch.ca

For more information please visit: www.ontariosolarfuture.ca



# **The Company**

Recurrent Energy is an independent power producer and a leading developer of distributed solar projects for utilities, government, and commercial customers. We develop, build and operate distributed solar power systems, connected to the existing distribution grid.

Our vision is to use proven solar technology to meet rising energy demand with a fleet of clean power plants. With a project pipeline now in excess of 1,000 MW, we're well on our way to achieving that vision.

#### A Powerful Vision for Ontario

Today, nearly 75% of Ontario's electricity comes from aging nuclear, coal-, oil-, and gas-based generation facilities. However, a major shift toward renewable energy is under way. The Ontario Power Authority has committed to doubling its supply of clean energy by 2025 – a goal that will have a major positive impact on both the environment and the economy.

Helping the Province to meet its ambitious goals, Recurrent Energy is working to bring clean solar power to multiple sites and communities throughout Ontario. Approximately 21,800 homes can be powered by the output of Recurrent Energy's Ontario solar projects in the first year of operation.

#### **Investing in Ontario's Green Economy**

Recurrent Energy's solar photovoltaic (PV) systems will create hundreds of Ontario jobs throughout the life of the projects – from the initial development, design and manufacture, to construction and ongoing maintenance. Recurrent Energy is working closely with contractors and equipment vendors in Ontario helping to ensure significant benefits to the local economy. At least 60% of the materials for the projects will be made or sourced in Ontario.

#### **Our Ontario Projects**



#### The Consultant

Recurrent Energy has retained Hatch Ltd. to undertake the Renewable Energy Approval (REA) process, subject to the provisions of the Environmental Protection Act Part V.0.1 and Ontario Regulation 359/09.

Hatch is an Ontario-based consulting, engineering, environmental and management company with operations worldwide and a reputation for excellence acquired over 80 years of continuous service to its clients.



## **Benefits of Solar Energy**

Recurrent Energy's projects use solar photovoltaic (PV) technology to produce clean electricity directly from sunlight. Solar PV is uniquely suited to distributed generation\* projects due to several important technical characteristics:

- Zero-emissions and quiet enough to be located near inhabited locations
- Highly modular and scalable to fit load requirements, available space, or transmission capacity.

Recurrent Energy generally leases land for the lifetime of its projects, creating a diverse and stable income stream for landowners. The solar PV systems consist of safe, common materials and will have a minimal impact on the land.

As a source of electricity, solar PV compares favourably to other types of electricity generation:

- Solar PV generates power during periods of high demand, providing a cleaner alternative to fossil-fuel powered peaking plants
- Unlike solar thermal technologies, solar PV requires no water and has no moving parts which significantly reduces the maintenance costs and environmental impact
- Solar PV is a mature technology with a long operating history, so performance and operating costs are highly predictable when compared to unproven new technologies.



A solar PV panel consists of several layers, the top layer of which is glass, providing weather protection for the PV cell. A special coating is applied to the glass to reduce reflected light from the panel, thereby reducing glare. Within the solar PV cell is a grid, (often made of a metal) which conducts electricity.

Electricity is generated when openings in the grid allow sunlight to reach silicon layers of the panel underneath

\* Distributed Generation: The generation of solar energy at the distribution end of the electricity grid, close to the point where electricity is consumed.

The Feed In Tariff (FIT) program was enabled by the Green Energy and Green Economy Act (2009), and was officially launched on October 1, 2009. The Program is designed to encourage and promote greater use of renewable energy sources. According to the Program's website, the FIT Program will help Ontario to phase out coal-fired electricity generation by 2014, boost economic activities and the development of renewable energy technologies while creating new green industries and jobs throughout the province.

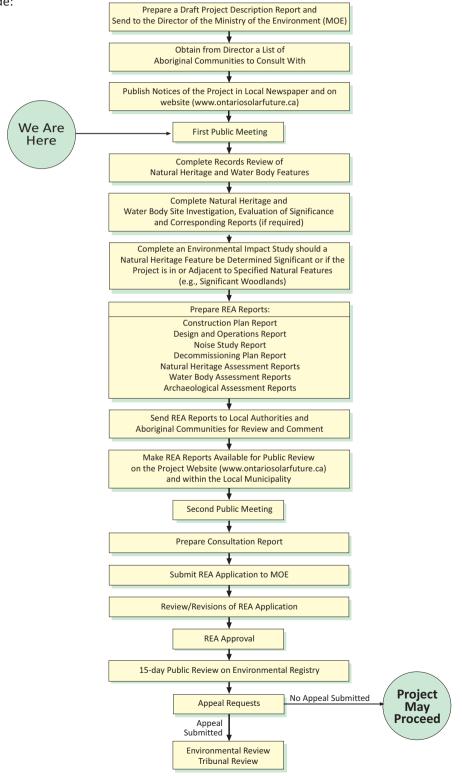
The Ontario Power Authority (OPA) awarded 184 FIT contracts to renewable power developers in Ontario on April 8, 2010. Recurrent Energy was awarded a total of 20 contracts for proposed developments throughout Ontario. These projects are now proceeding through the Renewable Energy Approval process.





# Renewable Energy Approval Process

The proposed Project is subject to the Renewable Energy Approval (REA) process, subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. The main components of this process include:





## **Project Location**

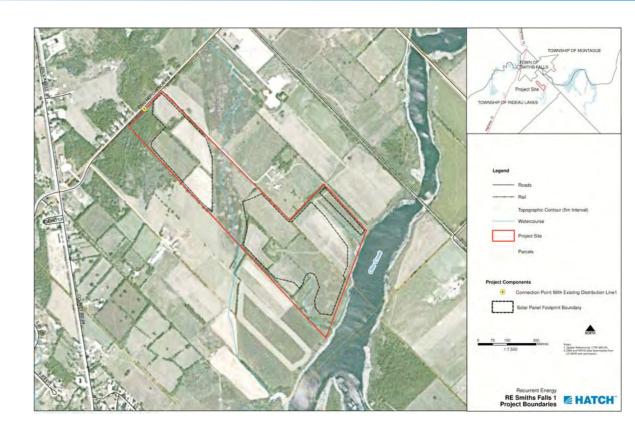
The proposed Project is located at 57 Eric Hutcheson Road, south of Smiths Falls, in the Township of Rideau Lakes. If approved, the proposed Project will be constructed on privately owned lands.

## **Project Description**

The proposed RE Smiths Falls 1 Solar Energy Project is considered to be a Class 3 solar facility as per Ontario Regulation 359/09 under the *Environmental Protection Act* (Act) Part V.O.1. The proposed Project would have a total maximum name plate capacity of 10 Megawatts (MW). The amount of energy produced in the first year is estimated to be 14,674,938 kilowatt hours (kWh).

The proposed Project will consist of photovoltaic (PV) panels installed on ground-mounted rack structures. The panels will be tilted and fixed in place (i.e., they will not move to track the sun). Panels will typically range in height from 2.5 m to 4 m.

# Project Schedule - RE Smiths Falls 1 FIT Application - November 2009 Submission of Project Description to MOE - December 2009 FIT Contract Award - April 2010 First Public Meeting - June 2010 Tentative Second Public Meeting - August 2010 REA Application Submission - August 2010 REA Received - February 2011 Start of Construction - April 2011 Commercial Operation Date - December 2011





# RE Smiths Falls 1 Solar Energy Project







# **Natural Heritage Features**

A site investigation was completed in order to identify features of the terrestrial and aquatic environment from the area. Specific features that were considered during the site investigation include, but were not limited to:

- Wildlife/Wildlife habitat
- Vegetation communities, including woodlands
- Vallevlands
- Species at risk
- Waterbodies

#### Terrestrial Environment

The proposed Project is located entirely on agricultural lands composed of hayfields and pastureland. The Otter Creek Provincially Significant Wetland occurs south of the proposed Project site.

Species of willows and red-osier dogwood were common within the pastureland and scrubland. Hedgerows and the surrounding woodlands were dominated by maples, ash, and trembling aspen. Evidence of groundhog, muskrat, and beaver activity was noted from the proposed Project location. Several species of birds common to agricultural lands in the area, such as Common Grackles, American Robin, and Song Sparrows were recorded on the proposed Project location.

There were no federal or provincial species at risk observed or expected on the proposed Project location.

### **Aquatic Environment**

There are a total of four watercourses present on or within 120 m of the proposed Project site. This includes three small tributaries (noted at Tributaries A, B and C on Figure 1) all of which drain in a southerly direction into Otter's Creek. Otter's Creek is located on the southern boundary of the proposed Project site and is a tributary of the Rideau River. Additionally, the low-lying areas of Otter's Creek are designated as Provincially Significant Wetland (PSW), along the southern portion of the proposed Project site.

#### Land Use

The Canada Land Inventory (CLI) provides a classification which identifies the potential for agricultural production in a specific area. The classes, ranging from 1 to 7 are determined based on soil surveys conducted by Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), class 1 representing the best agricultural lands, while class 7 represents the poorest. In addition, the proposed Project location has been classified by a qualified soil scientist subsequent to an on-site field visit to verify the soil classifications on site.

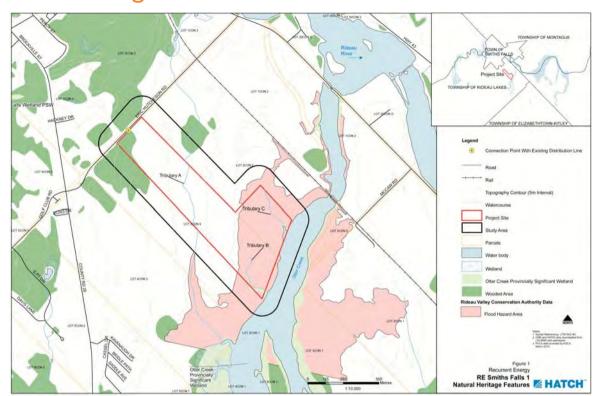
The area leased for the installation of the proposed Project is comprised of a mix of agricultural land classes. The proposed Project will not be operated on the class 1 or class 2 lands of the leased area.

The soil underneath the solar panels will be preserved over the course of the Project's lifetime. Vegetation established beneath the solar panels will reduce erosion, and increase the levels of soil organic matter and soil biodiversity.

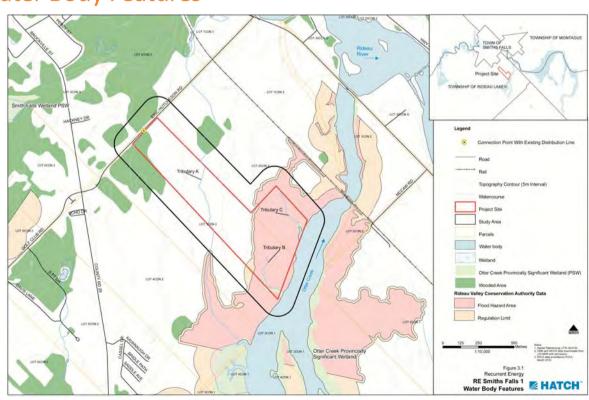




# **Natural Heritage Features**



# **Water Body Features**





# RE Smiths Falls 1 Solar Energy Project

# Potential Negative Environmental Effects and Mitigation Measures

	nmental Component	Potential Environmental Effect	Mitigation Measures
Natural Environment	Physiography/Topography	During construction, regrading of excavated soils and some minor alterations to local topography may occur.	Areas disturbed will be regraded to match existing topography to the greatest extent possible.
	Soils	Reductions in soil quality/loss of soils as a result of accidental spills, erosion, soil compaction during construction.	The use of standard construction best management practices and mitigation measures will be implemented to mitigate impacts to soils. These mainclude development of an Erosion and Sediment Control Plan and a Spill Response Plan.
	Surface Water	Surface water quality could be impaired due to contamination from accidental spills or increased turbidity due to erosion during construction.	Solar panels will be set back at least 30 m from watercourses. Sediment and erosion control measures and spill prevention and response measures will be implemented.
	Groundwater	Groundwater may be impaired by contamination due to accidental spills.	Spill prevention and response measures will be implemented throughout the life of the Project.
	Aquatic Habitats/Biota	The installation of the Project could result in negative impacts to fish and fish habitat due to erosion; accidental spills, installation of the distribution line watercourse crossing and upgrade of the existing access road culvert	30-m setbacks from the watercourses, as well as sediment and erosion controls will prevent impacts due to Project installation. The distribution line will span the watercourse to prevent adverse environmental effects. The culvert upgrade will occur outside the fish spawning period.
	Vegetation	Vegetation clearing on agricultural land and within hedgerows will be required.	Work areas will be flagged to ensure clearing does not extend beyond those bounds.
	Terrestrial Wildlife (including species at risk)	Potential loss of wildlife habitat and potential wildlife avoidance of the Project location during construction and operation may occur as a result of disturbance.	Work areas will be flagged to ensure clearing does not extend beyond those bounds. Best management practices with respect to work during the breeding bird season will be followed to ensure no impact to nesting birds. This may include timing of major construction activities outside of the breeding bird period.
	Air Quality	Reductions in local air quality from the operation of construction equipment and dust displacement may occur due to vehicle traffic.	The use of standard construction best management practices and mitigation measures will be implemented to suppress dust and protect local air quality. These may include use of dust suppressant (i.e. water) and limitation of soil exposure.
Social Environment	Local Traffic	Increased traffic volumes and equipment delivery as well as temporary disruption along routes utilized by construction vehicle may result in delays to local community traffic.	Adverse effects to local traffic will be minimized by designating and preparing transportation routes; and facilitation of traffic flow as required.
	Municipal Roadways	Construction vehicle traffic in the vicinity of the Project location may result in damage to local roadways.	In addition to the mitigation measures proposed above, local roadways will be maintained as necessary.
	Public and Construction Site Safety	Construction of the Project may result in a risk to community and workforce safety.	Proper safety procedures will be implemented and followed as per applicable provincial and federal regulations.
	Waste Management and Disposal Sites	Construction and operation of the Project will likely result in the generation of recyclable material, and municipal hazardous and sanitary waste.	Proper storage and disposal of wastes and recyclables will be practiced.
	Visual Landscape	Installation of the Project may result in a change to the local landscape.	Mitigation to be determined if necessary.
	Sound Levels	Temporary disturbance to neighbouring residents may occur during construction, while the operation of inverters and transformers may result in increased ambient sound levels.	Noise studies in accordance with O. Reg. 359/09 will be conducted to ensure adherence to sound levels requirements.
	Archaeological Resources	Excavations during Project construction may result in the discovery of archaeological resources.	An Archaeological Assessment will be completed prior to construction to determine potential resources and mitigation requirements.
	Cultural Heritage Resources	Construction of the Project may result in negative effects to built heritage and cultural heritage landscapes.	Potential heritage resources will be determined and assessed as per the requirements of the Ministry of Tourism and Culture.



# RE Smiths Falls 6 Solar Energy Project

## **Project Location**

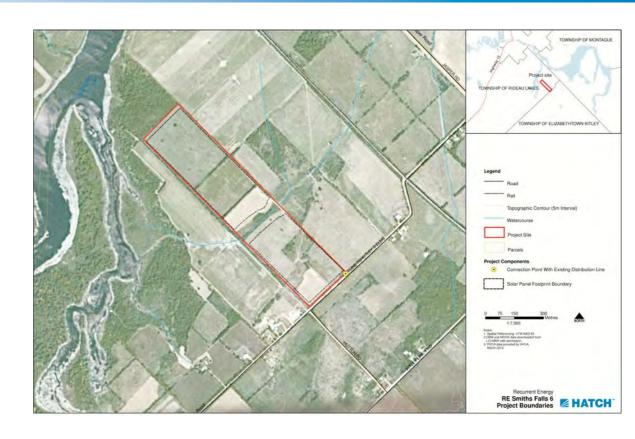
The proposed Project is located on Kitley South Elmsley Townline Road, southeast of Smiths Falls. If approved, the proposed Project will be constructed on privately owned lands.

## **Project Description**

The proposed RE Smiths Falls 6 Solar Energy Project is considered to be a Class 3 solar facility as per Ontario Regulation 359/09 under the *Environmental Protection Act* (Act) Part V.O.1. The proposed Project would have a total maximum name plate capacity of 10 Megawatts (MW). The amount of energy produced in the first year is estimated to be 14,674,938 kilowatt hours (kWh).

The proposed Project will consist of photovoltaic (PV) panels installed on ground-mounted rack structures. The panels will be tilted and fixed in place (i.e., they will not move to track the sun). Panels will typically range in height from 2.5 m to 4 m.







# **RE Smiths Falls 6 Solar Energy Project**





# Natural Heritage Features

A site investigation was completed in order to identify features of the terrestrial and aquatic environment from the area. Specific features that were considered during the site investigation include, but were not limited to:

- Wildlife/Wildlife habitat
- Vegetation communities, including woodlands
- Valleylands
- Species at risk
- Waterbodies

#### Terrestrial Environment

The proposed Project is located entirely on agricultural lands. The Otter Creek Provincially Significant Wetland occurs immediately north of the Project site. There is a large woodland which surrounds Otter Creek north and west of the proposed Project site.

Tree species common to the hedgerows and woodlands adjacent to the proposed Project site include maple, black walnut, and ash among others. There is an active beaver pond located immediately east of the proposed Project site, and evidence of white-tailed deer activity was recorded from the proposed Project location. Several species of birds common to agricultural lands in the area, such as Eastern Kingbird, American Goldfinch and American Robin were recorded on the proposed Project location. Green Frogs and Northern Leopard Frogs were recorded from the small waterbody that crosses the proposed Project site.

There are no federal or provincial species at risk observed or expected on the proposed Project location.

# **Aquatic Environment**

A tributary of Otter Creek crosses the proposed Project site within a linear, narrow vegetated corridor. The creek is approximately 2-4 m wide and relatively shallow. There is a small beaver dam across the creek on the property and a large beaver dam immediately upstream from the proposed Project site. The Otter Creek Provincially Significant Wetland is located along the periphery of Otter Creek northwest of the proposed Project site. Otter Creek is a tributary of the Rideau River

#### Land Use

The Canada Land Inventory (CLI) provides a classification which identifies the potential for agricultural production in a specific area. The classes, ranging from 1 to 7 are determined based on soil surveys conducted by Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), class 1 representing the best agricultural lands, while class 7 represents the poorest. In addition, the proposed Project location has been classified by a qualified soil scientist subsequent to an on-site field visit to verify the soil classifications on site.

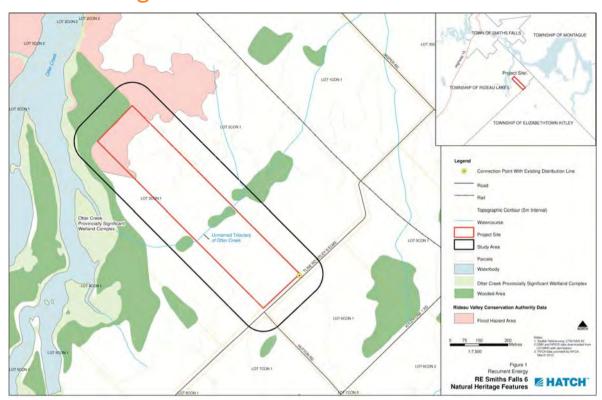
The area leased for the installation of the proposed Project is comprised of a mix of agricultural land classes. The proposed Project will not be operated on the class 1 or class 2 lands of the leased area.

The soil underneath the solar panels will be preserved over the course of the proposed Project's lifetime. Vegetation established beneath the solar panels will reduce erosion, and increase the levels of soil organic matter and soil biodiversity.

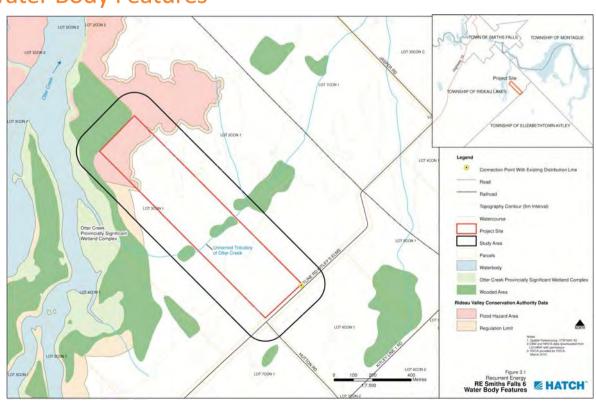




# Natural Heritage Features



# Water Body Features





# RE Smiths Falls 6 Solar Energy Project

# Potential Negative Environmental Effects and Mitigation Measures

	nmental Component	Potential Environmental Effect	Mitigation Measures
Natural Environment	Physiography/Topography	During construction, regrading of excavated soils and some minor alterations to local topography may occur.	Areas disturbed will be regraded to match existing topography to the greatest extent possible.
	Soils	Reductions in soil quality/loss of soils as a result of accidental spills, erosion, soil compaction during construction.	The use of standard construction best management practices and mitigation measures will be implemented to mitigate impacts to soils. These mainclude development of an Erosion and Sediment Control Plan and a Spill Response Plan.
	Surface Water	Surface water quality could be impaired due to contamination from accidental spills or increased turbidity due to erosion during construction.	Solar panels will be set back at least 30 m from watercourses. Sediment and erosion control measures and spill prevention and response measures will be implemented.
	Groundwater	Groundwater may be impaired by contamination due to accidental spills.	Spill prevention and response measures will be implemented throughout the life of the Project.
	Aquatic Habitats/Biota	The installation of the Project could result in negative impacts to fish and fish habitat due to erosion; accidental spills and the distribution line and access road crossing of the watercourse on site.	30-m setbacks from the drains, as well as sediment and erosion controls will prevent impacts due to Project installation. The distribution line will span the watercourse to prevent adverse environmental effects. Culvert upgrading (if required) will be done outside the warm water fish spawning period.
	Vegetation	Vegetation clearing on agricultural land and within hedgerows will be required.	Work areas will be flagged to ensure clearing does not extend beyond those bounds.
	Terrestrial Wildlife (including species at risk)	Potential loss of wildlife habitat and potential wildlife avoidance of the Project location during construction and operation may occur as a result of disturbance.	Work areas will be flagged to ensure clearing does not extend beyond those bounds. Best managemen practices with respect to work during the breeding bird season will be followed to ensure no impact to nesting birds. This may include timing of major construction activities outside of the breeding bird period.
	Air Quality	Reductions in local air quality from the operation of construction equipment and dust displacement may occur due to vehicle traffic.	The use of standard construction best management practices and mitigation measures will be implemented to suppress dust and protect local air quality. These may include use of dust suppressant (i.e. water) and limitation of soil exposure.
Social Environment	Local Traffic	Increased traffic volumes and equipment delivery as well as temporary disruption along routes utilized by construction vehicle may result in delays to local community traffic.	Adverse effects to local traffic will be minimized by designating and preparing transportation routes; and facilitation of traffic flow as required.
	Municipal Roadways	Construction vehicle traffic in the vicinity of the Project location may result in damage to local roadways.	In addition to the mitigation measures proposed above, local roadways will be maintained as necessary.
	Public and Construction Site Safety	Construction of the Project may result in a risk to community and workforce safety.	Proper safety procedures will be implemented and followed as per applicable provincial and federal regulations.
	Waste Management and Disposal Sites	Construction and operation of the Project will likely result in the generation of recyclable material, and municipal hazardous and sanitary waste,	Proper storage and disposal of wastes and recyclables will be practiced.
	Visual Landscape	Installation of the Project may result in a change to the local landscape.	Mitigation to be determined if necessary.
	Sound Levels	Temporary disturbance to neighbouring residents may occur during construction, while the operation of inverters and transformers may result in increased ambient sound levels.	Noise studies in accordance with O. Reg. 359/09 will be conducted to ensure adherence to sound levels requirements.
	Archaeological Resources	Excavations during Project construction may result in the discovery of archaeological resources.	An Archaeological Assessment will be completed prior to construction to determine potential resources and mitigation requirements.
	Cultural Heritage Resources	Construction of the Project may result in negative effects to built heritage and cultural heritage landscapes.	Potential heritage resources will be determined and assessed as per the requirements of the Ministry of Tourism and Culture.





All written comments will be reviewed and issues addressed within the REAs process.

Additional Project Reports (such as the Construction Plan Reports and Archaeological Assessment Reports) will be available for public review and comment on the Project website (www.ontariosolarfuture.ca) and within the local municipality.

The Second Public Meeting will be advertised in the local newspaper and information will be sent to all those on the Project mailing list.

If you would like to the included on the Project mailing list, please include your name and mailing address on your completed comment sheet.

# THANK YOU FOR ATTENDING THIS FIRST PUBLIC MEETING

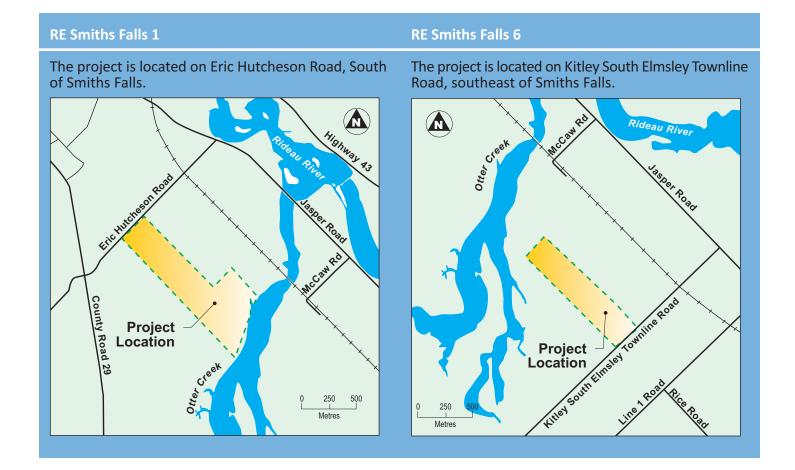
Your Comments are Important -

Please Sign in and Complete a Comment Sheet





The Ontario Power Authority awarded 184 Feed-In Tariff (FIT) contracts to renewable power developers in Ontario on April 8, 2010. Recurrent was awarded a total of 20 contracts out of the 22 applications that they submitted for proposed solar developments throughout Ontario. Accordingly, Recurrent Energy is pleased to confirm that the two proposed solar developments located within the United Counties of Leeds and Grenville have been awarded FIT contracts and will be proceeding into the Renewable Energy Approval (REA) process. Both are Class 3 Solar Facilities which, if approved, would each have a maximum name plate capacity of 10 MW.







#### **Solar Technology**

Recurrent Energy's projects use solar photovoltaic (PV) technology to produce clean electricity directly from sunlight. Solar PV is uniquely suited to distributed generation projects due to several important technical characteristics:

- Zero-emissions and quiet enough to be located near inhabited locations
- Highly modular and scalable to fit load requirements, available space, or transmission capacity

As a source of electricity, solar PV compares favourably to other types of renewable generation:

- Solar PV generates power during peak load periods, providing a cleaner alternative to fossil-fuel powered peaking plants
- Unlike solar thermal technologies, solar PV requires no water and has no moving parts which significantly reduces maintenance costs and environmental impact
- Solar PV is a mature technology with a long operating history, so performance and operating costs are highly predictable when compared to unproven new technologies

#### **Investing in Ontario's Green Economy**

Recurrent Energy's PV systems will create hundreds of Ontario jobs throughout the life of the projects — from the initial development, design and manufacture, to construction and ongoing maintenance. Recurrent Energy is working closely with contractors and equipment vendors in Ontario helping to ensure significant benefits to the local economy. At least 60% of the materials for the projects will be made or sourced in Ontario.

#### A Powerful Vision for Ontario

Today, nearly 75% of Ontario's electricity comes from aging nuclear-, coal-, oil-, and gas-based generation facilities. However, a major shift toward renewable energy is under way. The Ontario Power Authority has committed to doubling its supply of clean energy by 2025 — a goal that will have a major positive impact on both the environment and the local economy.

Helping the province to meet its ambitious goals, Recurrent Energy is working to bring clean solar power to multiple sites and communities throughout Ontario. Approximately 21,800 homes can be powered by the output of Recurrent Energy's Ontario solar projects in the first year of operation.

#### **Recurrent Energy**

We develop, build and operate distributed solar power systems, connected to the existing distribution grid.

Our vision is to use proven solar technology to meet rising energy demand with a fleet of clean power plants located right where they're needed most. With a project pipeline now in excess of 1,000 MW, we're well on our way to achieving that vision.

#### **Additional Information**

To learn more about the project proposal, public meetings, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at: www.ontariosolarfuture.ca

# **Comment Sheet**

# First Public Meeting: Thursday, June 10, 2010

### Recurrent Energy – RE Smiths Falls 1/RE Smiths Falls 6 Solar Energy Projects

1. Please indicate whether your interest is pertinent to one or both of the proposed Project(s) by circling one or both of the following:

	RE Smiths Falls 1	RE Smiths Falls 6	
2. Please describe w	here you reside in relatior	n to the Project location(s)?	
		ated to the Project location(s) which, in your potential effects of the Project(s)?	our

Continued on back

 ide any comments, questions or concerns related to the Project(s).
you like to be included on the Project mailing list, please provide your name ng address below:
Name:
Mailing Address:

WE WELCOME YOUR INPUT. PLEASE COMPLETE AND SUBMIT THIS COMMENT SHEET BEFORE LEAVING - THANK YOU

Alternatively, if you prefer to mail/fax your response, please do so within 30 days to:
Kim Arnold, Environmental Coordinator
4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7
Phone: 905-374-5200 Fax: 905-374-1157

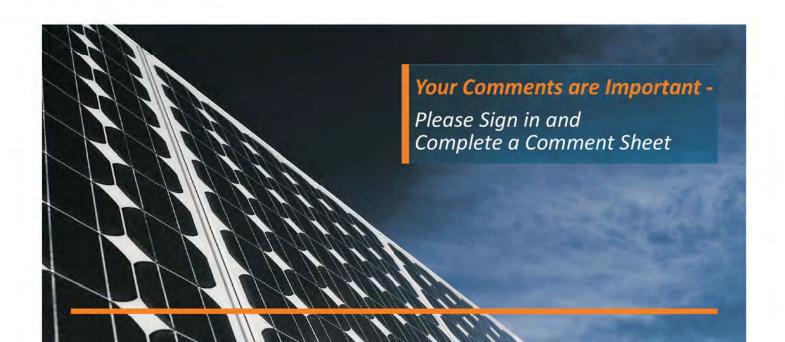


# Appendix D Copies of the Display Boards and Other Material at the Final Public Meeting

# RECURRENT ENERGY

RE Smiths Falls 1 ULC
Welcome You
to the Final Public Meeting
for the RE Smiths Falls 1
Solar Project

Thursday, June 23, 2011





# Purpose of the Meeting

This Public Meeting provides an opportunity for you to:

- Ask questions regarding the Project reports that were previously provided for your review
- Learn more about the Company
- Obtain information about the Renewable Energy Approval process
- Provide comments, questions and concerns regarding the Project

# YOU an provide comments, questions or concerns the following ways:

- Fill out a comment sheet OR
- Talk to any of the Project representatives here at the meeting

Please also feel free to contact the Environmental Coordinator for the Project via the contact information below:

Kimberley Arnold, BSc, MES

Manager - Environmental Services,

Renewable Power

Hatch Ltd.

Address: 4342 Queen St., Suite 500,

Niagara Falls, Ontario, L2E 7J7

Phone: 905-374-0701 Ext 5318

Fax: 905-374-1157 Email: karnold@hatch.ca

For more information please visit:

www.ontariosolarfuture.ca



# The Company

#### About Recurrent Energy

From its office in Toronto, Recurrent Energy is working to bring clean solar power to multiple sites and communities throughout Ontario, helping the Province to meet its ambitious renewable energy goals. With a project pipeline of 2 GW, we use proven solar photovoltaic (PV) technology to meet rising energy demand with a fleet of clean power plants located right where they're needed most. As a subsidiary of Sharp Corporation, Recurrent Energy and Sharp combine technical capabilities with access to capital enabling Recurrent Energy to deliver solar generating plants.

#### A Powerful Vision for Ontario

The Ontario Power Authority has committed to doubling its supply of clean energy by 2025—a goal that will have a major positive impact on both the environment and the local economy. Helping the province to meet its ambitious goals, Recurrent Energy was awarded 180 MW of ground-mounted solar projects at various locations in southern and central Ontario by the Ontario Power Authority.

This Project will help diversify Ontario's energy mix, promote stable electricity prices, and contribute to a greener future.

#### Job Creation

At least 60% of project materials and services are sourced from Ontario-based sources. Supporting the Green Energy Act's program-wide goal of 50,000 new green collar jobs, our projects will create an estimated 2,500 green collar jobs for electricians, civil engineers, environmental specialists, construction workers, facility operators, and maintenance technicians, spurring job growth both locally and provincially.

#### **Our Ontario Projects**



Region	Type	Projects	
Northern	Ground	6	
Central	Ground	10	
Southern	Ground	3	

#### The Consultant

Recurrent Energy has retained Hatch Ltd. to undertake the Renewable Energy Approval (REA) process, subject to the provisions of the Environmental Protection Act Part V.O.1 and Ontario Regulation 359/09.

Hatch is an Ontario-based consulting, engineering, environmental and management company with operations worldwide and a reputation for excellence acquired over 80 years of continuous service to its clients.





#### Benefits

# Help Ontario meet renewable energy goals

This solar project will help Ontario to meet its goal of increasing the amount of energy generated from green renewable sources in the Province. Since this **zero-emission facility** has no moving parts and requires little water, the project is able to bring power close to communities, and is quiet enough to be located near homes.

Recurrent Energy's Ontario solar facilities are projected to produce in their first year **220 million kilowatt hours** per year from clean, renewable solar resource.

- Enough to power roughly 22,000 homes
- Prevent emissions of roughly 49,000 metric tons of carbon



A solar PV panel consists of several layers. The top layer of glass provides weather protection for the PV cell. A special coating is applied to the glass to reduce reflected light from the panel, thereby reducing glare. Within the solar PV cell is a grid, often made of metal which conducts electricity.

Electricity is generated when openings in the grid allow sunlight to reach silicon underlying layers.

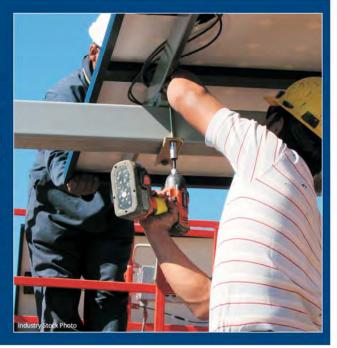
#### **Community Involvement**

Recurrent Energy desires to be a long term partner with the community by creating local jobs and investing in the community. The project team looks forward to developing a positive and long lasting relationship with the community to understand how it can best serve as a contributing member.



The Feed In Tariff (FIT) program was enabled by the Green Energy and Green Economy Act (2009), and was officially launched on October 1, 2009. The Program is designed to encourage and promote greater use of renewable energy sources. According to the Program's website, the FIT Program will help Ontario to phase out coal-fired electricity generation by 2014, boost economic activities and the development of renewable energy technologies while creating new green industries and jobs throughout the province.

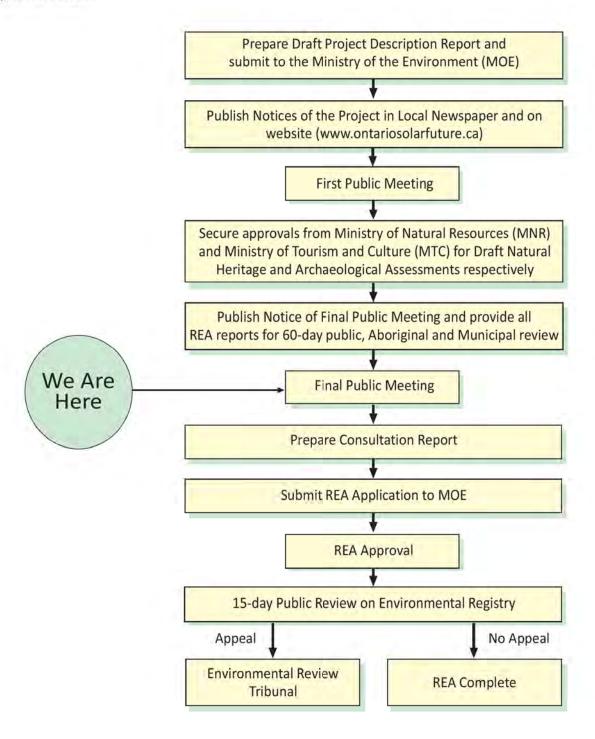
The Ontario Power Authority (OPA) awarded 184 FIT contracts to renewable power developers in Ontario on April 8, 2010. Recurrent Energy was awarded a total of 19 contracts for proposed developments throughout Ontario. These projects will be privately financed by Recurrent Energy and will only receive payment for the energy that is produced by these facilities. These projects are now proceeding through the Renewable Energy Approval process.





# Renewable Energy Approval Process

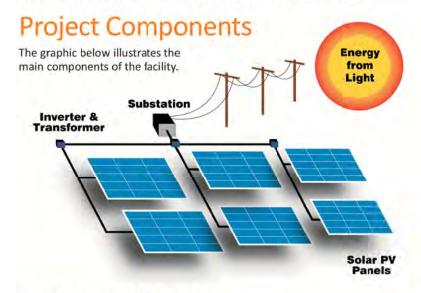
The proposed Project is subject to the Renewable Energy Approval (REA) process, subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. The main components of this process include:





# **Project Location**

The proposed Project is located on Eric Hutcheson Road, south of Smiths Falls. If approved, the proposed Project will be constructed on privately owned lands.



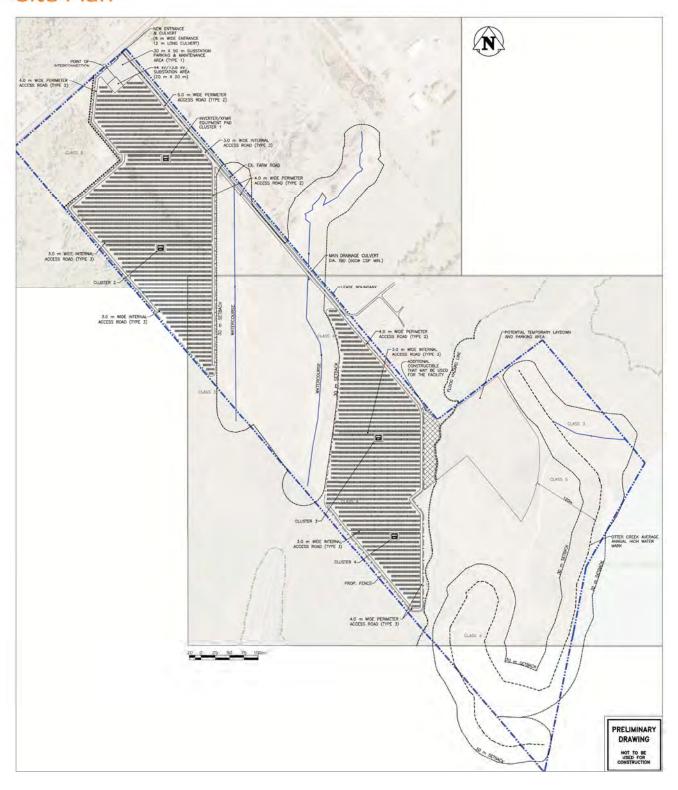
#### Project Schedule - RE Smiths Falls 1

- FIT Application November 2009
  - Submission of Project Description to MOE December 2009
  - FIT Contract Award April 2010
  - First Public Meeting June 2010
  - Submission of Reports to MNR and MTC August/September 2010
  - Receipt of Confirmation Letter from MTC September 2010
  - Receipt of Confirmation Letter from MNR April 4, 2011
  - Second Public Meeting June 2011
  - REA Application Submission July 2011
  - REA Received January 2012
- Start of Construction February 2012
- Commercial Operation Date November 2012





# Site Plan





# **Project Construction**

#### Phase 1 - Months 1 to 6

#### Site Preparation

- site survey and staking
- removal of vegetation (where necessary)
- road and parking area construction
- installation of perimeter fencing

#### Phase 2 - Months 4 to 8

Construction and Installation

- excavation of substation
- installation of substation / control house
- installation of racking and panels
- installation of electrical cabling, inverters and transformers

#### Phase 3 - Month 8

Post-Installation

- site clean-up
- revegetation
- systems testing
- commissioning

#### **Construction Considerations**

#### Schedule

- · Overall duration anticipated to be 8 months
- Typically 5 days per week 7:00 am 5:00 pm
- Longer working hours may periodically be required, subject to Municipal by-laws

#### Traffic and Roads

- Trucks delivering material to site will follow all regulations and load restrictions
- Information on traffic management to be provided to the Municipality prior to start of construction
- Construction traffic not anticipated to significantly damage or degrade local roads
- A plan for maintenance and protection of local roadways will be developed with the Township

#### Safety

- Fencing will be installed around the perimeter to prevent unauthorized access
- An Emergency Response Plan will be developed in consultation with local municipal authorities for construction and operation phases of the project



Source: First Solar



# RE Smiths Falls 1 Solar Project

# **Design and Operations**

#### Project Design

- The Project will consist of solar photovoltaic modules arranged in rows, mounted off the ground and stationary at a fixed tilt angle
- Direct current (DC) electricity generated by each module is routed by cabling to an inverter, which
  converts it to alternating current (AC) and an intermediate transformer which increases the voltage
  to an intermediate level

Main Project Components	Number	Description
Solar Panels	~ 44,000	275- 300W crystalline silicon photovoltaic panels made in Ontario
Inverters	10	1 MW Inverter 420-850 VDC
Intermediate Transformer	5	2MVA Padmount Transformers
Station Transformer	1	7.5/10MVA Oil Insulated Transformer



#### **Project Operations**

- · Panels generate electricity when exposed to sufficient amounts of solar radiation
- Facility remotely monitored, 24 hours/day for the amount of energy produced, efficiency and potential problems (e.g., faulty panels or electrical system issues)
- · Operations staff dispatched to rectify any problems observed, as required

#### Security

- · Facility will be fenced to prevent unauthorized access
- Security lighting will be directional, pointed inward on the facilities, triggered by motion detecting sensors
- · Facility will be monitored by security cameras, trained inwards

#### Maintenance

- Periodic maintenance activities will include electrical system maintenance, oil/water separator monitoring and maintenance, and road and fence repairs
- General property maintenance will include vegetation management (e.g., mowing), ensure site
  access to all areas of the facility and maintain good site aesthetics
- Panel washing at each facility is anticipated to occur 3 times per year, using 25,700 litres of water over a 4-5 day period for each cleaning event

#### **Emergency Response Plan**

- A detailed Emergency Plan will be prepared in consultation with local municipal authorities and emergency response agencies prior to the start of any construction activity
- . The plan will include appropriate actions in the event of a spill or fire at the site
- · Appropriate signage will be posted in the event of an emergency or to contact a company representative

For more detailed information please refer to the Design and Operations Report.



# Decommissioning

The anticipated life of the Project is 30 years. Once the decision has been made to decommission, the process will occur in two phases:

- · Removal of equipment
- · Restoration of the site



#### **Equipment Removal**

- · All project components not native to the site will be removed
- All equipment that can be re-used (e.g., solar panels, electrical cabling) will be carefully removed and transported off site
- All other project components will be removed and either sold for scrap (e.g., rack structures), recycled or disposed of at appropriate facilities
- Access roads will be removed and the fence will be dismantled

#### Site Restoration

- · Restoration will occur in accordance with the agreement with the landowner
- Assuming restoration of agricultural land is desired, the site will be prepared for use by chiseling to remove compaction, addition of compost, tilling and planting of appropriate seed mixture

Temporary erosion and sedimentation control measures will be removed once the seed has sprouted and grown to stabilize the conditions adequately.

All decommissioning and restoration activities will adhere to the requirements of appropriate governing authorities, and will be in accordance with all applicable federal, provincial and local permitting requirements.

For more detailed information please refer to the Decommissioning Plan Report.





# Natural Heritage Assessment

#### **Existing Environment**

The terrestrial environment of the Project location is described as follows:

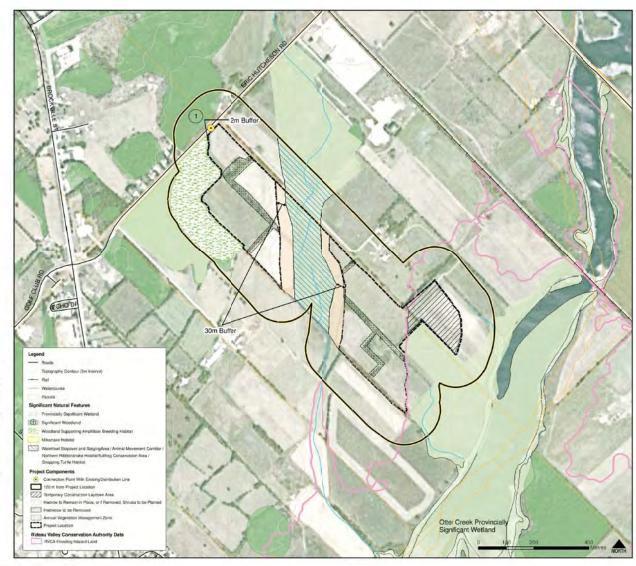
- · Primarily agricultural fields used for hay production
- · Remaining fields are open scrubland used for cattle pasture
- . Two woodlands occur within 120 m of the Project location
  - The woodland to the north is a significant woodland as it meets the requirements for woodland size and interior forest habitat
  - The woodland to the northwest supports amphibian breeding habitat
- Otter Creek provincially Significant Wetland (PSW) is located within 120 m of the Project location
  - The portion of the PSW that occurs in the between the north and south portions of the Project is a Waterfowl Stopover and Staging Area, Significant Animal Movement Corridor, Eastern Ribbonsnake Habitat, Bullfrog Conservation Area and Snapping Turtle Habitat
- All lands on and within 120 m of the Project location are significant wildlife habitat for Milkspake

#### Mitigation Measures for Environmental Protection

A variety of mitigation measures will be used to limit impact on the terrestrial environment. Examples of these include:

- Avoidance of significant natural features where possible
- Demarcation of work areas, such as Otter Creek PSW and associated wildlife habitat, in order to prevent encroachment beyond designated work areas
- Installation of flow dissipation measures (e.g., rock check dams or enhanced vegetated swales) to temporarily retain water, decrease flow velocity and filter sediment
- Discing or other soil loosening methods will be undertaken as required to prevent long-term impacts due to compaction
- · Construction outside of breeding bird period where possible
- · Visual search and removal of trapped wildlife following completion of fence
- Visual monitoring of work areas, equipment, and access roads prior to start of work each day to search for wildlife species, including Milksnake and Eastern Ribbonsnake

There will be no change to the existing environment outside of the Project location.





# Waterbodies

#### **Existing Environment**

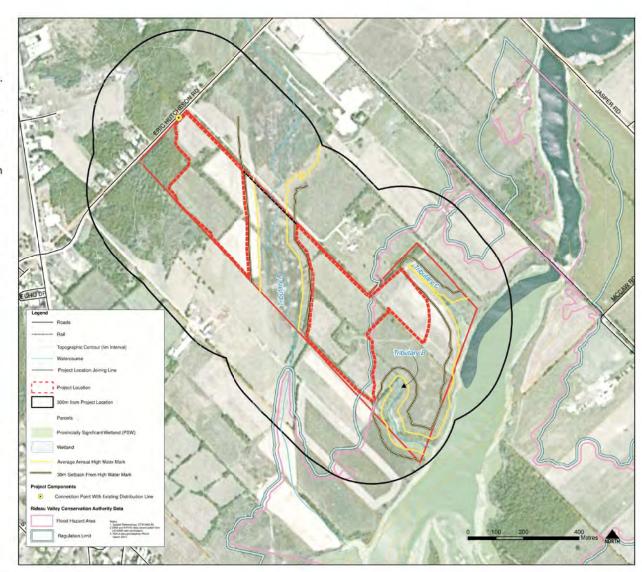
Tributaries A, B and C of Otter Creek occur within 120 m of the Project location. All the tributaries flow south towards Otter Creek. Tributaries B and C are known to serve as fish spawning habitat for Largemouth Bass, Yellow Perch, and Northern Pike.

#### Mitigation Measures for Environmental Protection

A variety of standard mitigation measures will be used to limit any impact on the aquatic environment. Examples of these include:

- Solar panels will not be installed within 30 m of the average annual high water mark of any waterbody
- Upgrading of the existing water crossing structure will be conducted in accordance with the Ministry of Natural Resources timing constraints to avoid disrupting fish during sensitive time periods
- Installation of overhead line crossing will occur perpendicular to the watercourse and poles will be placed outside of the 30 m buffer where possible and no machinery will be operated on the banks or within the annual high water mark of the watercourse
- Erosion and sedimentation controls

   (e.g., silt fencing, site stabilization, construction phasing)
- Stormwater management measures (e.g., site revegetation, enhanced vegetated swales)
- Spill prevention and response measures (e.g., handling protocols, secured storage areas, clean-up materials on-hand)
- Dust control measures (e.g., watering of access roads, tarping of stock piles)





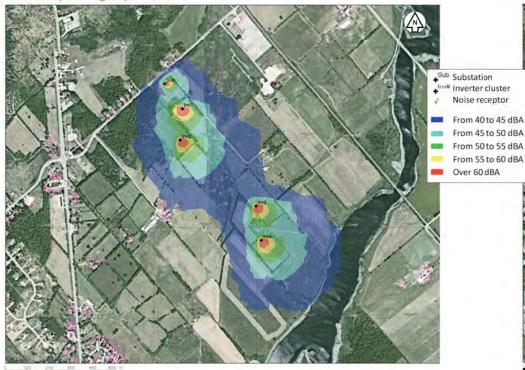
# Noise

The Noise Assessment Study was completed in accordance with the Ontario Ministry of the Environment's requirements. The equipment that emits noise are the transformer and the inverters. The Report shows that the Project meets the required noise level of below 40 dBA at the closest receptor. 40 dBA is the sound level of a quiet room.

Ontario uses the most conservative sound modeling available nationally and internationally, which is supported by experiences in the province and in other jurisdictions

(The Potential Health Impact of Wind Turbines - Chief Medical Officer of Health Report, Dr. Arlene King May 2010).

#### Noise map during day time



#### Noise map during night time







### Potential Issues - Groundwater

Recurrent Energy is aware of local citizens' concerns regarding well water quality during construction. We believe this is a highly localized issue and do not expect any similar issues with this Project.

Nonetheless, to address these concerns, we will be working closely with the Township and the Ministry of the Environment. We will establish a water quality test program before and during construction of neighboring wells for interested residents. If any issues do arise, Recurrent Energy will be able to address those quickly with the neighboring landowner.

The following table provides information on potential impacts to groundwater during construction and the measures proposed to mitigate any potential impacts.

Potential Impact	Mitigating Measures
If necessary, dewatering of excavations (e.g., for substation foundation) could occur which could result in effects on local groundwater table in immediate vicinity.	Minor impacts due to limited time (~2 weeks) If significant dewatering is necessary due to seepage into the excavation, measures to prevent seepage may be implemented. Any water pumped will be treated, if necessary, to meet MOE standards and then discharge onto a vegetated buffer area to return to the local area.
Increase soil compaction will limit water flowing through soil to the groundwater.	Soil loosening methods, such as discing will be undertaken in order to prevent long term impacts.
Spills from refuelling or leaky hoses could cause groundwater contamination.	Equipment and vehicles will be checked before use to prevent leaky hoses or other accidents. refuelling off site or only in designated areas, with appropriate containment.
Contamination of local drinking water is not anticipated as there are no contaminants given off by screw piles.	However, sampling of the neighbouring property owners wells will be taken prior to construction to serve as a baseline should neighbouring wells become contaminated.
Impacts to local drinking water wells during operations.	Well water will be used for panel cleaning. Panel cleaning is estimated to occur 3 times per year and use approximately 25,700 L of water over a 4-5 day period for each cleaning event. These low volumes will not effect groundwater wells. In addition, no cleaning solutions will be used, only water.

## **Property Values**

No studies have been completed on the impact to property values due to solar facilities. However, numerous studies have been completed to assess the potential impacts of wind facilities on adjacent property values. These studies have concluded that none of the models uncover conclusive evidence of the existence of any widespread property value impacts that might be present in communities surrounding wind energy facilities.

- Canning, G., and L. J. Simmons. (February 2010). Wind Energy Study Effect
  of Real Estate Values in the Municipality of Chatham-Kent. Canning
  Consultants Inc. & John Simmons Realty Services Ltd. Prepared for the
  Canadian Wind Energy Association.
- Hoen, B., Wiser, R., Cappers, P., Thayer. M., and G. Sethi. (December 2009).
   The Impact of Wind Power Projects on Residential Property Values in the United States: A Multi-Hedonic Analysis. Ernest Orlando Lawrence Berkeley National Laboratory. Prepared for the Office of Energy Efficiency and Renewable Energy.

Since solar facilities have less visual and noise impacts than wind turbines, property values in the area are not anticipated to be impacted by this Project. Noise from the Project will meet the regulatory requirements of 40 dBA. While change to the viewscape will occur, visual mitigation, such as planting shrubs may limit the impact. Recurrent Energy will strive to remain a good neighbour and not cause any harmful impact on the local community or immediate neighbours.



# Frequently Asked Questions

The following table identifies the most common questions and answers regarding solar power developments.

Questions	Answers
Soil Conditions  What are the long-term effects on the land beneath the solar panels?	A dense cover of grasses and legumes, adapted for growth in varying shade conditions will be planted and monitored in and around the solar panel field. This groundcover will maintain natural nutrient cycling processes to maintain soil fertility, minimize weed growth provide wildlife habitat, promote stormwater retention and uptake and prevent soil erosion. As per the Decommissioning Plan Report the site will be restored for agricultural use.
Visual Impacts What will the facility look like and will I be able to see it?	Fencing will consist of a 2.7 m (9 foot) security fence around the perimeter with an option of 3 lines of barb wire on top. Existing roadside and property line vegetation will be maintained where possible to provide visual screening to minimize sightlines of the facility and fencing.
Construction Traffic Will construction traffic cause delays?	Traffic during the approximately 8 month construction period may at times cause minor delays as vehicles enter and leave the sites. The site entrances, will incorporate proper turning radii (in accordance with Township road entrance requirements). Disruptions are expected to be minimal in duration.
Groundwater Will the project affect my well water?	Recurrent Energy is aware of local citizens' concerns regarding well water quality during construction. We believe this is a highly localized issue and do not expect any similar issues with this Project.  Nonetheless, to address these concerns, we will be working closely with the Township and the Ministry of the Environment. We will establish a water quality test program before and during construction of neighboring wells for interested residents. If any issues do arise Recurrent Energy will be able to address those quickly with the neighboring landowner.





# Frequently Asked Questions

The following table identifies the most common questions and answers regarding solar power developments.

Questions	Answers
Decommissioning  What if Recurrent Energy abandons the site? (e.g., due to bankruptcy).	Recurrent Energy is a wholly owned subsidiary of Sharp Corp., an international company with a long and stable future ahead. Under our contract with the landowner and under our agreement with the provincial government we are legally obligated to restore the land upon decommissioning. In the unlikely event of bankruptcy, the contracts and equipment installed at the project site are very valuable and would cover all decommissioning costs related to the projects.
Noise Will the inverters be noisy?	Some noise will be created by the electrical equipment (inverters and transformers) on site; however, the facilities have been designed to meet the stringent provincial noise guideline. Please refer to the Noise Reports for more detail. The panels that make up the vast majority of the facilities do not move and do not make any sound.
Snow Removal  How are you considering snow loads into this project?	Snow loading will be considered during the detailed design process to ensure that foundations and racking structures can withstand anticipated loading factors and that snow depth is accounted for in panel height determinations.
Emergencies What will happen in the case of fire or explosion?	Emergency response plans will be developed within the municipality prior to construction.
Shut Down How do you shut down the DC voltage in case of a malfunction?	Fault isolation equipment will be in place to identify voltage spikes and isolate portions of the system, as per Provincial standards.
Lightning What protection will be introduced if lightning strikes?	Modules and racking systems will be grounded as per all applicable electrical and safety codes.





# RE Smiths Falls 1 Solar Project

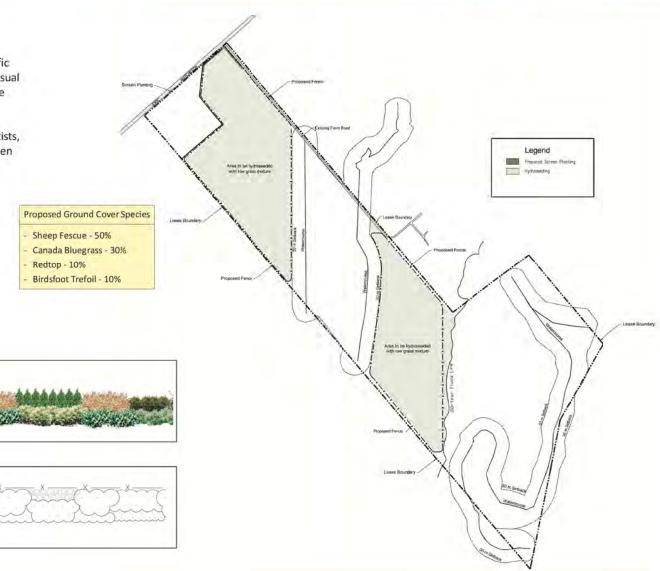
# Landscaping Plan

A landscaping plan, including planting selected trees and shrubs in specific areas around the perimeter, is planned to provide a pleasing, year-round visual screen. Periodic maintenance will be continued throughout the life of the project to ensure good aesthetics.

After consultation with professors from the University of Guelph, soil scientists, and expert agronomists, a low maintenance ground cover has been chosen that will be established in between and under the rows of solar panels.

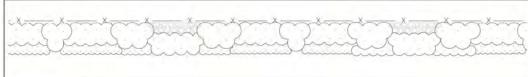
Benefits of this groundcover include:

- Improved fertility
- · Improvement in tilth
- · Stabilization of soil particles
- · Increased moisture holding capacity
- · Enhanced resistance to erosion





Typical Visual Screen Elevation



Typical Visual Screen Planting Plan





The next step in the process is for Recurrent Energy to prepare a Consultation Report, that documents your questions and concerns and communicates how your input has impacted the Project.

Following this, an application is made to the Ontario Ministry of the Environment (MOE) for approval.

Once received by the MOE, they will post the Project on the Environmental Registry (www.ebr.gov.on.ca). Comments, questions, concerns (from the community) can then be submitted to the MOE. Upon approval which can take up to six months, request for appeals can be made to the MOE.

# THANK YOU FOR ATTENDING THIS PUBLIC MEETING

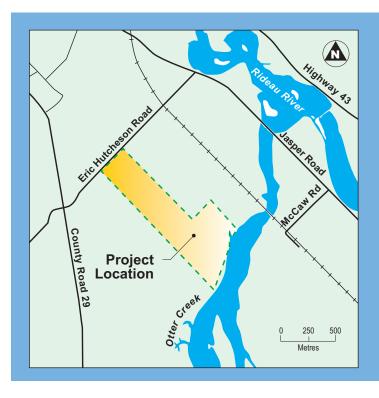
Your attendance at this meeting is appreciated. Please write down any comments, questions or concerns you have and place them in the comment sheet box.

Thank you for coming.





The RE Smiths Falls 1 Solar Project is being proposed by Recurrent Energy (the parent company of RE Smiths Falls 1 ULC). The RE Smiths Falls 1 Solar Project is a 10MW solar project located in the Township of Rideau Lakes. As a Class 3 solar facility, the Project must obtain a Renewable Energy Approval (REA) from the Ministry of the Environment prior to final approval. The REA process evaluates the impacts the Project could have on the social and natural environment and identifies strategies to mitigate potential negative effects. The public, First Nation and agency consultation is an integral part of the REA process. The purpose of this Public Meeting is to provide the opportunity for members of the public to obtain information about the Project and complete a comment sheet to state any comments or concerns. Following the Public Meeting, all comment sheets received will be reviewed, addressed as necessary and documented in a Consultation Report. For more information regarding the Project please refer to the website: www.ontariosolarfuture.ca.



#### **RE Smiths Falls 1**

Reports for each Project available for your review at www.ontariosolarfuture.ca, are:

- Project Description Report,
- Executive Summary,
- Construction Plan Report,
- Design and Operations Report,
- Decommissioning Plan Report,
- Stage 1 and 2 Archaeological Assessment Report,
- Noise Study Report,
- Natural Heritage Assessment Reports, and
- Water Body Assessment Reports.





#### **Solar Technology**

Recurrent Energy's projects use solar photovoltaic (PV) technology to produce clean electricity directly from sunlight. Solar PV is uniquely suited for distributed generation projects due to several important technical characteristics:

- Zero-emissions and quiet enough to be located near inhabited locations
- Highly modular and scalable to fit load requirements, available space, or transmission capacity

As a source of electricity, solar PV compares favourably to other types of renewable generation:

- Solar PV generates power during peak load periods, providing a cleaner alternative to fossil-fuel powered peaking plants
- Unlike solar thermal technologies, solar PV requires little water and has few moving parts which significantly reduces maintenance costs and environmental impact
- Solar PV is a mature technology with a long operating history, so performance and operating costs are highly predictable when compared to unproven new technologies

#### **Investing in Ontario's Green Economy**

Recurrent Energy's PV systems will create hundreds of Ontario jobs throughout the life of the projects — from the initial development, design and manufacture, to construction and ongoing maintenance. From our office in Toronto, Recurrent Energy is working closely with contractors and equipment vendors in Ontario helping to ensure significant benefits to the local economy. At least 60% of the materials for the projects will be made or sourced in Ontario.

#### A Powerful Vision for Ontario

Today, nearly 75% of Ontario's electricity comes from aging nuclear-, coal-, oil-, and gas-based generation facilities. However, a major shift toward renewable energy is under way. The Ontario Power Authority has committed to doubling its supply of clean energy by 2025 — a goal that will have a major positive impact on both the environment and the local economy.

Helping the province to meet its ambitious goals, Recurrent Energy is working to bring clean solar power to multiple sites and communities throughout Ontario. Approximately 22,000 homes can be powered by the output of Recurrent Energy's Ontario solar projects in the first year of operation.

#### **Recurrent Energy**

We develop, build and operate distributed solar power systems, connected to the existing distribution grid.

Our vision is to use proven solar technology to meet rising energy demand with a fleet of clean power facilities located right where they're needed most. With a project pipeline now in excess of 2GW, we're well on our way to achieving that vision.

#### To Express any Comments, Questions or Concerns please contact:

#### Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power Hatch Ltd.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at: www.ontariosolarfuture.ca



#### Introduction

Welcome to the Public Meeting for the proposed **RE Smiths Falls 1 Solar Project (the Project)**. The Project is proceeding through the Renewable Energy Approval (REA) process in accordance with the requirements of the Environmental Protection Act and the Renewable Energy Approval Regulation.

Consultation with the public is a key component of the REA process. The consultation being undertaken for this Project provides the opportunity for you to learn more about the proposed Project and provide any comments or concerns that you feel should be addressed.

## **Purpose of this Meeting**

The purposes of this Public Meeting are to:

- 1. Provide more detailed information regarding the Projects, as found in the REA reports prepared and released for public review on April 21, 2011
- 2. Provide an opportunity for you to discuss the Project with representatives from the Project team
- 3. Provide a means to submit your comments and/or concerns to the Project team for consideration through the remainder of the REA process.

## **Format of this Meeting**

This meeting is being undertaken in an open-house format where you can

- Review the display boards set up around the room that provide information on the Project
- Discuss any aspects of the Project with any of the Project team representatives here tonight

We invite you to review the display material at your own pace and engage in one-on-one discussions with the Project team, which includes representatives from

- RE Smiths Falls 1 ULC- company who will own and operate the Project
- Hatch the consulting company retained to assist with the REA process

## **Submitting Comments**

On the back of this page, there is a form provided to allow you to document any comments/concerns you may have. We encourage you to complete this form and place it in any of the comment submission boxes throughout the room or provide it to any Project team member.

In order to ensure that all comments and concerns from the public are captured, Project team members will also take notes during your discussions with them this evening.

Alternatively, comments can be provided by July 6, 2011: Kimberley Arnold, Manager, Environmental Services, Hatch 4342 Queen St, Suite 500, Niagara Falls, Ontario, L2E 7J7 Phone: 905-374-5200 Fax: 905-374-1157 Email: karnold@hatch.ca



. Please describe where you reside in relation to the Project location?		
2. Please provide as specific as pos	e any comments, issues or concerns you may have with the proposed development. Please be ssible.	
f you would yo address below:	u like to be included on the Project mailing list, please provide your name and full mailin	
	Name:	
	Mailing Address:	

Please note that all information provided on this form will become part of the formal record and will be published in Project reports that will be available for public review



# Appendix E Correspondence with the Public

#### McRae, Elizabeth

From: Bob Leah [bob.leah@recurrentenergy.com]

**Sent:** Friday, May 20, 2011 1:07 PM

To:

Cc: Arnold, Kimberley; Boucher, Noel; Aman Maharaj; Sean Caffyn Subject: RE: Final Public Meeting - RE Smiths Falls 1 ULC - Solar Project

Hello Ms

Thank you for your inquiry regarding our RE Smiths Falls 1 project. We apologize for the delay responding to you, some of your questions were very detailed and we have not finalized the design of the facility to have definitive answers. As we advance through the process of refining of our initial designs we will be able to answer some of your questions more precisely. Hopefully you find the answers below helpful.

- 1. How many transformers will be employed at the site? Our current design includes 1 main transformer and 8 mid level transformers in the inverters, and one station service transformer, for a total of 10 transformers.
- 2. Will this number of transformers be located in one spot, or scattered at various locations around the Project?

  Transformers will be distributed across the site. Two will be located in the substation fence near Eric Hutcheson Road and 8 will be located on the integrated inverter pads arranged throughout the facility.
- 3. What fluids will the transformers contain and what are the constituents of these fluids? Our current design specifies the use of FR3 Envirotemp (or equivalent) oil for all transformers. Regardless of the final oil and transformer selection, the project will adhere to all safety standards required for the installation and operation of transformers in Ontario.
- 4. Are there any Priority Substances in this transformer fluid and what are they? There are no hazardous substances in the fluid FR3 Envirotemp. It contains over 98.5% vegetable oil, with the remaining substances being antioxidant and cold flow additives and colour. The US Food and Drug Administration recognizes this a safe substance and allowed for human consumption.
- 5. What is the LC50 of the most toxic constituent of the transformer fluid? The LC50 measurement varies for different species, as noted in Item 4, it is very benign for humans.
- 6. What is the texture of the soil and overburden on the site and the direction of shallow and deep groundwater flow from the site? The soil profile varies somewhat across the site, but the general soil makeup consists of a thin layer of topsoil overlying discontinuous layers of silty sand to sandy silt and silt with clay which, in turn, is underlain by glacial till soils which are predominantly silty sand in texture. Bedrock depth varied from a depth of 2.6 m to 6.6 m across the project site. Surface water runoff from the northwest portion of the site generally occurs towards the tributary that runs beneath the transmission line corridor, while the rest of the site generally drains towards Otter Creek. Local groundwater flow is likely in a more easterly direction towards Otter Creek.
- 7. How/where does the Project connect to the grid is it at the Eric Hutcheson station? Feeder connections are determined by the Local Distribution Company which in this case is Hydro One. The project is tentatively planned to connect to the 44 kV feeder along Eric Hutcheson Road that originates at the Smiths Falls Transformer Station immediately east of the project site.
- 8. Who is/will be the operating Company for the Project? The operating company is RE Smiths Falls 1 ULC which is a subsidiary of Recurrent Energy and Sharp Corporation. Maintenance and other services may be outsourced to third parties.

Again, we thank you for your questions. Additional information for this project can be found on the Projects page of our website: <a href="www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a> and at the township offices. Please let us know if you have any additional questions.

We hope to have the opportunity to meet you at our open house for this project scheduled for June 23<sup>rd</sup>.

Sincerely,

#### **Bob Leah**

.....

**Bob Leah** 

Director of Development, Canada RECURRENT ENERGY (c) 630.936.0652 (e) bob.leah@recurrentenergy.com

WWW.RECURRENTENERGY.COM

From:

**Sent:** May 2, 2011 11:01 AM

To: Arnold, Kimberley

Cc:

Subject: Final Public Meeting - RE Smiths Falls 1 ULC - Solar Project

Importance: High

Kimberley,

I own the property (jointly with my sister Lillian Carol Joynt) directly N of this Project across the Eric Hutchison Road in the Rideau Lakes Township.

I would like to ask you some questions about the Project.

The photovoltaic panels will sit on racking structures and transformers will be used to step up the AC voltages:

- 9. How many transformers will be employed at the site?
- 10. Will this number of transformers be located in one spot, or scattered at various locations around the Project?
- 11. What fluids will the transformers contain and what are the constituents of these fluids?
- 12. Are there any Priority Substances in this transformer fluid and what are they?
- 13. What is the LC50 of the most toxic constituent of the transformer fluid?
- 14. What is the texture of the soil and overburden on the site and the direction of shallow and deep groundwater flow from the site?
- 15. How/where does the Project connect to the grid is it at the Eric Hutcheson station?
- 16. Who is/will be the operating Company for the Project?

Please acknowledge that you received this email.



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# **Appendix F Correspondence with Agencies**



# Appendix F1 Correspondence with Parks Canada

----Original Message----

From: Donald.Gibson@pc.gc.ca [mailto:Donald.Gibson@pc.gc.ca]

Sent: Wednesday, March 10, 2010 10:53 AM

To: Iamonaco, Christine

Cc: 334680; Iamonaco, Christine; Arnold, Kimberley; Boucher, Noel; <a href="mailto:andrea.mcneil@pc.gc.ca">andrea.mcneil@pc.gc.ca</a>; <a href="mailto:Brian.Grimsey@pc.gc.ca">Brian.Grimsey@pc.gc.ca</a>; <a href="mailto:don.marrin@pc.gc.ca">don.marrin@pc.gc.ca</a>;

charles.billington@rvca.ca

Subject: Re: Rideau River and Recurrent Solar Power Project Sites

#### Hi Christine:

Thank you for your inquiry and follow up telecon concerning the potential impact of proposed solar energy facilities in proximity to the Rideau Waterway. The entire length of the Waterway including the Rideau River and the Rideau and Tay Canals was designated as a Canadian Heritage River ten years ago. The purpose of this national designation was to recognize and protect the Waterway's many outstanding human heritage

(cultural/historical) values and recreational opportunities. As I mentioned to you on the phone, the Rideau has also been designated as a World Heritage Site and as a National Historic Site.

Responsibility for the management of the waterway rests with the Eastern Ontario Field Office of Parks Canada which is located in Smiths Falls Ontario. I would, therefore, suggest that you contact the Field Unit Superintendent (Mr. Don Marrin) directly with your inquiry. The Rideau Valley Conservation Authority (RVCA) also has some responsibility to review and approve developments along the banks of the Rideau. I would suggest, therefore, that you also get in touch with Charles Billington of the RVCA to discuss this project. Mr. Billington may be reached at <a href="mailto:charles.billington@rvca.ca">charles.billington@rvca.ca</a>

Once again, thank you for your interest in the Canadian Heritage Rivers System and the heritage values of the Rideau.

Don Gibson, National manger CHRS Program From: "Iamonaco, Christine" < <a href="mailto:clamonaco@hatch.ca">CIamonaco@hatch.ca</a>>

To: <donald.gibson@pc.gc.ca>

Cc: "Boucher, Noel" < NBoucher@Hatch.ca>, "Arnold, Kimberley"

<KArnold@HatchEnergy.com>, "334680"

<334680@hatch.ca>, "Iamonaco, Christine" <<u>CIamonaco@hatch.ca</u>>

Date: 05/03/2010 03:44 PM

Subject: Rideau River and Recurrent Solar Power Project Sites

Dear Mr. Gibson:

I am emailing you to follow up on a phone call/ phone message regarding the siting of six solar energy projects in Lanark, and Leeds and Grenville County, being proposed by Recurrent Energy. The sites appear to be within the Rideau River watershed. As part of our heritage assessment of the sites, we want to ensure that there are no heritage values associated with the six solar sites (listed below) or adjacent to the sites. The sites selected for the solar power projects are on agricultural land.

Below is a list of the proposed sites, including geographic co-ordinates. I would appreciate it if you were able to confirm if development of solar power facilities on these sites have the potential to affect the heritage sites and heritage values of the Rideau River Watershed.

Project Properties
Smiths Falls Site 1 (Hunter)
57 Eric Hutcheson Rd., Smiths Falls ON K7A 4F5

Coordinates: Latitude: 44.869241 degrees Longitude:

-76.003068 degrees.

County: United Counties of Leeds and Grenville

Smiths Falls Site 2 (Hess) 514 Buttermilk Hill Rd. / Perth, Ontario K7H 3C3

Coordinates: Latitude: 44.953894 degrees Longitude: -76.114942

degrees

County: Lanark

Smiths Falls Site 3 (McPherson)
Part Lot 8, Concession 9 North Elmsley / north of Armstrong
Road, the easternmost corner of the property is 0.53km

southwest of the intersection of Armstrong Road and Burns Rd. north of Smiths Falls, ON, Smith Falls, ON K7A 4S4

Coordinates: Latitude 44.931294 degrees Longitude -76.121609

degrees

County: Lanark

Smiths Falls Site 4 (Wilcox) 319 Drummond Concession 1 / Perth ON K7H 3C3

Coordinates: Latitude: 44.946724 degrees Longitude: -76.140294

degrees

County: Lanark

Smiths Falls Site 5 (Letts)
North-east Half Lot 8, Con. 10 North Elmsley, Part South-west
Half Lot 8, Con. 10. North Elmsley / northwest of Armstrong
Road at the intersection of Armstrong Rd. and Station Road,
Smiths Falls, ON K7A

Coordinates: Latitude: 44.920535 degrees Longitude -761333550

degrees

County: Lanark

Smiths Falls Site 6 (Anderson)

Property does not have a civic address. It is north of Kitley South Elmsley Townline Road at the intersection of Kitley South Elmsley Townline Road and Hutton Road, Township of Rideau Lakes, United Counties of Leeds and Grenville, ON, K7A 4F5, Part Lot 3, Concession 1, South Elmsley.

Coordinates: Latitude 44.857643 degrees Longitude:-75.985486

County: United Counties of Leeds and Grenville

I appreciate any information you are able to provide. Please do not hesitate to contact me if you have any questions or require any additional information.

Regards, Christine Iamonaco Social Impact Management Specialist Environment & Community Interface

**HATCH** 

Tel: +1 905 855 7600
Direct: +1 905 491 7106
Email: ciamonaco@hatch.ca

Fax: +1 905 855 8270

2800 Speakman Drive, Mississauga, Ontario Canada L5K 2R7

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#### McRae, Elizabeth

From: Iamonaco, Christine

Sent: Monday, March 15, 2010 10:48 AM

To: 'valerie.blazeski@pc.gc.ca'

334680; Arnold, Kimberley; Boucher, Noel Cc: Subject: Solar energy projects near Rideau River

#### Dear Valerie Blazeski:

I am following up your response phone message regarding six solar energy projects proposed by Recurrent Energy in Lanark County and the United Counties of Leeds and Grenville. The Projects are proposed to be located within the Rideau River watershed, noted to be designated as a Canadian Heritage River Watershed; a National Historic Site; and a World Heritage Site. As part of our assessment of the solar project sites, we would ask your advice in determining the potential cultural, or heritage values in the vicinity of the sites as pertaining to the Rideau River, under any or all of its official designations, including built heritage or cultural heritage landscapes.

I have listed below, the location of the proposed sites, including geographic co-ordinates. Attached are the location maps of each of the six sites.













Smiths Falls 1 Data Smiths Falls 2 Data Smiths Falls 3 Data Smiths Falls 4 Data Smiths Falls 5 Data Smith Falls 6 Data Request.pd...

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#### **Project Sites**

#### **Smiths Falls Site 1**

57 Eric Hutcheson Rd., Smiths Falls ON K7A 4F5

Coordinates: Latitude: 44.869241 degrees Longitude:-76.003068 degrees.

**County:** United Counties of Leeds and Grenville

Nature of Land: Corn/soybean

#### **Smiths Falls Site 2**

514 Buttermilk Hill Rd. / Perth, Ontario K7H 3C3

Coordinates: Latitude: 44.953894 degrees Longitude: -76.114942 degrees

County: Lanark

Nature of Land: None (scrub or fallow)

#### **Smiths Falls Site 3**

Part Lot 8, Concession 9 North Elmsley / north of Armstrong Road, the easternmost corner of the property is 0.53km southwest of the intersection of Armstrong Road and Burns Rd.

north of Smiths Falls, ON, Smith Falls, ON K7A 4S4

Coordinates: Latitude 44.931294 degrees Longitude -76.121609 degrees

County: Lanark **Nature of Land:** Hay

#### Smiths Falls Site 4

319 Drummond Concession 1 / Perth ON K7H 3C3

Coordinates: Latitude: 44.946724 degrees Longitude: -76.140294 degrees

County: Lanark

Nature of Land: Pasture

#### Smiths Falls Site 5

North-east Half Lot 8, Con. 10 North Elmsley, Part South-west Half Lot 8, Con. 10. North Elmsley / northwest of Armstrong Road at the intersection of Armstrong Rd. and Station Road,

Smiths Falls, ON K7A

Coordinates: Latitude: 44.920535 degrees Longitude -761333550 degrees

County: Lanark Nature of Land: Hay

#### **Smiths Falls Site 6**

Property does not have a civic address. It is north of Kitley South Elmsley Townline Road at the intersection of Kitley South Elmsley Townline Road and Hutton Road, Township of Rideau Lakes, United Counties of Leeds and Grenville, ON, K7A 4F5,

Part Lot 3, Concession 1, South Elmsley.

Coordinates: Latitude 44.857643 degrees Longitude:-75.985486

County: United Counties of Leeds and Grenville

Nature of Land: Corn/soybean

I appreciate any information you are able to provide. Please do not hesitate to contact me if you have any questions or require any additional information.

Regards,

#### Christine lamonaco

Social Impact Management Specialist Environment & Community Interface

**HATCH** 

Tel: +1 905 855 7600 Direct: +1 905 491 7106 Email: ciamonaco@hatch.ca

Fax: +1 905 855 8270

2800 Speakman Drive, Mississauga, Ontario Canada L5K 2R7



Lieu historique national du Canal-Rideau parcscanada.gc.ca

> Rideau Canal National Historic Site of Canada 34 Beckwith Street South Smiths Falls, ON K7A 2A8

June 23, 2010

Attention: Kim Arnold, Manager Environmental Services and Renewable Power Hatch 4342 Queen Street Suite 500 Niagara Falls, Ontario, Canada L2E 7J7

Subject:

Solar Projects - Smiths Falls 1 Project, Smiths Falls 6 Project

#### Dear Ms Arnold:

Thank you for circulating Parks Canada on this proposed project. The Rideau Canal is a National Historic Site of Canada, a Canadian Heritage River and a UNESCO World Heritage Site. It is operated by Parks Canada to preserve the cultural, natural and scenic values so that all Canadians can enjoy and experience this legacy into the future.

In order to comment on the proposed project, we require the following information:

- Site location and analysis:
  - Contextual mapping that clearly identifies the site location in relation to the Rideau Canal, including distance from the canal;
  - o Identification of any nearby significant heritage features or attributes associated with the canal such as locks, blockhouses, lockmasters' houses, etc.
  - o Are there other green energy projects existing or proposed nearby?
- Description of the proposed project:
  - o Height, scale, number of structures, site coverage, etc.
- Preliminary impact assessment:
  - Will any natural heritage features (such as wetlands, species at risk) be impacted by the proposed project? (yes/no) If yes, please provide the report that will be submitted to the MNR as per the REA process
  - Is the project visible from the Rideau Canal or any significant heritage features as identified above? (yes/no) Please provide relevant photographs and/or scale drawing to illustrate.



Lieu historique national du Canal-Rideau parcscanada.gc.ca

Proposed mitigation:

 Please describe any proposed mitigative measures to address the impacts above (example: vegetative screening or setbacks to address visual impacts).

If you have any questions on the above, please feel free to contact me.

Sincerely,

Susan Millar, B.Comm., M.Sc. Eastern Ontario Field Unit

Parks Canada

T: 613-283-7199, ext. 242

F: 613-283-0677

E: susan.millar@pc.gc.ca





August 27, 2010

Susan Millar Parks Canada 34 Beckwith Street South, Smiths Falls, ON, K7A 2A8

Dear Ms. Millar:

**Subject:** RE Smiths Falls 1

**Recurrent Energy Solar Project** 

In response to your letter dated June 23, 2010, we are providing further information below to further assist you in your assessment of the proposed RE Smiths Falls 1 solar project (the "Project'). Attached to this letter, we are also providing the following information, as per your request:

- a map displaying the Project location in relation to the Rideau Canal (the "Canal"), which also provides any nearby significant heritage features
- photographs taken in the direction of the proposed Project site from the Canal on July 24, 2010.
   Weather conditions at the time photographs were taken were fair with clear visibility.

#### **Project Location and Description**

The proposed Project, which has a leased area of approximately 48 ha, is located at 57 Eric Hutcheson Rd. in the Township of Rideau Lakes. The Project will be capable of producing approximately 14.7 million kWh in the first year of production, which would power approximately 1450 homes in Ontario. The proposed project will utilize 230 W to 280 W crystalline photovoltaic modules and 1-MW inverters with a 7/10.5-MVA power transformer to step up the power to grid voltage. Potentially, there could be upward of 40,000 solar panels covering a portion of the 48 ha of the leased property. These panels can range in height from 2.5 m to 4 m. As well, lay-down areas, substations, access roads and associated security fencing would also be installed. It is expected that construction would start in summer 2011, with an anticipated commercial operations date of October 2012.

The Project is approximately 1 km away from the canal with several farms located between the Project site and the canal. As shown on the attached map, the closest historical structure on the Rideau Canal National Historic Site is Edmonds Locks, located approximately 1.3 km away from the Project site. Edmonds Locks is separated from the Project site by Otter's Creek and several farm fields.





© Hatch 2011/06



At this time, the only other green energy project proposed nearby of which we are aware is Recurrent Energy's proposed RE Smiths Falls 6 solar project, which is located south of the Project across Otter Creek. A separate letter with similar information as requested by Rideau Canal National Historic Site has been provided for RE Smiths Falls 6.

#### **Environmental Impacts**

An assessment of the potential environmental impacts associated with the Project is required in several reports prepared under *Ontario Regulation 359/09*. These reports are currently under review by the Ontario Ministry of Natural Resources and will be publicly available through Recurrent Energy's website <a href="https://www.ontariosolarfuture.com">www.ontariosolarfuture.com</a>. At this time, it is anticipated that the Project will result in no significant impacts on the surrounding natural environment.

#### Visual Analysis

Photographs taken from the canal in the direction of the Project demonstrate that there is no visual pathway from the canal that would enable individuals on the canal to observe the Project site. Based on the views from the canal, the factors that impact visibility from the Project site are distance and trees between the Project site and the canal. Therefore, no further mitigation would be necessary, since there will be no visual impact from any vantage point on the canal and no negative impacts on the aesthetic quality of the Rideau Canal National Historic Site.

I hope that this additional information will provide you with the necessary information to complete your assessment of the proposed RE Smiths Falls 1 solar project. If you require any further assistance or clarifications please do not hesitate to contact me.

Sincerely,

\*

Kimberley Arnold Manager – Environmental Services, Renewable Power

Email: karnold@hatch.com

KA:mg Attachment

cc: Bob Leah Sean Caffyn







Figure 1: RE Smiths Falls 1 – West-southwest toward the Project Site (Sm1-1)







Figure 2: RE Smiths Falls 1 - Southwest toward the Project Site (Sm1-2)







Figure 3: RE Smiths Falls 1 - Southwest toward the Project Site (Sm1-3)



Lieu historique national du Canal-Rideau parcscanada.gc.ca

> Rideau Canal National Historic Site of Canada 34 Beckwith Street South Smiths Falls, ON K7A 2A8

September 15, 2010

Attention: Kimberley Arnold, Manager Environmental Services and Renewable Power Hatch 4342 Queen Street, Suite 500 Niagara Falls, Ontario, Canada L2E 7J7

Subject: Recurrent Energy Solar Projects - Smiths Falls 1 and Smiths Falls 6

#### Dear Ms Arnold:

Thank you for providing Parks Canada with further information regarding thee two proposed solar projects, Recurrent Energy Smiths Falls 1 and Smiths Falls 6.

As you know, the Rideau Canal National Historic Site of Canada, a Canadian Heritage River and a UNESCO World Heritage Site, is administered by Parks Canada to preserve the cultural, natural and scenic values so that all Canadians can enjoy this legacy into the future. All parties have a responsibility to ensure the stewardship and conservation of this internationally recognized waterway. Our comments are offered in the spirit of producing a result that will protect the Rideau Canal and its unique historical setting.

The projects' descriptions, photographs and mapping served to provide a better understanding of the scope, location and impact of the proposed solar projects, and allowed us to make an informed decision. Following a review of the submissions, Parks Canada is satisfied that there will be no negative impacts on the cultural heritage values and viewscape of the Rideau Canal.

If you have any questions on the above, please feel free to contact me.

Best Regards,

Dorl Marrin Superintendent



# Appendix F2 Correspondence with MOE



RE Smiths Falls 1 ULC

December 22, 2009

Ms. Doris Dumais Director, Environmental Assessment and Approval Branch The Ministry of the Environment 2 St. Clair Avenue West, Floor 12A Toronto, ON M4V 1L5

Re: Project Description Report - RE Smiths Falls 1

Dear Ms. Dumais,

RE Smiths Falls 1 ULC is excited to submit the following Draft Project Description Report as the first step to completing the Renewable Energy Approval (REA) for this solar generation facility. This project is one of a number of unique projects submitted by Recurrent Energy to the Ministry of the Environment (MOE) following the application for a FIT contract with the Ontario Power Authority under the 2009 FIT launch program.

RE Smiths Falls 1 ULC is committed to providing the clean electrical benefits of solar generation and insuring that the environment is protected for the benefit of future generations. The forward thinking for permitting renewable energy projects under the *Green Energy and Green Economy Act and* Ontario Regulation 359/09 will both promote the installation of renewable energy in Ontario and insure that the environment is protected.

This report will provide the MOE and other stakeholders with preliminary information describing the planned solar facility and this company's strategy to mitigate the impact to the environment. This includes:

- Detailed information about the site, including a map showing the land within 300 meters of the project facility;
- Description of the planned 10 MW AC solar photovoltaic system that will be used to generate electricity;
- Expected activities during construction, operation and decommissioning of the facility;
- Potential environmental impact of these activities and preliminary information on mitigation measures;
- Detailed information about the project ownership;
- Outline of future reports, consultations and environmental assessments to be submitted as part of the REA process.

As a response to this submission, please provide RE Smiths Falls 1 ULC with the list of First Nations/Aboriginal communities to be consulted with and the form as approved by the Director in which consultation should be carried out as referenced in Section 17(1) of Ontario Regulation 359/09.

Thank you for the opportunity to participate.

Very truly yours,

Sheldon Kimber Authorized Signer

RE Smiths Falls 1 ULC

#### **Ministry of the Environment**

P.O. Box 22032 Kingston, Ontario K7M 8S5

613/549-4000 or 1-800/267-0974

Fax: 613/548-6908

#### Ministère de l'Environnement

C.P. 22032 Kingston (Ontario) K7M 8S5 613/549-4000 ou 1-800/267-0974 Fax: 613/548-6908



MEMORANDUM

04 February 2011

TO: N. Matthews

> Sr. Environmental Officer Kingston District Office

**Eastern Region** 

FROM: F. Crossley

Hydrogeologist

**Technical Support Section** 

Eastern Region

RE: Pre-Construction Survey – Groundwater Monitoring Program

> Recurrent Energy Solar Farms Township of Rideau Lakes

Recurrent Energy is intending to construct two solar farms in the Township of Rideau Lakes. The solar farms are identified as: Smiths Falls 1 and Smiths Falls 6.

Previously two solar farms were constructed in the Township of Rideau Lakes (Geographic Region of South Elmsley). This Ministry received numerous groundwater quality complaints during the construction of the solar farms. The groundwater quality complaints were related to the occurrence of "cloudy" (turbid) well water.

This Ministry (Kingston District Office) undertook a groundwater sampling program. This Ministry concluded that the construction activities at the solar farm (Western Solar Farm) adversely impacted (turbid) some nearby water wells (November 17, 2010 Crossley). The impacts are/were related to the construction activities (subsurface drilling program) in a sensitive hydrogeological setting (thin to non existent overburden cover which provides limited attenuation capabilities overlying fractured bedrock).

This Ministry (Kingston District Office) took a proactive approach and contacted Recurrent Energy regarding their proposed construction of two solar farms in the Township of Rideau Lakes. It was agreed that a groundwater monitoring program would be conducted prior to construction activities to acquire background groundwater quality in the vicinity of the proposed solar farms. Recurrent Energy requested that this Ministry provide a recommended groundwater monitoring program.

To this end, the Ministry recommends the following groundwater monitoring program:

- Contact all well owners within 500 metres of the site boundaries prior to the commencement of construction activities and seek permission to undertake a groundwater survey. If permission is granted then:
  - interview the residents regarding well construction, groundwater quality, groundwater quantity and well locations to establish a history of the water well.
  - collect a water well sample from the well after allowing the distribution system to flow for approximately 5 minutes. The sample should be collected prior to any treatment systems ("raw").
  - submit the water sample for analysis to a qualified laboratory. The analysis should be the "subdivision suite" (alkalinity, ammonia, bacteria, calcium, chloride, colour, conductivity, DOC, hardness, iron, magnesium, manganese, nitrite, nitrate, pH, potassium, sodium, sulphate, TDS and turbidity).
  - establish a contingency plan by a qualified person.

The groundwater monitoring program should be conducted under the supervision of a qualified person (P.Eng. or P.Geo.). The survey information should be summarized in a report by a qualified person and a copy forwarded to this Ministry.

In the event that a complaint arises, against the construction activities, Recurrent Energy should repeat the survey at the complainant's residence. The water samples should be submitted as "high priority" to a qualified laboratory. If a problem is confirmed related to the construction activities at Recurrent Energy, then Recurrent Energy should immediately provide bottled water to the impacted party and implement their contingency plan. This Ministry should be notified of any complaints, valid or invalid, and the company's actions to address the complaints.

F. Crossley, P.Geo.

/sh

ec: B. Kaye

P. Taylor

c: File GW-03-06, RILA (Recurrent Energy)

FC/IDS #2101-8D3SGA

hor Courty



April 7, 2011

N. Matthews Sr. Environmental Officer Kingston District Office, Eastern Region P.O. Box 22032 Kingston, Ontario K7M 8S5

Dear Ms. Matthews,

I am writing in response to your memorandum of February 4, 2011, regarding establishment of a preconstruction survey and groundwater monitoring program in the area of our proposed solar projects.

Recurrent Energy is developing 6 solar projects in the Smiths Falls area. Two projects are in the Rideau Lakes Township, MOE Kingston District, and four projects are located in Drummond North Elmsley Township, MOE Ottawa District. We have been following the water quality issues that have arisen with respect to the EDF EN projects constructed last fall in the Rideau Lakes Township. While Recurrent Energy believes the water issues with those projects were a unique combination of geography, hydrology, and weather, we are sensitive to the public concerns that similar problems might appear at other solar projects that require similar construction techniques.

Per our discussions, Recurrent Energy agrees to adopt and, in fact exceed, the recommendation by the Ministry of the Environment to put in place a water quality assessment and monitoring program for our project sites in the Smiths Falls area. Under this program Recurrent Energy will contact all well owners within 500 meters of the site boundaries prior to the commencement of construction activities and seek permission to undertake a groundwater survey. If permission is granted, then we will:

- 1. Interview the residents regarding well construction, groundwater quality, groundwater quantity and well locations to establish a history of the water well.
- 2. Collect a water well sample from the well after allowing the distribution system to flow for approximately 5 minutes. The sample will be collected prior to any treatment systems ("raw").
- 3. Submit the water sample for analysis to a qualified laboratory. The analysis will consist of the "subdivision suite" (alkalinity, ammonia, bacteria, calcium, chloride, colour, conductivity, DOC, hardness, iron, magnesium, manganese, nitrite, nitrate, pH, potassium, sodium, sulphate, TDS and turbidity).
- 4. Establish a contingency plan by a qualified person.

The groundwater monitoring program will be conducted under the supervision of a qualified person (P.Eng. or P.Geo.). The survey information will be summarized in a report by a qualified person and a copy will be forwarded to this Ministry.

In the event that a complaint arises against construction activities, Recurrent Energy will repeat the survey at the complainant's residence. The water samples will be submitted as "high priority" to a qualified laboratory. If a problem is confirmed related to our construction activities, then we will immediately provide bottled water to the impacted party and implement the contingency plan. The Ministry of Environment will be notified of any complaints, valid or invalid, and of our actions to address the complaints.

In addition to MOE's recommendations, Recurrent Energy will periodically repeat well samplings of nearby wells during the construction phase as an additional precaution. The costs of this program will be carried by Recurrent Energy, its affiliates, or partners.

We wish to thank the Ministry of the Environment for helping us proactively address this issue of public concern and for providing key inputs to the details of the baseline testing and monitoring program. We look forward to being part of these communities for a long time as good neighbors and responsible corporate partners.

Sincerely,

Robert Leah

Director of Development, Canada

**Recurrent Energy** 

ec: Tara MacDonald, Sr. Environmental Officer, Ottawa MOE District

Sheldon Laidman, Manager of Development Services, Township of Rideau Lakes Shawn Merriman, Chief Building Official, Township of Drummond/North Elmsley Kimberly Arnold, Manager - Environmental Services, Renewable Power, Hatch



# Appendix F3 Correspondence with MNR



Minutes of Meeting

March 9, 2010

Recurrent Energy Inc.
Renewable Energy Approvals Kemptville District Solar Projects

#### **DISTRIBUTION**

Christine Iamonaco (CI), Hatch

Those present +
David Brochu, Recurrent Energy
Bob Leah, Recurrent Energy
Kimberley Arnold, Hatch

# Project Kick-off Meeting with Ontario Ministry of Natural Resources -Kemptville District

MEETING DATE: February 24, 2010

LOCATION: MNR Office, Kemptville, Ontario

PRESENT: Scott Smithers (SS) Sean Male (SM), Hatch

Ontario Ministry of Natural Resources

(MNR)

Tammy Watson (TW), MNR

Sean Caffyn (SC)

Recurrent Energy (Recurrent)

PURPOSE: To introduce Recurrent Energy and their six proposed projects within

MNR's Kemptville district

ITEM ACTION BY

# 1. Introduction to Recurrent Energy and Hatch

- SM opened the meeting by discussing the agenda and addressing the purpose:
  - to introduce Recurrent and Hatch, and the proposed Projects to MNR
  - to discuss Project schedules
  - to discuss potential environmental issues/concerns associated with each Project

WorkingTogether

- to discuss MNR review process.
- SC provided background information on Recurrent Energy

If you disagree with any information contained herein, please advise immediately.



## 2. Renewable Energy Approvals Process

- Consultation:
  - SM/CI noted that there will be two public information centres (PICs) to which MNR will be invited; in addition, consultation will be ongoing with upper and lower tier municipalities.
- MNR Review Process:
  - SC requested clarification on MNR review process.
  - SS noted that they are working toward a 45 day review period for the natural heritage reports that are submitted to them, though this could be expected to be longer during the summer when staff are away. SS noted that these projects appear fairly straight forward and sees it similar to the aggregate approval process.
  - SS noted that reports will be distributed to himself, Tammy, and possibly additional experts, such as species at risk expert, within the district office as required.

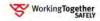
# 3. Project Descriptions

- SC described the project components and layout of a typical solar project.
   Discussion centered around the following issues associated with project layouts:
  - site fencing and surface cover
    - sites will be fenced, anticipate the use of typical fencing
    - ground cover will be provided, anticipate grasses with a maximum growth of 2 ft to minimize maintenance requirements
    - mowing may be required, herbicides not preferred
    - SS raised potential issue of wildlife being attracted to ground cover; could get bears or deer crossing fence; SS indicated that Recurrent staff can contact MNR to discuss

Recurrent (SC)

- SS also mentioned that site could be very attractive for wild turkeys, and a roost could develop; noted that scare equipment may be appropriate
- SS noted that Recurrent should consider height of fence and potential impacts of wildlife on project.

Recurrent (SC)





# **4.** Discussion of Environmental Features around Project Sites

Each of the sites was discussed individually, and potential concerns relating to environmental features were discussed. These are identified by Project site below.

#### 4.1 RE Smith Falls 1

- SS noted that the arrangement of the site, i.e. from the roadway right to the creek may affect wildlife movement in the area
  - SS noted that watercourses act as natural corridors for wildlife movement;
     if sites did not require fencing, there would be no concern
  - SS asked if a corridor could be maintained between the road and Otter Creek to allow for wildlife movement
  - SM noted that there is a water course crossing the property which would require a 30 m setback from the high water mark; suggested this could serve as a potential corridor for movement. Hatch to consider potential impacts to wildlife movement and Recurrent to consider possibility of maintaining a corridor through the site

Hatch (SM) / Recurrent (SC)

 SS noted that seasonal flooding from Otter Creek may occur onto the Project boundary, and that these areas can serve as potential pike spawning habitat.
 This would need to be considered during site investigations.

Hatch (SM)

 SS stated that Hatch would need to be on site during spring freshet to assess extent of flooding; electro-shocking may be required. SM noted that he would discuss with aquatic biologist at Hatch and suggested that he will contact SS to discuss

Hatch (SM)

- SM requested clarification on the methodology of determining high water mark, as required by the REA Regulation
  - SS stated that high water mark is highest point in any given year, and can be determined based on vegetation species composition, presence of flotsam and jetsam, etc. SM noted that this is what Hatch has interpreted as well.



© Hatch 2011/04



- Other potential areas to be considered during site investigation as identified by MNR:
  - presence of species at risk (such as Blanding's Turtle which can be found in nearby wetland)
  - amphibian calling study should be completed on the site; this could be completed at the same time as the watercourse studies
  - Hatch will prepare a proposed baseline program for MNR review to ensure areas of interest are addressed.

Hatch (SM)

#### 4.2 RE Smith Falls 2

- SS noted that Project area overlaps Black Creek Provincially Significant Wetland (PSW). SC stated that the Project would not intrude on the wetland or the forested areas identified in the northern extent of the Project site.
- SC noted that some tree clearing may be required, mostly within areas currently identified as scrub. SS noted that this would be acceptable, however investigations for species at risk, such as Loggerhead Shrike and butternut within these areas is required. Hatch to include such assessment within proposed baseline program.

Hatch (SM)

#### 4.3 RE Smith Falls 3

- SM noted that site is adjacent to a wetland assessed as locally or regionally significant. SS noted that they have no concerns with respect to nonprovincially significant wetlands.
- SS noted that within these fallow fields there is a high potential for butternut and shrike. Hatch to consider during site investigations.

Hatch (SM)

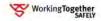
#### 4.4 RE Smith Falls 4

- SS noted no additional concerns beyond those expressed with respect to RE Smith Falls 3.
- SS noted that RE Smith Falls 2 through 5 are in close proximity to each other.
   SS requested a single map showing locations of all 4 projects. Hatch to provide.

Hatch (SM)

 SS noted that the potential implications to wildlife movement of all projects will need to be considered; i.e., not funnelling wildlife to areas where they shouldn't be going. Hatch agreed to consider the potential impacts to wildlife movement.

Hatch (SM)





#### 4.5 RE Smith Falls 5

• SS noted no additional general concerns beyond those expressed with respect to RE Smith Falls 3.

• SS noted presence of watercourse crossing the site and wondered about prospect of fencing across watercourse. SC noted that design of fence must be finalized with respect to whether it would cross the waterbody.

Recurrent (SC)

#### 4.6 RE Smith Falls 6

• SM noted site will have similar potential issues to RE Smith Falls 1. SS noted that as the site is further away from the river there are fewer concerns.

### 5. Additional Questions/Comments

The following additional items were discussed during the meeting:

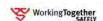
- Hunting around sites
  - SS asked if Recurrent was concerned about hunting around the sites; noted there exists a lot of deer, turkey, and duck hunting in the area, particularly around RE Smiths Falls 1 and 6.
  - SS noted that wildlife will have to go around the fences, and so hunters
    may position themselves at the edge of the fences to take advantage of
    locations that funnel the wildlife.
  - SC noted that they will discuss hunting rights with landowners adjacent to properties

Noise
 Recurrent (SC)

 SS asked about noise from Project site. SC noted that there will be some noise associated with the inverters and transformers, however required setbacks/noise studies will mitigate potential effects.

# 6. Follow-up

- SS noted that he will contact MNR staff in the other districts to ensure a
  consistent approach on all Recurrent Projects. SM provided names for the
  other MNR contacts.
- SM noted that they will be providing records reviews to MNR for review this spring.





Sean Male



#### McRae, Elizabeth

From: Boucher, Noel

**Sent:** Wednesday, March 24, 2010 10:35 AM

To: scott.smithers@ontario.ca

Cc: Sean Caffyn; Arnold, Kimberley; 334680

Subject: Recurrent Energy Solar Project - RE Smiths Falls 1

Hi Scott,

As per my voice mail message, Sean Male let me know that you had some potential concerns regarding northern pike spawning habitat on and in proximity to the RE Smiths Falls 1 Project site. I understand that you feel that pike may spawn on the inundated vegetation along the banks of Otter Creek and the drainage features running from the proposed development property to the creek, and I would agree that this would be a definite possibility. I also understand that you had suggested that some assessment work (e.g., electroshocking) should be undertaken to assess pike spawning this spring.

Under the Renewable Energy Approval (REA) Regulation, no solar panels or inverters will be installed within 30 m of the average annual high water mark (HWM) of Otter Creek or any of the tributaries on the proposed development property. Although the HWM has not been assessed at this point in time, we are of the opinion that the setback distance from this mark would be sufficient to protect northern pike spawning habitat. Northern Pike typically utilize sedges and/or riparian grasses that are seasonally inundated as spawning habitat (i.e. vegetation species that can withstand inundation for sufficient duration to provide suitable pike spawning habitat for the duration of spawning, incubation and emergence periods). During the site visit, which will be undertaken at some point this spring, we would determine the high water mark on the basis of the presence of those vegetation species that are tolerant of periodic inundation, historic/annual debris accumulation, and other indicators of annual flooding. Our assessment of the HWM will be based on indicators of average flooding and not solely on flood levels observed this year (which may differ from average flooding conditions). The suitability of the habitat for pike spawning would be based on the vegetation forms, access from permanent watercourses, topography of the inundated area, etc. If suitable habitat and access is present, we would assume that pike spawning does occur on the site.

As solar panels will be installed no closer than 30 m but likely less than 120 m from the high water mark of water bodies at the site, we will be required to undertake an Environmental Impact Study to assess potential effects and identify any mitigation measures that may be necessary. Should mitigation measures be required, they would be identified at that time.

Given the assessment methodology and the mitigation measures that can be implemented (e.g., setbacks, sediment and erosion control measures and stormwater management measures for construction and operation), I would not normally propose a pike spawning assessment. However, I appreciate any thoughts/comments you are able to provide.

Regards, Noel

Noel Boucher Aquatic Biologist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157

Email: nboucher@hatch.com

#### McRae, Elizabeth

From: Boucher, Noel

**Sent:** Monday, March 29, 2010 3:28 PM

To: 'Smithers, Scott (MNR)'

Cc: 'Sean Caffyn'; Arnold, Kimberley; 334680

Subject: RE: Recurrent Energy Solar Project - RE Smiths Falls 1

Hi Scott,

Thanks for the follow-up. We will proceed with the site investigation methodology outlined below and will take your concerns with respect to barriers to fish passage and access associated with fencing into consideration as we move into the design and impact assessment/mitigation process to determine an appropriate solution.

Regards, Noel

From: Smithers, Scott (MNR) [mailto:scott.smithers@ontario.ca]

**Sent:** Thursday, March 25, 2010 4:16 PM

To: Boucher, Noel

Cc: Sean Caffyn; Arnold, Kimberley; 334680

Subject: RE: Recurrent Energy Solar Project - RE Smiths Falls 1

Hi Noel.

I think my concern re. pike spawning habitat had more to do with the fencing proposed to envelop the site than with the actual solar panels. I just want to make sure that no barriers to fish passage or spawning areas are ceated via the fencing.

S

Scott Smithers
Area Biologist
Ministry of Natural Resources
Kemptville District
10 Campus Drive
Kemptville Ontario
KOG 1J0
P(613) 258-8214
F (613) 258-3920
scott.smithers@ontario.ca

"A peculiar virtue in wildlife ethics is that the hunter ordinarily has no gallery to applaud or disapprove of his conduct. Whatever his acts, they are dictated by his own conscience, rather than by a mob of onlookers. It is difficult to exaggerate the importance of this fact."

Aldo Leopold, A Sand County Almanac

From: Boucher, Noel [mailto:NBoucher@Hatch.ca]

**Sent:** March 24, 2010 10:35 AM **To:** Smithers, Scott (MNR)

Cc: Sean Caffyn; Arnold, Kimberley; 334680

Subject: Recurrent Energy Solar Project - RE Smiths Falls 1

Hi Scott,

As per my voice mail message, Sean Male let me know that you had some potential concerns regarding northern pike spawning habitat on and in proximity to the RE Smiths Falls 1 Project site. I understand that you feel that pike may spawn on the inundated vegetation along the banks of Otter Creek and the drainage features running from the proposed development property to the creek, and I would agree that this would be a definite possibility. I also understand that you had suggested that some assessment work (e.g., electroshocking) should be undertaken to assess pike spawning this spring.

Under the Renewable Energy Approval (REA) Regulation, no solar panels or inverters will be installed within 30 m of the average annual high water mark (HWM) of Otter Creek or any of the tributaries on the proposed development property. Although the HWM has not been assessed at this point in time, we are of the opinion that the setback distance from this mark would be sufficient to protect northern pike spawning habitat. Northern Pike typically utilize sedges and/or riparian grasses that are seasonally inundated as spawning habitat (i.e. vegetation species that can withstand inundation for sufficient duration to provide suitable pike spawning habitat for the duration of spawning, incubation and emergence periods). During the site visit, which will be undertaken at some point this spring, we would determine the high water mark on the basis of the presence of those vegetation species that are tolerant of periodic inundation, historic/annual debris accumulation, and other indicators of annual flooding. Our assessment of the HWM will be based on indicators of average flooding and not solely on flood levels observed this year (which may differ from average flooding conditions). The suitability of the habitat for pike spawning would be based on the vegetation forms, access from permanent watercourses, topography of the inundated area, etc. If suitable habitat and access is present, we would assume that pike spawning does occur on the site.

As solar panels will be installed no closer than 30 m but likely less than 120 m from the high water mark of water bodies at the site, we will be required to undertake an Environmental Impact Study to assess potential effects and identify any mitigation measures that may be necessary. Should mitigation measures be required, they would be identified at that time.

Given the assessment methodology and the mitigation measures that can be implemented (e.g., setbacks, sediment and erosion control measures and stormwater management measures for construction and operation), I would not normally propose a pike spawning assessment. However, I appreciate any thoughts/comments you are able to provide.

Regards. Noel

**Noel Boucher Aquatic Biologist** 

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

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May 3, 2010

Ministry of Natural Resources P.O. Bag 2002 10 Campus Drive Kemptville, ON KOG 1J0

Attention: Information Request Team

**Subject:** Request for Wetland Evaluation Records

<u>Located in the Township of Rideau Lakes (Part of Lots 2 and 3, Conc. 2 and Lot 3 Conc. 1) and Township of Drummond / North Elmsley (Lot 4 and 8, Conc. 10 and Lot 8 and 11, Conc. 10).</u>

Dear Information Request Team,

Hatch has been retained by Recurrent Energy to complete Renewable Energy Approvals (REA) for six solar generation facilities. There are two sites located in the Township of Rideau Lakes and four sites located within the Township of Drummond / North Elmsley. The Project Site locations, including lot and concession information are shown on Figure 1 and Figure 2 of Appendix A. I have also attached shapefiles with the project site locations to the email accompanying this letter. These shapefiles were previously sent to the MNR (specifically Scott Smithers) for a previous request for natural heritage and species at risk (SAR) information dated March 19, 2010.

A review of the Land Information Ontario (LIO) GIS layers show that there are provincially significant wetlands (PSW) on and adjacent to the project sites. We would like to request the Wetland Evaluation Records and associated mapping for the following wetlands:

- Otter Creek Provincially Significant Wetland Complex
- Smiths Falls Provincially Significant Wetland Complex (formerly called the Swale Wetland)
- Black Creek Provincially Significant Wetland Complex
- Port Elmslev # 2 Locally Significant Wetland Complex

If you have any further questions related to this request, I can be contacted by email at mesraelian@hatch.ca

I appreciate your time and effort in this matter.

Yours Sincerely,

Martine Esraelian Environmental Scientist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7





# **APPENDIX A**



#### **Township of Rideau Lakes**

Smiths Falls 1: Located on Part of Lots 2 and 3, Conc. 2

Smiths Falls 6: Located on Lot 3, Conc. 1

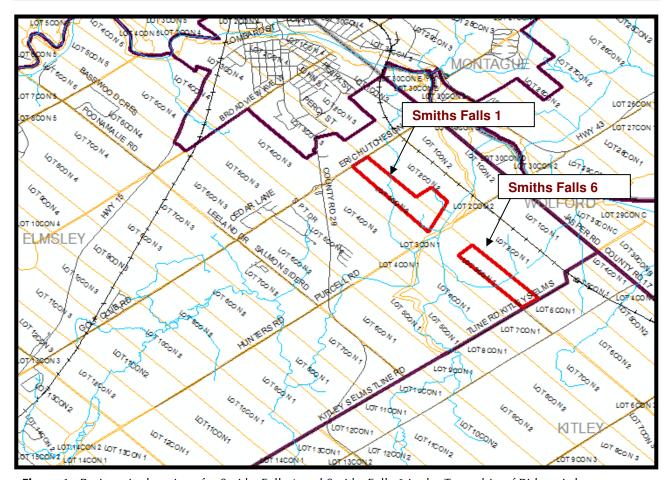


Figure 1: Project site locations for Smiths Falls 1 and Smiths Falls 6 in the Township of Rideau Lakes.



#### **Township of Drummond / North Elmsley**

Smiths Falls 2: Located on Lot 4, Conc. 10 Smiths Falls 3: Located on Lot 8, Conc. 9 Smiths Falls 4: Located on Lot 8, Conc. 10 Smiths Falls 5: Located on Lot 11, Conc. 9

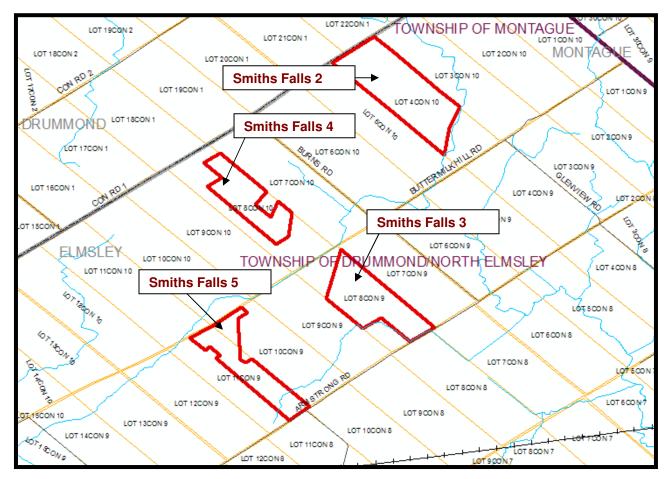


Figure 2: Project site locations for Smiths Falls 2, 3, 4 and 5 in the Township of Drummond / North Elmsley



#### Ministry of Natural Resources

Kemptville District
P.O. Box 2002
10 Campus Drive
Kemptville, ON K0G 1J0

Tel.: (613) 258-8470 Fax.: (613) 258-3920

#### Ministère des Richesses naturelles

District de Kemptville CP 2002 10 Campus Drive Kemptville, ON K0G 1J0

Tél.: (613) 258-8470 Téléc.: (613) 258-3920

July 7, 2010

Hatch Environmental Assessment & Management Niagara Falls, Ontario

Attention: Sean Male

RE: Information Request - Solar Project - Recurrent Energy - Smiths Falls

Our File No.: 2010\_ELM-888

2010\_ELM-889 2010\_ELM-890 2010-DRU-882 2010\_ELM-891 2010\_ELM-892

Dear Mr. Male

The Ministry of Natural Resources (MNR) Kemptville District has carried out a review of the area in order to identify any potential natural resource and natural heritage values in the area of the identified six sites: Smiths Falls 1 through Smiths Falls 6.

The MNR must clearly indicate that this is an initial records review and does not form part of the MNR review and confirmation process.

#### 2010-ELM-888

#### Smiths Falls 1 – Lot 3, Concession 2, Elmsley

Our records review indicates that there are some wooded areas and hedgerows that run through the property. As such, there is the potential for **Butternut (Endangered Tree Species)** to be present on site. Furthermore, the Otter Creek Provincially Significant Wetland (PSW) is found immediately adjacent to the south-east boundary of the property. There are two watercourses that are directly connected to this PSW, and serve as fish spawning areas for Large Mouth Bass, Yellow Perch and Northern Pike, according to MNR records. As such there may be approvals required from the Department of Fisheries and Oceans and the local Conservation Authority, in addition, these agencies may also have additional information pertaining to fisheries on and in the immediate area of the site. There is an additional watercourse that passes through the northern portion of the property, this may also serve as fish habitat, however MNR has no records pertaining to this watercourse.

With respect to additional values, the MNR has found no known information pertaining to the following:

- Nesting sites
- Fish nursery areas
- Wintering areas wildlife

#### Staging areas - wildlife

However the MNR recommends that these values be assessed during the Natural Heritage Assessment to ground truth and provide additional detail addressing these particular values.

Lastly, the MNR oversees the provincial Endangered Species Act (2007) and thus following a review of the information obtained from Natural Heritage Information Centre (NHIC) and a search of SAR records which exist at the MNR Kemptville District office, the MNR can advise that there is a high potential for **Butternut** (Endangered), and Grey Ratsnake (Threatened). Furthermore, while there are currently no records for Chimney Swift (Threatened) or Whip-pour-will (Threatened) the MNR recommends their consideration in your assessment. In addition, there are records for Scarlet Beebalm (S3) and Greater Redhorse (S3) which are provincially rare tracked species. While provincially tracked rare species are not protected by the Endangered Species Act, the knowledge of such species occurrence information can contribute to the development and evaluation of Significant Wildlife Habitat.

#### 2010-ELM-889

#### Smiths Falls 2 – Lot 4, Concession 10, Elmsley

Our records review indicates that that Black Creek PSW is located on and adjacent to the property. Furthermore, there is a large contiguous piece of unevaluated wetland identified that appears to be hydrologically connected to the Black Creek PSW. As such, the proponent would be required to determine the significance of this wetland if development were to take place within 120 meters. The evaluation significance would be based on the Ontario Wetland Evaluation System and must be carried out by an individual with such training. Furthermore, there are substantial woodlands located on the site (northern portion) in addition to scattered hedgerows and wooded areas throughout much of the more southern portion of the site. As such, there is the potential for **Butternut (Endangered)** to be present on site. As there is a large woodland tract the MNR requires the proponent to determine the significance of this woodland feature, if development is to be proposed within 120 meters. Lastly, there is a watercourse that runs through the property which may be home to a variety of fish species. The MNR recommends contacting both the Department of Fisheries and Oceans and the local Conservation Authority to acquire additional information pertaining to fisheries for this watercourse. This watercourse is also hydrologically connected to the PSW.

With respect to additional values, the MNR has found no known information pertaining to the following:

- Nesting sites
- Fish nursery areas
- Wintering areas wildlife
- Staging areas wildlife

However the MNR recommends that these values be assessed during the Natural Heritage Assessment to ground truth and provide additional detail addressing these particular values.

Lastly, the MNR oversees the provincial Endangered Species Act (2007) and thus following a review of the information obtained from Natural Heritage Information Centre (NHIC) and a search of SAR records which exist at the MNR Kemptville District office, the MNR can advise that there is a high potential for **Butternut** (Endangered), and Grey Ratsnake (Threatened).

2010\_ELM-890 Smiths Falls 3 – Lot 8, Concession 9, Elmsley MNR records show that there are woodlands on this site, and thus consideration for their significance should be carried out. Furthermore, there is a large tract of unevaluated wetland located less than 600m from the Port Elmsley Wetland. As such, the MNR recommends that the determination of wetland significance be carried out if development or site alteration is proposed within 120m of this wetland. Lastly, our records also show there is a watercourse that is immediately adjacent to, if not partially on, the southern portion of the property. This watercourse may be fish habitat, while MNR has no specific information pertaining to this watercourse; we recommend you contact DFO and the local CA as they may have additional information pertaining to fisheries.

MNR's records show that the **Gray Ratsnake (Threatened)** and **Butternut (Endangered)** are likely on or immediately adjacent to the site. Furthermore, the provincially rare tracked Scarlet Beebalm (S3) is also located in the immediate area. The MNR recommends that an Ecological Site Assessment be carried out for these species, as well as consideration of and evaluation for Significant Wildlife Habitat as it relates to these species.

#### 2010\_DRU-882

#### Smiths Falls 4 - Lot 8, Concession 10, Drummond

This site shows predominantly agricultural lands; however there is a small patch of woodlands that could potentially be significant, as it relates to the broader environment and ecology of the area. The MNR recommends that if development is to be proposed within 120m of this site, that Significance is determined. Furthermore, there are some hedgerows throughout the property which, along with the woodland pocket, may have Butternut. There is also a small pond that drains to an evaluated wetland, and thus consideration to the aquatic ecosystem, including fisheries, should be addressed.

MNR Records show that **Grey Ratsnake (Threatened)** is located in the immediate area as well as the potential for **Butternut (Endangered)** does exist. Again, the MNR strongly encourages that an Ecological Site Assessment be carried out to determine what species may be present on site.

#### 2010-ELM-891

### Smiths Falls 5 – Lot 22, Concession 9, Elmsley

There are some small woodlands located on the property as well as hedgerows which have the potential to be habitat for a diversity of wildlife, not to mention significant woodlands. Furthermore, the potential for Butternut (Endangered) to be located within these wooded areas does exist. MNR records also show a fairly large unevaluated wetland which is located in part on the property. Thus, if work is proposed to be carried out within 120m of this wetland, a wetland evaluation for significance is to take place. Lastly, MNR has identified that a small watercourse also crosses a portion of the property (south end) which may serve as habitat for fisheries; contacting the DFO and the local CA for additional information is strongly recommended.

Our records show that **Grey Ratsnake (Threatened)** and **Butternut (Endangered)** are located in the immediate vicinity, and thus consideration for their presence on site is strongly recommended.

#### 2010-ELM-892

#### Smiths Falls 6 – Lot 3, Concession 1, Elmsley

While not directly located on the property, the Otter Creek Provincially Significant Wetland is located in close proximity to the site. Thus considerations for impacts to this PSW are strongly encouraged, particularly if development is proposed onsite that is within 120m of the PSW. Furthermore, the Otter Creek contains known fish spawning areas for Large Mouth Bass, Yellow Perch and Pike, of which some of these spawning areas, exist in the small watercourse, which extends out and eventually across the lower portion of the property. As

such, the MNR strongly encourages acquiring additional information as it pertains to fisheries, habitat and the potential impacts as it relates to the proposed project. Lastly, there are a number of hedgerows located on the property, as well as woodland areas immediately abutting the property, the consideration for woodland significance is strongly recommended, as well as noting that the presence of Butternut is strongly suspected for this site.

Furthermore, MNR's internal records show element occurrence information for **Grey Ratsnake (Threatened)** and the potential for **Butternut (Endangered)** as well as a record for the provincially tracked rare species, Scarlet Beebalm. Carrying out an Ecological Site Assessment for this particular site again is strongly encouraged.

With respect to the above noted 6 sites, in particular the data associated with Species at Risk, the MNR would like to note that although this data represents the MNR's best current available information, it is important to note that a lack of occurrence at a site does not mean that there are no Species at Risk (SAR) at the location. MNR must note further, that there may not be any records currently held for newly listed Endangered and Threatened species and therefore for both above mentioned reasons, the MNR continues to encourage ecological site assessments to determine the potential for other SAR occurrences. When a SAR does occur on a proposed site, it is recommended that the proponent contact the MNR for technical advice and to discuss what activities can occur without contravention of the Act. If an activity is proposed that will contravene the Act (such as Section 9 or 10), the proponent must contact the MNR to discuss the potential for application of certain permits (Section 17) or agreement (Regulation 242/08). For specific questions regarding the Endangered Species Act (2007) or species at risk, please contact Species at Risk Biologist, Paula Norlock at paula.norlock@ontario.ca . Not only is the ecological site assessment vital for assessing those Species at Risk on and adjacent to the site, however, it can also serve as the foundation for evaluating Significant Habitat of Endangered and Threatened species within the identified study areas.

For the purposes of the required Natural Heritage Assessment report, the MNR recommends the following sources of direction and information as areas by which to begin the desktop portion of your review:

- Natural Heritage Reference Manual (2010) the newly published NHRM is a key document for understanding the importance of and the criteria for evaluating the various Natural Heritage Values on the landscape (including Significant Woodlands). This document can be accessed via: <a href="http://www.mnr.gov.on.ca/en/Business/LUEPS/Publication/249081.html">http://www.mnr.gov.on.ca/en/Business/LUEPS/Publication/249081.html</a>
- Significant Wildlife Habitat Technical Guide (1999) this document provides further technical direction and information as it relates to Significant Wildlife Habitat: <a href="http://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR\_E001285P.html">http://www.mnr.gov.on.ca/en/Business/FW/Publication/MNR\_E001285P.html</a>
- Ontario Wetland Evaluation System: http://www.mnr.gov.on.ca/en/Business/Biodiversity/2ColumnSubPage/STEL02\_176756.html

If you have any questions, please do not hesitate to contact me.

Sincerely,

Laura Melvin A/ District Planner

Resource Management Planner

Laura Mel.

laura.melvin@ontario.ca

#### McRae, Elizabeth

From: Cameron, Amy (MNR) [Amy.Cameron@ontario.ca]

**Sent:** Friday, February 04, 2011 1:52 PM **To:** Male, Sean; Zurbrigg, Heather (MNR)

Cc: 334680; Arnold, Kimberley; Sean Caffyn; Bob Leah; Verhoek, Emily (MNR); Fraser, Jim

(MNR); Zurbrigg, Heather (MNR)

Subject: Recurrent Energy - Smiths Falls 1 Solar Project

Importance: High

Sean,

Below are comments for Recurrent Energy's Smiths Falls 1 Project.

Again, there are a few MNR action items that I will follow up on this afternoon and then I will provide you with further direction.

Let me know if you have any questions.

#### **Smiths Falls 1:**

#### **General Comments**

1. All endangered and threatened species information needs to be removed from the reports and be considered in a separate report that will be submitted to the MNR Kemptville District Species at Risk Biologist, Emily Verhoek. Special concern species information should remain within the Natural Heritage Assessment Reports.

#### **Records Review**

- 1. p.3 s.1.1 need to include lot and concession in the project description
- 2. p.4 –s.2- need to add that the project is not located within the Greenbelt
- 3. Tables and species listed throughout the report need to remove species at risk information and include information about whether the species is considered a species of conservation concern under the *Significant Wildlife Habitat Technical Guide* (i.e. declining species endangered or threatened federally but not provincially, S1-S3, etc.)

#### **Site Investigation**

- 1. MNR ACTION: Amy to notify Emily that Bobolink was found in site investigation. Hatch should contact Emily to discuss further.
- 2. p. 18 S.4.2.1.1 Colonial Bird Nesting Site need to explain what evidence was searched for and methods used.
- 3. p.6 need to update table to include provincial Parks and Conservation Reserve information so that this table is consistent with that in Records Review.
- 4. p. 6 s.2 bottom paragraph endangered and threatened species should be removed and list should be updated to reflect what is required in Natural Heritage Assessment Reports only.
- 5. MNR ACTION: Shaun Thompson to review wetland evaluation
- 6. p.19 Raptor Winter Feeding and Roosting Areas this section states that mixed or coniferous woods are absent from the project area but in the description of the woodland on p.13 the report indicates the presence of "mixed wood characteristics". Please clarify and update the description of Raptor Winter Feeding and Roosting Areas. The fact that the habitat here is consistent with the surrounding area does

not mean that it should be ruled out at this stage. If the habitat feature is available it must be carried forward into the EOS.

- 7. p.20 Bat hibernacula need to indicate if area is within a known karst feature.
- 8. MNR ACTION: Shaun Thompson to comment on the possibility that bullfrogs may be found at this location since evening frog surveys were not completed. Further direction will be provided to Hatch about appropriate setbacks from candidata bullfrog concentration areas if required.
- 9. p.20 Habitat for area-sensitive species Southern Flying Squirrel is listed in the records review as being in the vicinity of the project area. However, this species was not considered in site investigation. Habitat for Southern Flying Squirrel should be carried forward into the EOS report and, if necessary, also carried forward into the EIS.
- 10. p.21 Because no evening survey was completed to determine presence/absence of frogs, the presence of standing water in the woodland means that this feature needs to be carried forward to the EOS report to determine significance. The additional information about this feature that would deem it to not be significant should be included in the EOS.
- 11. p.21 Specialized Raptor Nesting Area comments pertain to observation of a red-tailed hawk, but also need to include information about any nests observed and what areas were searched.
- 12. p.21 Mink, Otter, Marten, Fisher denning sites a brief description of the type of habitat you would expect to find these features should be included. If this habitat type is present it should be carried forward into the EOS.
- 13. p.21 Highly Diverse Areas need to include more information about the criteria considered in ruling out the project location as having this type of feature.
- 14. p.21 last paragraph "As a result, habitat for Savannah Sparrow is considered to be candidate significant specialized habitat for wildlife on or within 120m of the project location". Need to clarify why this information is included here considering it was not an observed species noted in Table 4.1. It is recommended that this paragraph be updated to include southern flying squirrel (area sensitive species) and woodlands supporting amphibian breeding ponds.
- 15. Species of Conservation Concern please note that southern flying squirrel (S3) and snapping turtle (special concern) are species of conservation concern that should be considered in this report.
- 16. MNR ACTION- p.22 Common Nighthawk "little bare ground" means that there is some bare ground. There is no indication that an evening survey was completed for nighthawk; therefore, MNR needs to determine how to consider the information provided. Amy to speak with Shaun Thompson. Further direction will be provided to Hatch.
- 17. p.23 s.4.2.1.4 Animal Movement Corridors "The watercourse may provide suitable movement corridors for semi-aquatic species of wildlife..." were turtles considered here? MNR ACTION: Amy to speak with Shaun and Emily regarding potential for snapping turtle to use stream on property and nest along road. Further direction will be provided to Hatch.
- 18. p.23 s.4.3 please remove and include in separate report
- 19. p.24 s.5 Conclusions need to update once the above listed items have been updated.

#### **Evaluation of Significance**

- 1. The EOS report will need to be updated base on updates made to the Records Review and Site Investigation Reports.
- 2. p.10 s. 3.1.2 Habitat for Species of Conservation Concern. While milksnake is addressed, other species such as Ribbonsnake are not. This section may also need to be updated to include Southern Flying Squirrel (S3 species) and snapping turtle (special concern).
- 3. P.14 Woodlands include MNR Kemptville District information for significant woodlands to compare with your findings.

#### **Environmental Impact Study**

- 1. Map the area along the stream corridor that is mapped as a waterfowl stopover and staging area needs to have a consistent 30m setback. Currently the map appears to have a 30m setback in places but is less in others.
- 2. p.15 "portions of the project will be located adjacent to the boundaries of the Otter Creek PSW Complex in the northwest and southern extents of the project. It is not possible to move these features farther than 30m away from the edge of this portion of the PSW as there is a limitation of space on the project location." Please clarify this sentence. MNR is requested a 30m setback from the feature. The text highlighted in red add confusion as to what is being proposed. The first sentence indicates that the project will be built in sections immediately adjacent to the PSW. The second sentence reads as though the project will be 30m away but can't be placed any further away than that.

MNR ACTION: Amy to follow up with Shaun Thompson to determine if the 30m setback can be decreased along this section of the PSW.

- 3. It is recommended that habitat for milksnake be created along the periphery of the project area using removed vegetation from the hedgerows.
- 4. Information about which hedgerows will be removed and which will remain in tact is required. It is recommended that the hedgerow along the southwest edge of the project area be left in tact as it provides a link between the portion of PWS to the south and that in the northwest corner. If this is not possible because it will shadow the solar panels, the vegetation should be replaced with low-laying shrubs. This is also the case for the hedgerow along the outside of the north-eastern portion of the project area, although on the map it appears that this hedgerow is not located in the project area and therefore will not be cut. Please confirm that this is the case.
- 5. The EIS report will be reviewed in greater detail once all updates are made to each of the reports.

#### Amy Cameron

Planning Ecologist Ministry of Natural Resources Pembroke District 613-732-5506

From: Male, Sean [mailto:SMale@Hatch.ca]

**Sent:** Mon 17/01/2011 11:23 AM **To:** Zurbrigg, Heather (MNR)

Cc: 334680; Arnold, Kimberley; Sean Caffyn; Bob Leah; Cameron, Amy (MNR)

Subject: Recurrent - Updated REA Documents

Hi Heather,

I have placed updated complete NHA documents for Smiths Falls 1 on the FTP site. I expect to have updated reports for Smiths Falls 3 and 4 also up this week.

Login information is provided below. Please advise if you have any issues accessing these documents.

FTP site: <a href="ftp.hatch.ca">ftp.hatch.ca</a>
user name: 334680
password: g32F8jTR#

Thanks,

Sean

#### Sean K. Male, M.Sc.

Terrestrial Ecologist/Environmental Assessment & Management



**Tel:** +1 905 374 0701 ext. 5280 Fax: +1 905 374 1157 4342 Queen Street, Suite 500, Niagara Falls, Ontario, Canada, L2E 7J7

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#### Ministry of Natural Resources

Kemptville District

10 Campus Drive Postal Bag 2002 Kemptville, ON K0G 1J0 Tel: 613-258-8204 Fax: 613-258-3920

#### Ministère des Richesses naturelles

District de Kemptville

10 Dr. Campus Sac Postal, 2002 Kemptville, ON K0G 1J0 Tél.: 613-258-8204 Téléc.: 613-258-3920



April 4, 2011

Sean Male Hatch Environmental Assessment & Management Niagara Falls, Ontario

Dear Mr. Male,

In accordance with the Ministry of the Environment's (MOE's) Renewable Energy Approvals (REA) Regulation (O.Reg.359/09), the Ministry of Natural Resources (MNR) has reviewed the natural heritage assessment and environmental impact study for Smiths Falls 1 Solar Project in the Township of Rideau Lakes submitted by RE Smiths Falls 1 ULC.

In accordance with Section 28(2) and 38(2)(b) of the REA regulation, MNR provides the following confirmations following review of the natural heritage assessment:

- 1. The MNR confirms that the determination of the existence of natural features and the boundaries of natural features was made using applicable evaluation criteria or procedures established or accepted by MNR.
- 2. The MNR confirms that the site investigation and records review were conducted using applicable evaluation criteria or procedures established or accepted by MNR, if no natural features were identified.
- 3. The MNR confirms that the evaluation of the significance or provincial significance of the natural features was conducted using applicable evaluation criteria or procedures established or accepted by MNR (if required).
- 4. The MNR confirms that the project location is not in a provincial park or conservation reserve.
- 5. The MNR confirms that the environmental impact assessment report has been prepared in accordance with procedures established by the MNR.

This confirmation letter is valid for the project as proposed in the natural heritage assessment and environmental impact study, including those sections describing the Environmental Effects Monitoring Plan and Construction Plan Report. Should any changes be made to the proposed project that would alter the NHA, MNR may need to undertake additional review of the NHA.

Where specific commitments have been made by the applicant in the NHA with respect to project design, construction, rehabilitation, operation, mitigation, or monitoring, MNR expects that these commitments will be considered in MOE's Renewable Energy Approval decision and, if approved, be implemented by the applicant.

In accordance with S.12 (1) of the Renewable Energy Approvals Regulation, this letter must be included as part of your application submitted to the MOE for a Renewable Energy Approval.

If you wish to discuss any part of this confirmation or additional comments provided, please contact Heather Zurbrigg at 613-258-8366 or at Heather.Zurbrigg@ontario.ca

Sincerely,

Ken Durst

District Manager

Kemptville District MNR

cc. Jim Beal, Renewable Energy Provincial Field Program Coordinator, Regional Operations Division, MNR

Narren Santos, Environmental Assessment and Approvals Branch, MOE



# Appendix F4 Correspondence with MTC

#### **Ministry of Tourism and Culture**

Culture Programs Unit
Programs and Services Branch
400 University Avenue, 4<sup>th</sup> floor
Toronto, ON, M7A 2R9
Telephone: 416/314-7132
Facsimile: 416/314-7175

Email: Jim.Sherratt@ontario.ca

#### Ministère du Tourisme et de la Culture

Unité des programmes culturels Direction des programmes et des services 400, avenue University, 4° étage Toronto, ON, M7A 2R9 Téléphone: 416/314-7132 Télécopieur: 416/314-7175 Email: Jim.Sherratt@ontario.ca



September 13, 2010

Mr. Paul O'Neal Mayer Heritage Consultants Inc. 2509 Main Street Box 456 Lambeth Station London, Ontario N6P 1R1 mayerheritage@bellnet.ca

RE: Review and Acceptance into the Provincial Register of Reports: Archaeological Assessment Report Entitled, "Archaeological Assessment (Stages 1 & 2), RE Smith Falls 1 ULC, Part Lots 2 and 3, Concession 2, Township of Rideau Lakes, United Counties of Leeds and Grenville, Ontario" Report Dated June 2010, Report Received July 23, 2010, Revised Report Received September 1, 2010. MCL Project Information Form Number P040-336-2010, MCL RIMS Number HD00480. FIT-FDSY1N4.

Dear Mr. O'Neal:

This office has reviewed the above-mentioned report, which has been submitted to this Ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. This review is to ensure that the licensed professional consultant archaeologist has met the terms and conditions of their archaeological licence, that archaeological sites have been identified and documented according to the 1993 technical guidelines se t by the Ministry and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario.

As the result of our review, this Ministry accepts the above titled report into the Provincial register of archaeological reports. The report indicates that 6 archaeological sites, Locations 1 to 6, were found on the subject property and it is recommended that one of these, Location 1, be considered significant enough to warrant Stage 3 investigations and Locations 2, 3, 4, 5 and 6 be considered sufficiently documented. This Ministry concurs with the recommendation that the provincial interest in the archaeological site identified as Locations 2, 3, 4, 5 and 6 has been addressed.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Jim Sherratt

Archaeology Review Officer

Eastern Region
c. Archaeology Licensing Office
Ms. Kathleen Vukovics, Hatch
Mr. Bob Leah, Recurrent Energy



# Appendix F5 Correspondence with RVCA

#### Vukovics, Kathleen

Boucher, Noel From:

Friday, June 24, 2011 3:17 PM Sent:

To: Vukovics. Kathleen

FW: Recurrent Energy Solar Projects in Rideau Valley Watershed - Request for Property Subject:

Smiths Falls 1 Data Request.pdf; Smiths Falls 2 Data Request.pdf; Smiths Falls 5 Data Attachments:

Request.pdf; Smith Falls 6 Data Request.pdf; Smiths Falls 3 Data Request.pdf; Smiths Falls 4

Data Request Map.pdf

From: Boucher, Noel

Sent: Thursday, February 25, 2010 3:51 PM

To: 'don.macivor@rvca.ca'

Cc: 'Sean Caffyn'; Arnold, Kimberley; 334680; Iamonaco, Christine; Male, Sean

Subject: Recurrent Energy Solar Projects in Rideau Valley Watershed - Request for Property Inquiries

Hi Don,

Thanks for taking the time to discuss the property inquiry process with me earlier today. As discussed, we have been retained by Recurrent Energy to commence initial work on the Renewable Energy Approval (REA) process for six solar energy projects located within the RVCA watershed. As part of the REA process (under the REA Regulation – On.Reg. 359/09), we are required to undertake a Water Records Review to determine if the proposed project (including ancillary project components such as the transmission line) is situated within 120 m of the average annual high water mark of a lake, permanent or intermittent stream or seepage area. We are also required to undertake a Natural Heritage Records Review to determine if the proposed project is located within 120 m of a Natural Feature, including ANSI's, wetlands, valleylands, wildlife habitat or woodlands. The Conservation Authority is identified in the REA Regulation as one of sources of information that must be reviewed as part of the Records Review.

By way of this email, I would like to request that RVCA conduct a property inquiry on the six proposed solar energy projects, with the view of providing the whatever information may be available for our Records Review, as described above. I have included maps showing the locations of the property boundaries as well as the proposed transmission lines for each project (the maps include some environmental features that we have already identified in proximity to each site). We are required to undertake this Records Review for the property as well as the transmission line (including areas within 120 m of the project components). I am also providing geographic coordinates (centre of property) and municipal addresses (where available) for the six sites, as follows:

#### RE Smiths Falls 1

57 Eric Hutcheson Rd. Smith Falls, Ontario K7A 4F5 894660, 4980798

#### RE Smiths Falls 2

514 Buttermilk Hill Rd., Perth, Ontario K7H 3C3 885036, 4989769

#### RE Smiths Falls 3

No civic address 884837, 4986923

#### RE Smiths Falls 4

319 Drummond Con 1, Perth, ON K7H 3C3 883560, 4988302

#### RE Smiths Falls 5

No civic address

883832, 4985759

RE Smiths Falls 6 No civic address 883832, 4985759

I can also provide the legal property description for the properties (but not the proposed transmission lines) if necessary. I understand that there is a cost for each property inquiry and that you will require payment before releasing the results of the inquiry. After you have reviewed the information provided here, it would be appreciated if you could let me know what the cost will be and what forms of payment will be acceptable, so I can get started on that.

Also, as part of our Records Review, we are required to prepare maps showing the water and natural heritage features that we have identified. I am wondering if it is possible for you to provide whatever information may be available in shapefile format for us to insert into our GIS mapping? Further, it would be great if you were able to provide the Regulated Areas boundary line work, as well as any break down of the flooding, erosion hazards, wetland buffers etc, that may be included within the Regulated Areas limit. I understand that there may be an additional fee for providing this digital data.

Please don't hesitate to contact me if you require any additional information in order to process this information request. It would be great if you were able to provide confirmation that this request is possible and an indication of your potential turnaround time.

Thanks very much for your assistance.

Regards, Noel

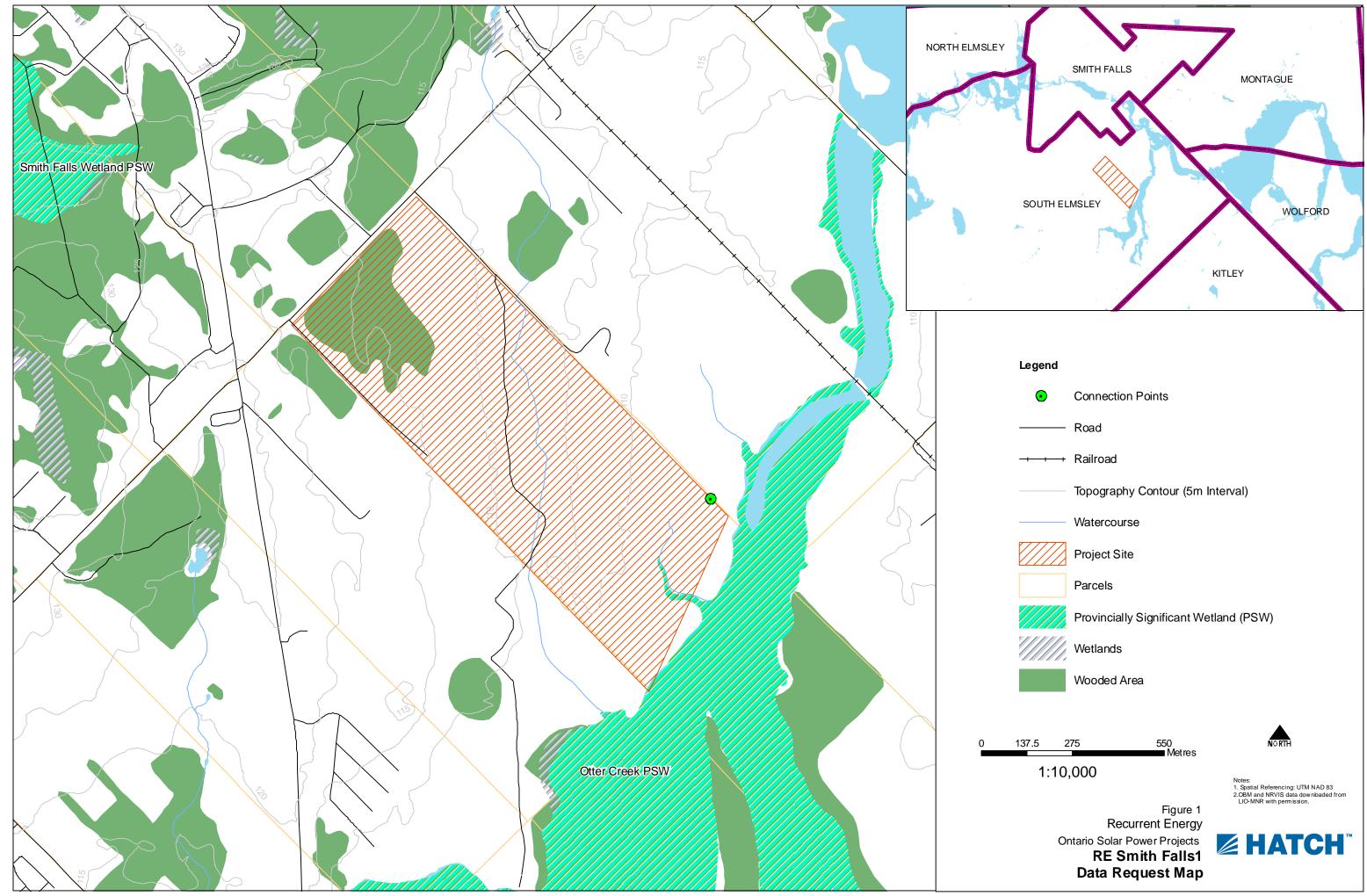
Noel Boucher Environmental Coordinator

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157 Email: <a href="mailto:nboucher@hatch.com">nboucher@hatch.com</a>



3889 Rideau Valley Drive, P.O. Box 599, Manotick, ON K4M 1A5 tel 613-692-3571 | 1-800-267-3504 | fax 613-692-0831 | www.rvca.ca

A member of Conservation Onter

Date: March 29, 2010 Our File: 10-RLA-GEN Your File: Smiths Falls Site 1

Hatch Ltd. 500 - 4342 Queen St Niagara Falls, ON L2E 7J7 Attn: Noel Boucher

Subject:

Property Inquiry for the renewable energy project located at Lot 3, Concession 2, in the Township of South Elmsley, Township of Rideau Lakes, municipally known as 57 Eric Hutcheson Rd.

Dear Mr. Boucher,

A search of our database indicates that there are currently no outstanding violations or orders on the property that we are aware of in so far as the Rideau Valley Conservation Authority's regulations are concerned. We are unaware of any directives, orders or breaches of regulations with respect to the current use of the property.

The Otter Creek Provincially Significant Wetland (PSW), is located on the property (please refer to attached map). The PSW and the 120 metre adjacent lands are subject to Ontario Regulation 174/06 "Development, Interference with Wetlands, Alterations to Shorelines and Watercourses Regulation" made pursuant to the Conservation Authorities Act, 1990 as amended. The dashed line indicates the limit of the Authority's regulatory jurisdiction respecting the placement of fill and the construction of buildings/structures now referred to as "development". The blue solid line defines the 100 year floodplain of Otter Creek. Combined, these two lines illustrate the area where, prior to any type of development including the installation of solar energy projects, RVCA approval is required. The 100 year flood level for this area is identified as being 108.2 metres geodetic and flooding is the defining hazard within this area.

Please note that all watercourses traversing the site are subject to the Development, Interference with Wetlands and Alteration to Shorelines and Watercourses Regulation as well. The regulation requires that the owner obtain the prior written approval from the Conservation Authority prior to straightening, changing, diverting or interfering in any way with the channel of the watercourse (this includes watercourse crossings). The Conservation Authority typically requires a 30 metre development setback from the normal highwater mark of any watercourse.

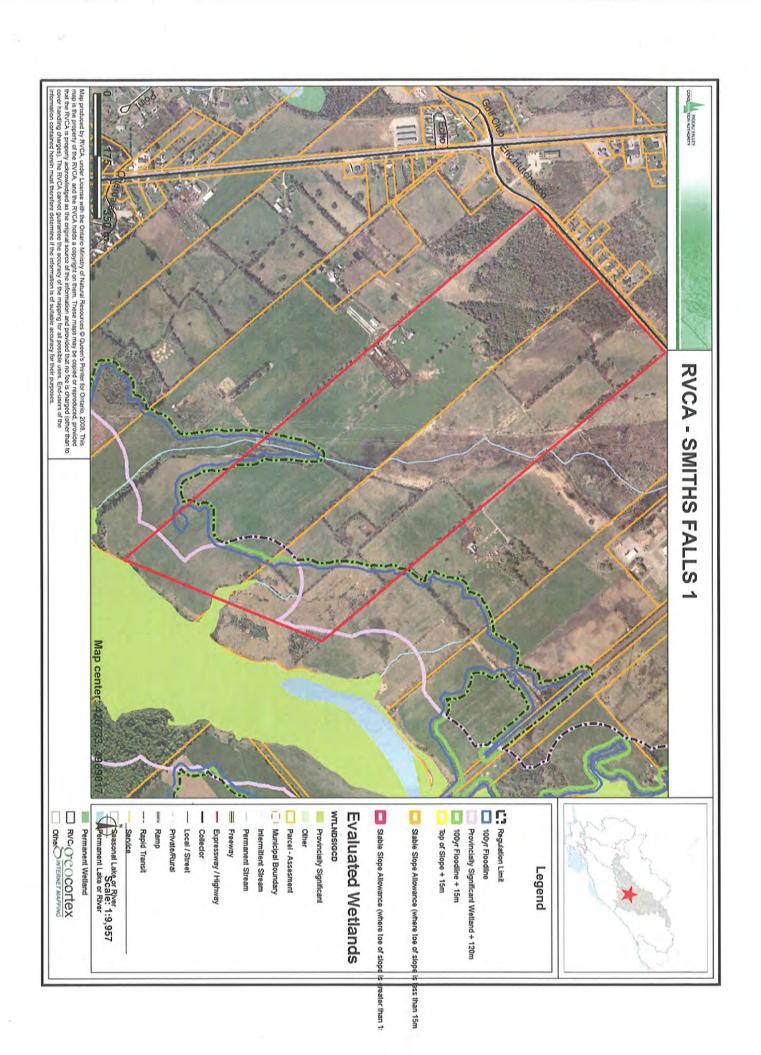
There are no features such as an ANSI (Area of Natural and Scientific Interest) located on the property. Should a *Planning Act* application be submitted to the municipality respecting any future development proposals, the Conservation Authority would likely be circulated the proposal for comments relating to the control of flooding, pollution and conservation of land. You may wish to contact the Ministry of Natural Resources – Kemptville (613-258-8204) for additional information concerning significant woodlots, wildlife habitat, and endangered species as we currently do not have mapping identifying these features.

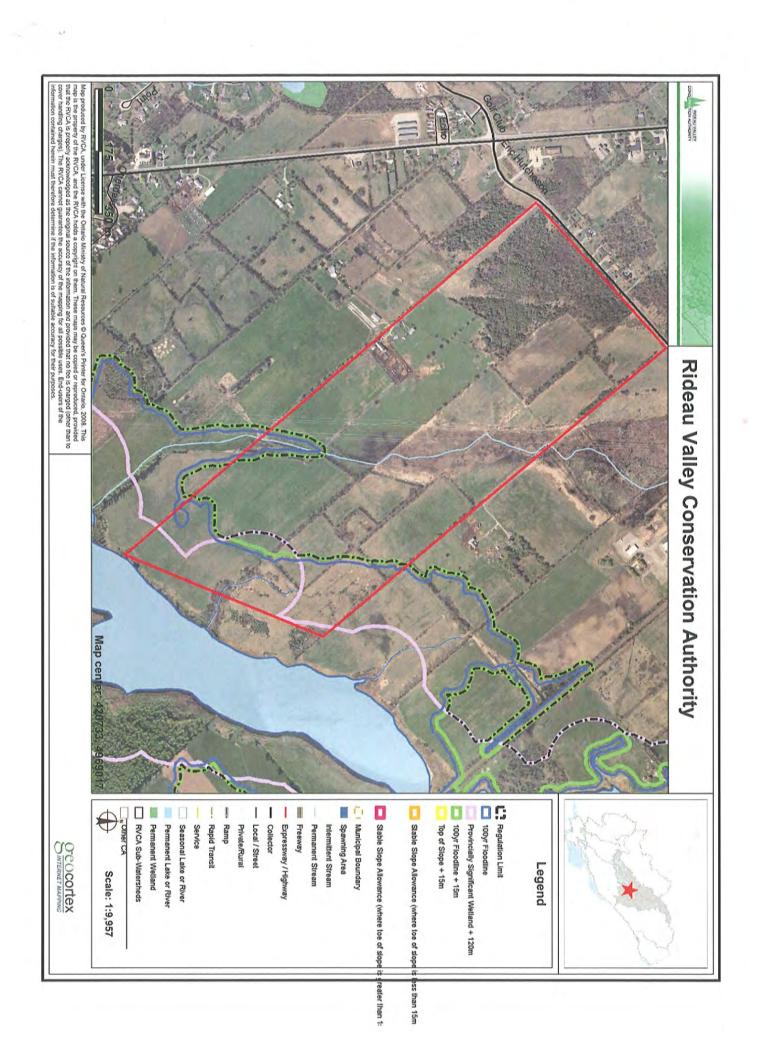
Our mapping indicates that shorelines on the property are classified as largemouth bass and northern pike spawning areas (identified on the attached map). We recommend a 30 metre vegetated buffer from the water to prevent erosion, sedimentation and to protect the aquatic environment.

The foregoing information is given for your convenience only and relates to the current use of the land. Municipal land use requirements may vary. It should be clearly understood that you must satisfy yourself as to whether the premises and the existing or proposed use thereof is or would be in conformity with all applicable regulations of the appropriate Conservation Authority. Should you have any questions please contact me at (613) 692-3571 x 1132 or Matt Craig the Upper Watershed Planner at (613) 264-5419.

Yours truly,

Megan Watters Resource Specialist





#### **Boucher, Noel**

Cc:

From: Kellie Adams [kellie.adams@rvca.ca]

**Sent:** Thursday, July 08, 2010 11:54 AM

To: Boucher, Noel

Kellie Adams

Subject: RE: Recurrent Energy Solar Farms - Figure 2

Sorry Noel, I guess all three of us missed that small line! Okay so it looks like you are ready to start into the meat and potatoes of the project. We've established the boundary lines (ie. flood and regulation limit) as well as any environmental sensitive areas so now we need to have you officially apply with a Section 28 application as the proposed work is within the regulated limit areas of the Conservation Authority.

Please find the following links in order to assist you with your application submission:

RVCA application forms, fee schedule and minimum guidelines, etc. links below:

Application Form: http://www.rvca.ca/plan-reg/files/174 06 application form.pdf

Minimum Application Requirements:

http://www.rvca.ca/programs/regulations/water management/files/New application minimum req.pdf

Fee Schedule: <a href="http://www.rvca.ca/plan-reg/2009">http://www.rvca.ca/plan-reg/2009</a> fees/Schedule B.pdf

The following link may be referred to in regards to development in a regulated area and specifically to Ontario Regulation 174/06:

http://www.rvca.ca/plan-reg/local policy 09/10 Development Interference Regs Feb1810.pdf

Should you require further information, please do not hesitate to contact me.

Regards, Kellie

Kellie Jennifer Adams, Resource Specialist Rideau Valley Conservation Authority/LRC Box 599, 3889 Rideau Valley Drive, North Manotick ON K4M 1A5 613-692-3571 ext. 1128

Fax: 613-692-0831

NEW E-MAIL: kellie.adams@rvca.ca
NEW WEBSITE: www.rvca.ca



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**From:** Boucher, Noel [mailto:NBoucher@Hatch.ca]

Sent: Thursday, July 08, 2010 9:33 AM

To: Kellie Adams

Cc: 334680

**Subject:** RE: Recurrent Energy Solar Farms - Figure 2

Hi Kellie,

Thanks for passing this information along to me. We have obtained the attached letters from RVCA regarding the two Projects. Would it be possible to confirm if these are the property inquiries you are referring to or if we need to conduct an additional property inquiry search?

Thanks very much, Noel

From: Kellie Adams [mailto:kellie.adams@rvca.ca]

**Sent:** Thursday, July 08, 2010 9:15 AM

To: Boucher, Noel Cc: Kellie Adams

Subject: RE: Recurrent Energy Solar Farms - Figure 2

Good Morning Noel,

Please be informed that I have spoken to the Planners who would review and respond to your proposal in regards to constructing these solar panels in the Smiths Falls area near Otter Creek. Standard practice is to treat these as property inquiries therefore they have recommended that you conduct a file search in order to obtain further clarification.

Should you wish to conduct a property inquiry search at a fee of \$200.00; the RVCA will provide comments stating whether a property, such as this one, is likely to be affected by Authority policies and regulations and if there are any previous or outstanding violations on the property. This file search response provides a formal record of the inquiry and offers valuable information to the client when making decisions to purchase, build on, re-grade or alter natural features on the site. In other cases, the file search response serves as official confirmation that the property is not affected by Authority policies and regulations, and provides the client with added peace of mind. (Please note that a file search/regulatory letter and site inspection is also available at a fee of \$350.00).

RVCA Property Inquiry Search link: http://www.rvca.ca/plan-reg/PDF/flood\_plain\_inquiry\_form.pdf

Should you require further information, please do not hesitate to contact me.

Regards, Kellie

Kellie Jennifer Adams, Resource Specialist Rideau Valley Conservation Authority/LRC Box 599, 3889 Rideau Valley Drive, North Manotick ON K4M 1A5 613-692-3571 ext. 1128 Fax: 613-692-0831

NEW E-MAIL: kellie.adams@rvca.ca NEW WEBSITE: www.rvca.ca



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From: Boucher, Noel [mailto:NBoucher@Hatch.ca]

Sent: Monday, July 05, 2010 3:00 PM

**To:** Kellie Adams **Cc:** 334680

Subject: Recurrent Energy Solar Farms - Figure 2

Hi Kellie,

As per my last email, the proposed development area at RE Smiths Falls 6 is attached for your consideration.

Regards Noel

Noel Boucher Aquatic Biologist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157 Email: nboucher@hatch.ca

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#### Hi Kellie,

Thanks for taking the time to talk to me today regarding the six proposed Recurrent Energy solar farms within the RVCA watershed. As we discussed, two of the Project sites (RE Smiths Falls 1 and RE Smiths Falls 6) are situated on properties that are encroached by the RVCA Regulated Area surrounding Otter Creek, including the Flood Hazard Zone and the buffer around the Otter Creek PSW. We have received the Regulated Areas mapping as part of property inquiries for these two projects (your file number is 10-RLA-GEN). The projects are currently moving through the provincial Renewable Energy Approvals (REA) process.

Site layouts have not been finalized at this point. I have attached a map showing the potential development area being considered for RE Smiths Falls 1 (the other Project map will follow in a separate email), taking into consideration waterbody setback requirements. Under the REA regulation, no development is allowed within 30 m of the average annual high water mark of any waterbody. An EIS is required for any development between 30 and 120 m from the HVM.

As per our discussion, I am interested in confirming if RVCA would allow construction of the solar panels within the Regulated Area on each Project site. The solar panels themselves would be on metal racks. Footing types have not been determined at this point, but could include structural piles, augured pre-cast concrete piers or direct bolting to bedrock. The panels will be fixed in place and tilted, although the elevation of the lower edge from the ground surface has not been determined at this time. It is not anticipated that land grading would be required to install the panels within the Regulated Area, although this will require confirmation followed more detailed survey work.

Other than the solar panels, it may be desirable to place access roads in the Regulated Area to access the panels for periodic maintenance purposes. Some grading may be required to construct these access roads. Recurrent Energy would also wish to install a security fence around the development area to prevent unauthorized access. Following installation, the ground surface in and around the solar panels will be vegetated.

Please let me know if you require any additional information to assess if RVCA would allow construction of solar panels and associated facilities (roads, fencing) within the Regulated Area. It would be much appreciated if you could identify if a permit would be required to do so, and any specific studies or assessments that may be necessary if a permit were to be required.

Thanks very much for your assistance with this. I appreciate any information you are able to provide.

Regards, Noel

Noel Boucher Aquatic Biologist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7 Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157 Email: nboucher@hatch.ca

### Vukovics, Kathleen

From: Boucher, Noel

Sent: Wednesday, April 27, 2011 2:49 PM

To: jamie.batchelor@rvca.ca

Cc: Sean Caffyn; Arnold, Kimberley; Gibson, Melissa; Male, Sean; 334680

Subject: RE Smiths Falls 1 Solar Project

Attachments: Recurrent NOFPM\_RE Smiths Falls 1\_Second PIC.pdf

Hi Jamie,

As per our conversation earlier today, RE Smiths Falls 1 ULC has issued the Draft Renewable Energy Approval (REA) reports for the proposed RE Smiths Fall 1 Solar Project for a 60-day review period, which commenced on April 21, 2011.

As we discussed, we will be sending you a hard copy of the all the reports via courier for your review and comment. I have attached a copy of the Notice that was posted in the newspaper and sent to the municipality, MOE and the public, for your information.

The final public meeting to discuss these projects is on June 23, 2011. After that meeting, we would be planning on addressing any comments in a Consultation Report, and then preparing and submitting the REA Application to the MOE within 2-3 weeks. Therefore, it would be much appreciated if you were able to review these reports and provide any comments you may have prior to the final public meeting.

Please do not hesitate to contact me should you have any questions or comments regarding this Project.

Regards, Noel

Noel Boucher Aquatic Biologist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157 Email: <a href="mailto:nboucher@hatch.ca">nboucher@hatch.ca</a>

## NOTICE OF FINAL PUBLIC MEETING

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.

Dated at the Township of Rideau Lakes this the 21st of April, 2011 RE Smiths Falls 1 ULC is planning to engage in a renewable energy project

in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format. **Meeting Location:** 

Date: Thursday, June 23, 2011 Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON

**Project Description:** Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location

The Draft Project Description Report titled Project Description Report

is described in the map below.

RE Smiths Falls 1 Solar Project describes the project as a solar electric generating facility that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. A written copy of the Draft Project Description Report was made available for public inspection on May 6, 2010 at www.ontariosolarfuture.ca, and at local municipal office. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on April 21, 2011 at www.ontariosolarfuture.ca, and

#### **Project Contacts and Information:**

To learn more about the project proposal, public meeting, or to communicate concerns please contact:

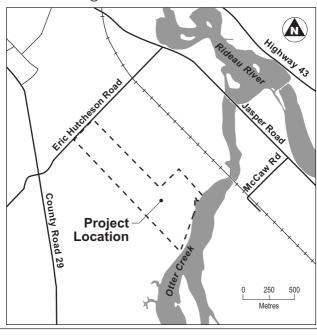
Kimberley Arnold, BSc, MES Manager - Environmental Services,

Renewable Power Hatch Ltd.

at the Township of Rideau Lakes municipal office.

Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7





From

Jamie Batchelor Planner - Planning & Regulations, R.V.C.A Box 599, 3889 Rideau Valley Drive. Manotick, Canada K4M 1A5 Telephone (613) 692-3571 (x1191)

Fax: (613) 692-0831 e-mail:jamie.batchelor@rvca.ca Web site: www.rvca.ca

To:

Kimberly Arnold

Organization:

Hatch Ltd. fax: 905-374-1157

c.c.:

Date:

June 21, 2011

Subject:

RE Smiths Falls 1 Solar Project Comments

Lot 3, Concession 2, Former Township of South Elmsley, Township of

Rideau Lakes

Message:	
Please see attached.	
,	

Date: June 20, 2011 File: 11-RLA-GEN

Hatch Ltd.

Attn: Kimberley Arnold Environmental Coordinator 4342 Queen Street, Suite 500 Niagara Falls, Ontario, Canada L2E 7J7

tel 613-692-3571 | 1-800-267-3504 | fax 613-692-0831 | www.rvca.ca

Subject:

Request for Conservation Authority review regarding RE Smiths Falls 1 Solar Project at: Lot 3, Concession 2, Township of South Elmsley, Township of Rideau

Lakes

FIT reference number FIT-FDSY1N4

Dear Ms. Arnold.

The Conservation Authority has received the most recent reports prepared by Hatch Ltd. for the RE Smiths Falls 1 Solar Project. Please find the following comments for your consideration.

#### Conservation Authority Regulation

The report has identified Otter Creek and three tributaries (A,B,C) on the Project site. The report has also identified a portion of the Project Site to be within the 120 metres adjacent lands of the Otter Creek Provincially Significant Wetland and within portions of the PSW itself. A portion of the Project site to the south has been identified as being within the 1:100 year floodplain of the Rideau River.

The Rideau Valley Conservation Authority administers Ontario Regulation 174/06 "Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation" under Section 28 of the Conservation Authorities Act. This regulation affects the property in the following manner:

- Any alteration, straightening, changing, diverting or interfering in any way with any watercourse requires the prior written approval from the Conservation Authority.
- Any development within the 120 metre adjacent lands to the PSW and within the PSW requires the written approval of the Conservation Authority.
- Any development within the 1:100 year floodplain of the Rideau River requires the prior written approval of the Conservation Authority.

#### Watercourses/Wetlands

The Draft Water Body Site Investigations Report has identified Otter Creek and three tributaries (tributary A,B,C) on the subject property. The report has also identified the average normal high water mark for each watercourse. According to the Draft reports a 30 metre buffer from all development will be provided from all watercourses. This is in accordance with the RVCA recommendations. However, within the 30 metre buffer it is proposed to construct stromwater conveyance measures consisting of multiple off-take ditches that will be connected to Tributary A. Flow dissipation measures will be installed in these off-take ditches to temporarily retain runoff and reduce velocities. From the Conservation Authority's perspective, the preferable approach would be to terminate the off-take

1/3

ditches at the 30 metre buffer line beyond which flows would be directed to the watercourse via overland flow. This would eliminate the need for the excavation of multiple ditches through the buffer.

The report has also indicated that it is anticipated that annual mowing may be required within the 30 metres of the PSW complex. It is the Conservation Authority's opinion that the 30 metre buffer should remain in its natural state to afford some protection to the PSW Complex.

The Otter Creek Provincially Significant Wetland has been identified south on the Project site. The Draft Natural Heritage Evaluation of Significance Report has included the evaluation of wetlands on the central portion of the subject property and the northwest corner of the subject property. The evaluation on the wetlands was carried out by Natural Resource Solutions Inc. The report concludes that:

"the wetlands found in the central and northwestern portions of the project location drain south and southwest towards Otter Creek PSW. Both areas are within the 70 m distance required for complexing. As such, both of these areas, as well as the wetlands in the southern part of the site would logically be part of the Otter Creek PSW."

As such the reports indicate that all of the wetland features identified in the NRSI report will be protected from any development. The RVCA agrees with this approach.

According to the reports, there is no proposed setback from the Otter Creek PSW located to the south of the project location. However the reports also indicate that there will only be two small areas of the wetland community located immediately adjacent to long term components of the Project site and that majority of the long term project components will be up to 50 metre away from the PSW. Based on the mapping accompanying the report, it is unclear as to where these two locations are. Clarification is required.

#### Natural Hazards

A portion of the Project site is located within the 1:100 year floodplain of the Rideau River (identified as 108.2 metres geodetic). The reports illustrate a proposed "Temporary Construction Laydown Area" within the floodplain. In accordance with Provincial Policy the RVCA recommends that the application be revised so that there is no site alteration, temporary or permanent within the floodplain.

#### Watercourse Crossings

According to the reports, the existing farmer's access road crosses watercourse A on the east side of the Project site. In order to facilitate heavy equipment access to the southern section of the Project site, the report concludes that the access road and water crossing structure may require upgrading. The report also concludes that a distribution line crossing Watercourse A will be required to electrically connect the portion of the facility south of the watercourse to the substation north of the watercourse. It should be noted that any upgrading to the water crossing structure and the crossing for the distribution line will require the prior written approval from the RVCA under Ontario Regulation 174/06 pursuant to s.28 of the Conservation Authorities Act.

The following reports were reviewed by Jennifer Lamoureux, RVCA Aquatic and Fish Habitat Biologist from an aquatic and fish habitat perspective:

- -"Re Smiths Falls 1 solar Project DRAFT Water Body Site Investigations Report" dated April 8, 2011 prepared by HATCH.
- "Re Smiths Falls 1 Solar Project DRAFT Water Body Records Review Report" dated April 8, 2011 prepared by HATCH
- "Re Smiths Falls 1 Solar Project DRAFT Waterbodies Environmental Impact Study" dated April 8, 2011 prepared by HATCH

- "Re Smiths Falls 1 Solar Project - DRAFT Construction Plan Report" dated April 8, 2011 prepared by HATCH

The review provides comments that need to be considered during the design stages of the project and should not be considered final section 35 Fisheries Act review (please see memo dated June 9, 2011).

#### Stormwater Management

According to the DRAFT Waterbodies Environmental Impact Study, the small amount of impervious surfaces as a result of the project will result in an approximate increase of 6.4 % in total peak flow and a 3.6% increase in total volume of stormwater generated from the Project site. We note that this increase is contrary to the 2003 Ministry of Environment Stormwater Management Planning and Design Manual which clearly states:

"Generally, accepted criteria are that maximum peak flow rates must not exceed predevelopment values for storms with return periods ranging from 2 to 100 years."

Therefore the stormwater management for the Project site should be revised to conform to the 2003 MOE Stormwater Management Planning and Design Manual.

#### Groundwater

The report concludes that an estimated 10 000 L/d will be drawn from the well and used for dust control and other construction purposes and will not exceed 45 000 L/d. The report also notes that should dewatering be required as a result from open excavations, groundwater will be pumped out of the excavation, treated, if required to meet MOE water quality discharge criteria, and discharged to a byegetated buffer area. It should be noted that should the dewatering as a result of excavation exceed 50 000 L/d it will require a Permit to Take Water from the Ontario Ministry of Environment.

Thank you for giving us the opportunity to provide comments. Should you have any further questions do not hesitate to contact me at 613-692-3571 ext. 1191.

Yours truly,

Jamie Batchelor

Planner

CC: Ministry of Environment

3889 Rideau Valley Drive, P.O. Box 599, Menotick, ON K4M 1A5 tel 613-692-3571 | 1-800-267-3504 | 16x 613-692-0831 | www.rvca.ce

Attn: Jamie Batchelor, Planner, RVCA

Date: June 9th 2011

From: Je

Jennifer Lamoureux, Aquatic and Fish Habitat Biologist, RVCA

Re: "Smiths Falls Phase I Solar Project" prepared by Hatch, dated April 2011, located in the Otter Creek subwatershed, in Rideau Lakes Township.

The following reports were reviewed from an aquatic and fish habitat perspective:

- "Re Smiths Falls 1 Solar Project" DRAFT Water Body Site Investigations Report, Prepared by HATCH, dated April 8th 2011
- "Re Smiths Falls 1 Solar Project" DRAFT Water Body Records Review Report, Prepared by HATCH, dated April 8<sup>th</sup> 2011
- "Re Smiths Falls 1 Solar Project" DRAPT Waterbodies Environmental Impact Study, Prepared by HATCH, dated April 8th 2011
- "Re Smiths Falls 1 Solar Project" DRAFT Construction Plan Report, Prepared by HATCH, dated April 8th 2011

The following comments are to be considered during the design stages of the process and are not considered final section 35 Fisheries Act comments:

1) Fish habitat is defined by the Fisheries Act as "Spawning grounds and nursery, rearing, food supply, migration and any other areas on which fish depend directly or indirectly in order to carry out their life processes". The fish habitat status for the watercourses within the study area consists of direct fish habitat. Fish Habitat conditions range from moderate sensitivity to high sensitivity on the subject property. The following table identifies the fish community within the Otter Creek subwatershed and is based on survey work carried out by Aquatic Habitat Monitoring staff at RVCA. This information should be included in Section 2.4 Conservation Authority Records.

MNR Code	Common Name	Scientific Name	Recreational Fishery	Commercial Fishery	Bait Fishery	Reproductive Guild	Thermal Class	Trophic Guild
163	White Sucker	Catostomus commersoni				(non guarder) Lithophils	cool	Insectivore/ Onunivore
182	Northern redbelly dace	Phoxinus cos			х	(non guarder) Phytophils	cool/wann	Herbivore
141	Central mudminnow	Umbra limi			х	(non guarder) Phytophils	COOPWALUT	Insectivore/ Omnivore
281	Brook	Culáca			х	(guarders)	cool	Insectivore

	stickleback	inconstans	<u></u>			Ariadnophils		
198	Common shiner	Luxilus comulus			х	(guarders) Lithopils	cool	Insectivore
261	Banded killifish	Fundulus diaphanus			х	(non guarder) Phytophils	cool	Insectivore
314	Aluegill	Lepoinis macrochirus	х			(nest spawners) Lithophils	Cool/warm	Insectivare
313	Pumpkinseed	Lepomis gibbosus	x			(nest spawners) Polyphils	Cool/warm	Insectivore
311	Rock bass	Ambloplites rupestris	X			(nest spawners) Lithophils	Wann	Insectivare
317	Largemouth bass	Micropierus salmoides	x	past		(nest spawners) Phytophils	warm	Insectivore/Pis civore
331	Yellow perch	Perca flavoscens	x	Х		(non guarder) Phyto-lithophils	cool	Insectivore/Pis
342	Log perch	Percina caprodes			х	(non guarder) Psammophils	cool	Insectivore
131	northern pike	Esox lucius	x			(non guarder) Phytophils	cool	Piscivore
194	Golden shiner	Notemigonus crysoleucas			х	(non guarder) Phytophils	сооГ/мапи	Omnivore
233	Brown bullhead	Ameiums nebulosus	X	limited	х	(guarder) Spelcophils	Wann	Insectivore

2) It is understood that as part of the proposed undertaking there are new water crossings proposed. The following information should be considered during the design stages of the new water crossings.

New Water Crossing Considerations (An authorization for the harmful alteration, disruption or destruction of fish habitat will not be required for new water crossing installations on fish habitat provided the following criteria can be met):

- No channel realignment is required
- No infilling on moderately important fish habitat (e.g. pike spawning habitat, floodplain fish passage use)
- Water crossing spans bankfull width including the placement of abutments, footings or armoring
- Stream dynamics are not destabilized by the crossing
- Fish passage is maintained during operation and life of the water crossing as per fisheries management objectives

Water Crossing Modifications – Extensions (An authorization for the harmful alteration, disruption or destruction of fish habitat will not be required in instances where existing water

crossings requiring minor water crossing extensions will be extended with a similar design or better and all if the following criteria can be met):

- The extension does not require channel realignment
- The extension does not result in an infill
- The footprint of the project is not placed on important habitat or areas of groundwater upwelling
- The extension does not impede fish passage (e.g. velocity barrier due to crossing length) as per fisheries management objectives
- The extension does not cause destabilization of the upstream or downstream channel

#### Additional Mitigation Measures:

- Water crossings should be backfilled with substrate material that is consistent with existing substrate size and texture found within the watercourse and will remain in/under the crossing
- Embed water crossings as appropriate to ensure fish passage and channel crossing stability
- Fish passage should be maintained through the water crossing at high and low flows.
- The natural stream gradient should be maintained upstream, downstream, and through the water crossing.
- Fish passage is maintained during operation and life of the water crossing as per fisheries management objectives

It is understood that details regarding crossing type is not finalized.

- 3) The general mitigation measures detailed in Section 4.2.1.5 Access Road and Water Crossing Construction listed in the Environmental Impact Study report are standard mitigation measures we would ask for in the permit. However, final construction phase mitigation measures will be further developed at the permitting stage as we will require detailed design information for the proposed water crossings in order to develop and implement appropriate mitigation.
- 4) Fish habitat of this location is considered to be "Type 1 enhanced" (80% TSS removal) with cool and warm water top predators and forage fish present in the Otter Creek and tributary systems as identified in the consultants report. The following is an excerpt from the MOE storm water manual in section 3.3.1.1:

#### Section 3.3.1.1 Level of Protection

#### Enhanced Protection

Enhanced protection or greater should be used when sensitive aquatic habitat will be impacted by end-of-pipe discharge. Generally this will include receiving waters that have aquatic communities that have adapted to a low suspended solids environment. Conditions where a minimum of enhanced protection should be used include:

- Areas with high permeability soils (i.e., Soil Conservation Service (SCS) hydrologic classes A and
   B) conducive to infiltration resulting in low suspended solids loadings from the pre development site;
- Habitat sensitive to sediment and siltation (such as gravel bottom used for bass or brook trout spawning);
- High baseflow discharge areas (such as groundwater upwellings important to brook trout);
- Low upstream sediment loads resulting in clear surface water important to maintaining habitat for sight feeding fish species (such as bass, northern pike, lake trout, and brook trout); and

- Low pre development erosion characteristics (such as dense vegetation, or erosion resistant soils).
  - 5) As noted in Section 4.4.1 Water Crossing Upgrading a permit will be required under Section 28 of the Conservation Authorities Act. Further Fisheries Act review will be required for the proposed water crossings along with other modifications to Otter Creek and the tributary watercourse including but not limited to for example storm water outlets and the proposed distribution line crossing. Detail design mitigation and construction phase mitigation will be required to mitigate impacts to fish habitat.
  - 6) The appropriate setback for the watercourses on the subject property is a 30m no touch zone along both banks in order to improve water quality conditions, protect aquatic habitat and maintain riparian terrestrial functions.

Please call if you have any questions with respect to the comments above.

Jennifer Lamoureux 613-692-3571ext 1108 Aquatic and Fish Habitat Biologist, WSES



# **Appendix G Correspondence with Municipalities**

#### Vukovics, Kathleen

lamonaco, Christine From:

Sent: Monday, March 15, 2010 10:29 AM

To: 'Sheldon Laidman': 'dianna@twprideaulakes.on.ca' 'Sean Caffyn'; Arnold, Kimberley; 334680; Boucher, Noel Cc:

Recurrent Energy Solar Projects - Meeting with Township of Rideau Lakes - March 30, 2010 Subject:









Municipal C...

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Municipal C...

RE Smith Falls 1 ^ RE\_Smiths\_Fall\_1\_-RE Smith Falls 6 ^ RE\_Smiths\_Falls\_6\_ -\_Draft\_Proj...

#### Hi Sheldon and Dianna:

I am writing to confirm that Sean Caffyn of Recurrent Energy, Kim Arnold of Hatch and I will be attending our meeting on March 30, 2010 at 1:00 p.m., at the Township of Rideau Lakes office, and that Sheldon Laidman will attend.

#### Proposed Meeting Agenda

- 1. Introduction to Recurrent Energy and Hatch
- 2. Renewable Energy Approvals Process
- 3. Project Description
- 4. Questions/Comments
- 5. Follow-up

There are a total of 2 proposed solar projects in the Township of Rideau Lakes, in the Unitied Counties of Leeds and Grenville. I have attached the Municipal Consultation Forms and the Project Description Reports (required under the Renewable Energy Approval Process) for each of the projects. I will bring hard copies of the PDRs to the meeting. The Project Description Reports provide information on each of the projects (location, capacity, etc.) as well as general information on construction, operation and potential environmental effects. We can discuss in more detail at the meeting.

I will also bring hard copies of the location maps for the proposed projects to assist our discussions.

If you need to reach me ahead of the meeting for any reason, please email me at ciamonaco@hatch.ca, or at the phone number, provided with my email signature.

Regards,

#### Christine lamonaco

Social Impact Management Specialist Environment & Community Interface

#### **HATCH**

Tel: +1 905 855 7600 Direct: +1 905 491 7106 Email: ciamonaco@hatch.ca Fax: +1 905 855 8270

2800 Speakman Drive, Mississauga, Ontario Canada L5K 2R7



# Renewable Energy Approval Consultation Form: municipalities, local authorities ss. 18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

Ministry of the Environment

## PART A: TO BE COMPLETED BY THE APPLICANT BEFORE SUBMITTING TO MUNICIPALITY OR LOCAL AUTHORITY

**Section 1 - Project Description** 

1.1 - Renewable Energy Project						
Project Name (Project	Project Name (Project identifier to be used as a reference in correspondence)					
Project Location						
Same as Applicant Phy	sical Address? Ye	es $X$ No (If no, plo	ease provide site address info	rmation belo	w)	
Civic Address- Street in	formation (includes street	number, name, type and	direction)		Unit Identifie	er (i.e. apartment number)
57 Eric Hutshe	eson Rd., Smith	Falls, ON K7A	4 F 5			
Survey Address (Not re	quired if Street Information	is provided)			l.	
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.  Part and Reference: used to indicate location within unorganized territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.					art and a reference plan	
Lot	Conc.		Part		Refer	ence Plan
Location Information (in Township of R	•	mation to clarify physica	l location)(e.g. municipality, w	ard/ township	))	
Geo Reference (e.g.	southwest corner of proper	ty)				
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Eastir	ng	UTM Northing
		,				
Project Phasing (out	line construction, operat	ion and decommission	ning activities) Estimated s	tart of cons	truction - No	vember 2011
Construction - Construction of access roads, laydown area preparation, installation of underground cabling, construction of						
foundations and substructures for arrays, construction of concrete pad for transformer station and inverter, erection of a 44-kV						
distribution connection from the facility to the connection point, and site restoration of disturbed areas. Fencing and security lighting to be installed. Construction Duration: 6 to 10 months						
			luding accesional alconing	with water	and accasio	tad infrastructura
			luding occasional cleaning	with water,	and assucia	ted initastructure
<ul> <li>No waste is produced. Estimated COD - June 2012</li> <li>Decommissioning - Removal of all project infrastructure, and site restoration of disturbed areas, after 30 years of service</li> </ul>						

#### 1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project (consider construction, operation and decommissioning activities.)

Environmental effects that may occur from this project include, but are not limited to:

- erosion and sedimentation into adjacent watercourses and natural areas
- removal of some natural vegetation and tree species
- disturbance of local wildlife and some loss of habitat
- noise emissions from transformers and inverters

Propose early avoidance/prevention/mitigation concepts and measures.

- Standard sediment/erosion control measures will be used on site
- Impacts to areas of natural vegetation will be minimized where possible
- No construction to occur within at least 30 m of the high water mark of a watercourse
- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor
- Noise studies carried out in order to ensure no impact on receptors; noise barriers will be installed

1.3 - Renewable Energy Generation Facility						
Type of Facility / Operation (select all that apply & complete all appropriate sections)						
Wind Facility (Land Based) Wind Facility (Off-Shore) Biogas Facility (Anaerobic Digesters) Biomass Facility (Thermal Treatment)		X	Biofuel Facility  Solar Photo Voltaic Facility  Other Describe :  Class (if applicable) :			
Name Plate C	Capacity	Expected Generation		Service Area	Total Area of Site (hectares)	
10 MW AC / 10 MVA 14,674,938 kWh in first year		14,674,938 kWh in first year		Smith Falls Transmission Station	48	
Provide a description of the facilities equipment or technology that will be used to convert the renewable energy source or any other energy source to electricity.						
Solar photovoltaic panels will be installed on the site to convert solar energy into electricity. The exact panels to be used remain to be determined.						

### 1.4 - Renewable Energy Generation Activities

distribution level voltages by a series of transformers.

Describe the activities that will be engaged in as part of the renewable energy project

The facility operates 365 days per year when sufficient solar irradiation exists to generate electricity. Typical electricity generation begins shortly after sunrise and stops shortly before sunset. Operation is remotely monitored.

DC electricity generated from the PV panels is converted to AC electricity by an inverter. The inverter steps up electricity to

The facility requires periodic visits for maintenance during the operation phase, such as checking and replacing worn parts, checking electrical connections and cleaning panels.

#### **Section 2 – Supporting Documents**

2.1 - Requirement	Name of Draft documents distributed for consultation	Date available to Municipal or Local Authority Contact	
DRAFT Project Description Report	Draft Project Description Report	March 19, 2010	
DRAFT Design and Operations Report	Draft Design and Operation Report	April 21, 2011	
DRAFT Construction Plan Report	Draft Construction Plan Report	April 21, 2011	
DRAFT Decommissioning Plan Report	Draft Decommissioning Plan Report	April 21, 2011	
List of other Documents	Draft Natural Heritage Assessment	April 21, 2011	
	Draft Water Body Assessment	April 21, 2011	
	Draft Executive Summary	April 21, 2011	
	Draft Noise Assessment Study	April 21, 2011	
	Draft Stage 1-2 Archaeological Assessment Report	April 21, 2011	

Location where written draft reports can be obtained for public inspection (physical location for viewing and the applicants project website if one is available):

A copy of the reports will be made available on the applicants website (www.recurrentenergy.ca). Copies will be made available for public inspection within the municipality; this location remains to be determined, but a notification will be provided of the release for public review. A hard copy of the reports will also be provided to the municipality for their review.

#### Section 3 - Applicant Address and Contact Information

3.1 - Applicant Information (Owner of project/facility)								
Applicant Name (legal na	Applicant Name (legal name of individual or organization as evidenced by legal documents)  Business Identification Number							
RE Smith Falls 1 ULC 1809992								
Business Name (the name under which the entity is operating or trading - also referred to as trade name)  X  Same as Applicant Name								
Civic Address- Street info	ormation (includes street number	r, name, type ar	nd direction)		Unit	Identifier (i.e. apartment number)		
0,	LC, 300 California St., 8th F							
Survey Address (Not req	uired if Street Information is prov	/ided)						
	within a subdivided township ber and a concession number.		te location within an unsubdi			urveyed territory, and consists of a nat plan. Attach copy of the plan.		
Lot	Conc.	Part Reference Plan						
Municipality	County/District		Province/State	Country	•	Postal Code		
San Francisco			California	United S	tates	94104		

## PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

### Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Local Municipality (include each local municipality in which project location is situated)  Yes No							
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address		
	ity (include each upper tier r			☐ Yes			
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address		
Widilicipality							
	lude each local roads area ir	1	,	☐ Yes			
Name of local	Address	Phone	Secretary-treasurer's	Secretary-treasurer's	E-Mail Address		
roads board			Name	Phone/Fax			
Board Area (include ea	ach board area in which proj	ject location is situated)	,	☐ Yes	□ No		
Name of Local	Address	Phone	Secretary's name	Secretary's	E-Mail Address		
Service Board				Phone/Fax			
		<u>1</u>		<u> </u>			
	S	Section 5: Consulta	ation Requirement				
5.1 - Project Location	n						
Provide comment on	the project location with r	respect to infrastructur	e and servicing.				
5.2 - Project Roads							
	the proposed project's pl	ans respecting propos	sed road access.				
1101100	mo proposed project p	dilo : 00p 00	04 1044 400222				
Identify any issues ar	nd provide recommendati	ione with respect to ros					
identity arry issues at	ia provide recommendati	ons with respect to roc	<u>ia access</u>				
Danida a anna antara							
Provide comment on any proposed Traffic Management Plans							
Identify any issues ar	nd provide recommendati	ons with respect to the	e proposed Traffic Manage	ement Plans			
, ,		<u> </u>					

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location
identity any issues and recommendations with respect to any casements of Restrictive Covenants associated with the Project cocation
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal
or local authority infrastructure that could be damaged during construction.
and the state of t
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing
drainage, water works and sanitary sewers
Identify any inques and recommendations with respect to the proposed leastion of buried kineke and above grade utility youlto
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

#### Vukovics, Kathleen

lamonaco, Christine From:

Monday, March 15, 2010 10:24 AM Sent: To: 'Hay, Sandy'; 'Lesley.todd@uclg.on.ca'

'Sean Caffyn'; Arnold, Kimberley; 334680; Boucher, Noel Cc:

Recurrent Energy Solar Projects - Meeting with United Counties of Leeds and Grenville -Subject:

March 29, 2010









RE Smith Falls 1 ^ RE Smith Falls 6 ^ RE\_Smiths\_Fall\_1\_-RE\_Smiths\_Falls\_6\_ Municipal C...

Municipal C...

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#### Hi Sandy and Lesley:

I am writing to confirm that Sean Caffyn of Recurrent Energy, Kim Arnold of Hatch and I will be attending our meeting on March 29, 2010 at 2:30 p.m., at the United Counties of Leeds and Grenville office, and that Sandy Hay, and possibly others, will attend.

#### Proposed Meeting Agenda

- 1. Introduction to Recurrent Energy and Hatch
- 2. Renewable Energy Approvals Process
- 3. Project Description
- 4. Questions/Comments
- 5. Follow-up

There are a total of 2 proposed solar projects in the Township of Rideau Lakes, in the Unitied Counties of Leeds and Grenville. I have attached the Municipal Consultation Forms and the Project Description Reports (required under the Renewable Energy Approval Process) for each of the projects. I will bring hard copies of the PDRs to the meeting. The Project Description Reports provide information on each of the projects (location, capacity, etc.) as well as general information on construction, operation and potential environmental effects. We can discuss in more detail at the meeting.

I will also bring hard copies of the location maps for the proposed projects to assist our discussions.

If you need to reach me ahead of the meeting for any reason, please email me at ciamonaco@hatch.ca, or at the phone number, provided with my email signature.

#### Regards,

#### **Christine Iamonaco**

Social Impact Management Specialist **Environment & Community Interface** 

### **HATCH**

Tel: +1 905 855 7600 Direct: +1 905 491 7106 Email: ciamonaco@hatch.ca

Fax: +1 905 855 8270

2800 Speakman Drive, Mississauga, Ontario Canada L5K 2R7



# Renewable Energy Approval Consultation Form: municipalities, local authorities ss. 18(2) Ontario Regulation 359/09

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Ministry of the Environment

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Project Location						
Same as Applicant Phy	sical Address? Ye	es $X$ No (If no, plo	ease provide site address info	rmation belo	w)	
Civic Address- Street in	formation (includes street	number, name, type and	direction)		Unit Identifie	er (i.e. apartment number)
57 Eric Hutshe	eson Rd., Smith	Falls, ON K7A	4 F 5			
Survey Address (Not re	quired if Street Information	is provided)			l.	
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.  Part and Reference: used to indicate location within unorganized territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.					art and a reference plan	
Lot	Conc.		Part		Refer	ence Plan
Location Information (in Township of R	•	mation to clarify physica	l location)(e.g. municipality, w	ard/ township	))	
Geo Reference (e.g.	southwest corner of proper	ty)				
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Eastir	ng	UTM Northing
		,				
Project Phasing (out	line construction, operat	ion and decommission	ning activities) Estimated s	tart of cons	truction - No	vember 2011
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<ul> <li>No waste is produced. Estimated COD - June 2012</li> <li>Decommissioning - Removal of all project infrastructure, and site restoration of disturbed areas, after 30 years of service</li> </ul>						

#### 1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project (consider construction, operation and decommissioning activities.)

Environmental effects that may occur from this project include, but are not limited to:

- erosion and sedimentation into adjacent watercourses and natural areas
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Type of Facility / Operation (select all that apply & complete all appropriate sections)						
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Name Plate C	Capacity	Expected Generation		Service Area	Total Area of Site (hectares)	
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	Draft Water Body Assessment	April 21, 2011
	Draft Executive Summary	April 21, 2011
	Draft Noise Assessment Study	April 21, 2011
	Draft Stage 1-2 Archaeological Assessment Report	April 21, 2011

Location where written draft reports can be obtained for public inspection (physical location for viewing and the applicants project website if one is available):

A copy of the reports will be made available on the applicants website (www.recurrentenergy.ca). Copies will be made available for public inspection within the municipality; this location remains to be determined, but a notification will be provided of the release for public review. A hard copy of the reports will also be provided to the municipality for their review.

#### Section 3 - Applicant Address and Contact Information

3.1 - Applicant Information (Owner of project/facility)						
Applicant Name (legal name of individual or organization as evidenced by legal documents)				Business Identification Number		
RE Smith Falls 1 ULC					1809992	
Business Name (the name under which the entity is operating or trading - also referred to as trade name)  X same as Applicant Name						
Civic Address- Street info	ormation (includes street number	r, name, type ar	nd direction)		Unit	Identifier (i.e. apartment number)
c/o Recurrent Energy LLC, 300 California St., 8th Fl.						
Survey Address (Not required if Street Information is provided)						
	within a subdivided township ber and a concession number.		te location within an unsubdi			urveyed territory, and consists of a nat plan. Attach copy of the plan.
Lot	Conc.		Part			Reference Plan
Municipality	County/District		Province/State	Country		Postal Code
San Francisco			California	United S	tates	94104

## PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

### Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Local Municipality (inc	clude each local municipality	/ in which project location	is situated)	☐ Yes	□ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
	ity (include each upper tier r		1	☐ Yes	
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
Withitipality					
Local roads area (incl	lude each local roads area ir	n which project location is	s situated)	☐ Yes	□ No
Name of local	Address	Phone	Secretary-treasurer's	Secretary-treasurer's	E-Mail Address
roads board			Name	Phone/Fax	
Roard Area (include o	l ach board area in which proj	iact location is situated)		☐ Yes	□ No
Name of Local	Address	Phone	Secretary's name	Secretary's	E-Mail Address
Service Board	/ ladicss	THORE	Occidity 3 hame	Phone/Fax	Wall Address
	s	Section 5: Consulta	ation Requirement		
5.1 - Project Location	on				
	the project location with r	respect to infrastructur	e and servicing.		
		•			
1 / - 1					
5.2 - Project Roads		seting propos	1 1		
Provide comment on the proposed project's plans respecting proposed road access.					
Identify any issues ar	nd provide recommendati	ons with respect to roa	ad access		
Provide comment on	any proposed Traffic Mai	nagement Plans			
Identify any issues ar	nd provide recommendati	ons with respect to the	e proposed Traffic Manage	ement Plans	

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location
identity any issues and recommendations with respect to any casements of Restrictive Covenants associated with the Project cocation
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal
or local authority infrastructure that could be damaged during construction.
and the state of t
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing
drainage, water works and sanitary sewers
Identify any issues and recommendations with respect to the proposed location of buried kiceke and shove grade utility yoults
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.



Minutes of Meeting

March 29, 2010

Recurrent Energy Inc.
Renewable Energy Approvals Solar Energy Projects

#### **DISTRIBUTION**

Those present +

Kimberley Arnold (KA), Hatch

Kathleen Vukovics (KV), Hatch

David Brochu, Recurrent Energy Sean Caffyn, Recurrent Energy

## Project Kick-off Meeting with United Counties of Leeds and Grenville

MEETING DATE: March 29, 2010

LOCATION: United Counties of Leeds and Grenville, Brockville, Ontario

PRESENT: Sandy Hay (SH), County Planner, United Bob Leah (BL), Recurrent Energy

Counties of Leeds and Grenville (County)

Laurence Jones (LJ), Building Asset Management Coordinator, United

Counties of Leeds and Grenville (County)

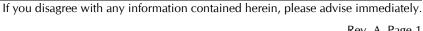
PURPOSE: To introduce Recurrent Energy and the proposed Smiths Falls 1 and Smiths Falls 6 Solar

**Energy Projects** 

ITEM ACTION BY

Working Together

## 1. Introduction to Recurrent Energy and Hatch



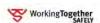


- KA opened the meeting by discussing the agenda:
  - To introduce Recurrent and Hatch, and the proposed Project to the County representatives
  - To discuss Renewable Energy Approval Process
  - To discuss Smiths Falls 1 and Smiths Falls 6 Solar Energy Projects
  - Answer any questions and discuss any comments associated with the proposed Projects
- BL provided background information on the following:
  - Solar energy
  - Recurrent Energy Inc.
  - The 22 projects proposed for Ontario
  - The FIT program

## 2. Renewable Energy Approvals Process

- KA provided a brief description of the Renewable Energy Approval (REA)
   Regulation and process. KA reflected that the Project Descriptions (PD)s had
   been sent out to the County and discussed the timeframe for notices and
   Public Information Centres (PIC)s 1<sup>st</sup> PIC scheduled for late May, 2<sup>nd</sup> PIC
   scheduled for August.
- SH stated that the County does not undertake site planning or zoning and but that they do advise the various mayors; therefore their concern is that RE provide the Municipality with the information they require. SH assumes that the Ministry of Environment (MOE) is acting in the best interest of Municipalities.
- SH stated that one concern at this time is off-site costs to the Municipalities
   i.e. road infrastructure during construction; ditching and drainage. Suggested
   that these things be brought up with the Municipalities, as some may not be
   aware of these potential effects.
- SH stated that there are lands within the County that are not suitable for agriculture, therefore solar energy development is a good fit. BL responded highlighting some development constraints including the requirement for Ontario content; the restrictions for development on prime agricultural lands; and location of transmission infrastructure. SH suggested a contact to suggest additional lands for development.

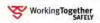
County





## 3. Project Description – RE Smiths Falls1 and RE Smiths Falls 6

• KA introduced the Project areas and provided a brief description of each.





## 4. Additional Questions/Comments

The following provides a summary of additional discussion topics:

- LJ inquired as to how landowners are approached for leases. BL responded with an explanation of this process.
- LJ inquired as to the transmission of energy from the site to the grid/Hydro One. BL responded with a discussion about the conversion and step-up of power ending at the tie point with Hydro One infrastructure.
- LJ inquired as to the responsibilities of the landowners. BL responded that RE would be responsible for fencing and security. Discussion also included ground maintenance within the development.
- LJ inquired as to the height of the panels/structures. RE explained that the top of the panels can be 9' to 12' tall.
- SH asked whether biocide would be utilized. KA/BL described the various plans that will be submitted with the REA including operation/decommissioning plans, esp. erosion/sedimentation mitigation measures.
- LJ asked about the timeframe for project development. KA responded that REA submission is scheduled for August and the construction period will be 4-6 months.
- KA asked whether the County had any concerns with access. SH responded that these are Township roads.
- KA asked whether SH would be the contact at the County. SH replied that he would. SH stated that he would be providing information to the various Municipalities, advising them that they have no jurisdiction, but that they are to liaise with the public and developer.

Hatch

SH mentioned a group called the Leeds and Grenville Landowner
 Association, but did not expect them to have an issue with these projects.

Hatch

- KA went through the consultation form and inquired as to the existence of buried infrastructure on site. SH responded that the Townships would have this information via the County GIS.
- have been awarded; and when thee PICs are scheduled.



• KA outlined the requirement to send the County the Municipal Consultation Form for sign-off along with various reports. SH asked that these be re-sent with specific instructions on their completion. KA stated that she would provide instructions, but also find out whether a signature was required, and who would sign. KA also requested that the information was not put before council until the FIT contracts are awarded. SH replied that his discussions with The Townships have been informal.

- SH asked that the consultation forms be sent again. KA agreed and stated that she would let the County know when the FIT contracts.
- KA asked if documents could be placed at the County for public review. SH agreed.

Kathleen Vukovics





Minutes of Meeting

March 30, 2010

Recurrent Energy Inc.
Renewable Energy Approvals Solar Energy Projects

#### **DISTRIBUTION**

Those present +
David Brochu, Recurrent Energy
Sean Caffyn, Recurrent Energy

## **Project Kick-off Meeting with the Township of Rideau Lakes**

MEETING DATE: March 30, 2010

LOCATION: Township of Rideau Lakes, Rideau Lakes

PRESENT: Greg Newman (GN), Senior Planner Bob Leah (BL), Recurrent Energy

Township of Rideau Lakes (Township) Kimberley Arnold (KA), Hatch

Kathleen Vukovics (KV), Hatch

PURPOSE: To introduce Recurrent Energy and the proposed Smiths Falls 1 and Smiths Falls 6 Solar

**Energy Projects** 

ITEM ACTION BY



If you disagree with any information contained herein, please advise immediately.



## 1. Introduction to Recurrent Energy and Hatch

- KA opened the meeting by discussing the agenda:
  - To introduce Recurrent and Hatch, and the proposed Project to the County representatives
  - To discuss Renewable Energy Approval Process
  - To discuss Smiths Falls 1 and Smiths Falls 6 Solar Energy Projects
  - Answer any questions and discuss any comments associated with the proposed Projects
- GN provided some preliminary comments on the high level of public and Township interest in previous projects as well as these proposed projects.
- BL provided background information on the following:
  - Solar technology
  - Recurrent Energy Inc.
  - The 22 projects proposed for Ontario
  - Lease terms
  - Project decommissioning

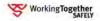
#### 2. Initial Discussions

- GN inquired regarding fixing the foundation on the Canadian Shield. BL responded that it is too early in the process for specific development details.
- GN stated that there has been some interest in how the properties will look following decommissioning. BL responded that in this area panels are usually mounted on poles which are removed easily, with limited concrete pads. BL added that buried power lines can be removed easily.
- GN asked where the agricultural classification information came from. KA
  responded that they are from the Canada Land Inventory and that RE has had
  a soils specialist evaluate the lands. BL discussed the FIT program and the use
  of Class 3 agricultural lands. KA offered to send information on the Ontario
  Power Authority (OPA) to GN.

Hatch

## 3. Renewable Energy Approvals Process

GN stated that he was aware of the Renewable Energy Approval (REA) process
and that the Township will provide comments via the Municipal Consultation
Form. GN stated that land use activities will be of interest to the Township,





such as buffering between the project and neighbouring lands.

## 4. Project Description – RE Smiths Falls 1 and RE Smiths Falls 6

- KA introduced the Project areas and provided a brief description.
- GN stated that there are significant woodlands in the area; that they are both
  off of the Canadian Shield, but that the Township will not have a real interest
  other than distance from watercourses. KA stated that the REA requires a 30 m
  buffer from the high water mark.
- GN asked if there were layouts for the proposed projects. BL responded that there are no layouts, only MW capacity at this point.

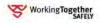




## 5. Additional Questions/Comments

The following provides a summary of additional discussion topics:

- GN stated that a concern of the Township will be site access, and elaborated
  that the Township is attempting to provide more input on projects via the
  entrance permit application process. The Townships concern is ensuring
  compatible land use with neighbouring properties.
- GN noted that another general concern is the number of trucks travelling the
  Township roads, although not specifically Eric Hutcheson Rd. GN stated that
  compensation for road restoration is a major interest of Sheldon Laidman. The
  hope is that the roads would be restored to current condition or better. GN
  noted that the scope of the project would be determined prior to analyzing
  any anticipated costs for compensation, should this be discussed with
  Recurrent Energy.
- KA asked about the requirement for entrance permits. GN stated that the cost of a residential entrance permit is currently \$70.
- KA inquired about Building Permits. GN replied that the cost is \$12/\$1,000 of construction expenditure, however this applies only to transformers and inverters, not the panels.
- GN stated that the taxes for solar energy projects are currently assessed at approximately 25% of the residential rate, but that this may increase to the residential rate.
- GN stated that some councillors have not been pleased with the buffering at a
  constructed project within the Township. There is an expectation that the
  projects would be screened from view. Expect also that fencing would be
  wood as opposed to barbed wire to be more gentle.
- GN asked about transformer noise. KA discussed the REA requirement for noise assessment.
- GN asked whether there are any drainage issues with projects such as these.
   KA described the 30 foot buffer between solar array rows, and that construction and operation mitigation would ensure proper drainage as well as erosion and sedimentation control. KA described the reports that would be provided to the Township as part of the REA process. These would be sent following the award of the FIT contracts.
- KA stated that PIC 1 would be scheduled for late May, and PIC, beginning of August; construction could start in winter spring 2011 and commissioning in August 2011.





ITEM ACTION BY

- KA stated that Sheldon Laidman has been sent the PDRs and Municipal Consultation Forms. KA asked whether GN could suggest a PIC location. GN suggested the South Elmsley Municipal Complex.
- KA advised that information is required to be sent to FN prior to municipalities, and that the intent is to inform the public once a FIT contract is confirmed.
- GN indicated that moving forward, Sheldon would be the main contact at the Township.

Kathleen Vukovics

From: Vukovics, Kathleen

Sent: Wednesday, April 07, 2010 9:34 AM To: slaidman@twprideaulakes.on.ca Cc: 334680; Arnold, Kimberley

Subject: Recurrent Energy: Smiths Falls 1 and Smiths Falls 6 Solar Energy Projects - Revised Draft

Project Description Reports

Attachments: RE Smiths Falls 6 - Draft Project Description Report - v2 030910.pdf; RE Smiths Falls 1

- Draft Project Description Report - v2 030910.pdf

#### Good Morning Sheldon,

Please find attached updated versions of the Draft Project Description Reports for the Smiths Falls 1 and Smiths Falls 6 solar energy projects proposed by Recurrent Energy in the Township of Rideau Lakes.

These versions supersede the electronic versions that were originally provided to you via email on March 15, 2010. A hard copy of the attached was provided during our March 30, 2010 meeting with Greg Newman.

Thanks very much,

Kathleen Vukovics

#### **Kathleen Vukovics**

Environmental Scientist / Environmental Assessment & Management



Tel: +1 905 374 0701 ext. 5313

Fax: +1 905 374 1157

From: Vukovics, Kathleen

Sent: Wednesday, April 07, 2010 9:27 AM

To: sandy.hay@uclg.on.ca
Cc: sandy.hay@uclg.on.ca
334680; Arnold, Kimberley

Subject: Recurrent Energy: Smiths Falls 1 and Smiths Falls 6 Solar Energy Projects - Revised Draft

Project Description Reports

Attachments: RE Smiths Falls 6 - Draft Project Description Report - v2 030910.pdf; RE Smiths Falls 1

- Draft Project Description Report - v2 030910.pdf

Hi Sandy,

Please find attached updated versions of the Draft Project Description Reports for the Smiths Falls 1 and Smiths Falls 6 solar energy projects proposed by Recurrent Energy in the United Counties of Leeds and Grenville.

These versions supersede the electronic versions that were originally provided via email on March 15, 2010. A hard copy of the attached was provided during our March 29, 2010 meeting.

Thanks very much,

Kathleen

#### **Kathleen Vukovics**

Environmental Scientist / Environmental Assessment & Management



Tel: +1 905 374 0701 ext. 5313

Fax: +1 905 374 1157

From: Vukovics, Kathleen

**Sent:** Wednesday, May 05, 2010 5:00 PM **To:** slaidman@twprideaulakes.on.ca

Subject: Recurrent Energy: Proposed Solar Energy Projects - Township of Rideau Lakes

As you are aware, Recurrent Energy (RE) is proposing to construct two solar energy projects within the United Counties of Leeds and Grenville named RE Smiths Falls 1 and RE Smiths Falls 6. These projects are currently proceeding through the Renewable Energy Approval (REA) process which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting will be published in the *Smiths Falls EMC* on Thursday, May 6, 2010 and Thursday, May 13, 2010.

A copy of the Draft Project Description Reports for the proposed RE Smiths Falls 1 and RE Smiths Falls 6 projects will be sent to yourself this week. In accordance with the Ministry of Environment (MOE)'s *Technical Bulletin Five: Guidance for Preparing the Consultation Report*, can you please make these copies available for review by the public within your local municipal office.

Draft Project Description Reports and further information about these projects and about Recurrent Energy can also be found online at: www.ontariosolarfuture.ca.

If you have any questions, please do not hesitate to contact Kimberley Arnold, Manager – Environmental Services, Renewable Power at 905-374-5200 or <a href="mailto:karnold@hatch.ca">karnold@hatch.ca</a>.

Thank you,

#### **Kathleen Vukovics**

Environmental Scientist / Environmental Assessment & Management



**Tel: +1 905 374 0701 ext. 5313**Fax: +1 905 374 1157

From: Vukovics, Kathleen

**Sent:** Wednesday, May 05, 2010 5:02 PM

To: sandy.hay@uclg.on.ca

Subject: Recurrent Energy: Proposed Solar Energy Projects - United Counties of Leeds and Grenville

As you are aware, Recurrent Energy (RE) is proposing to construct two solar energy projects within the United Counties of Leeds and Grenville named RE Smiths Falls 1 and RE Smiths Falls 6. These projects are currently proceeding through the Renewable Energy Approval (REA) process which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting will be published in the *Smiths Falls EMC* on Thursday, May 6, 2010 and Thursday, May 13, 2010.

A copy of the Draft Project Description Reports for the proposed RE Smiths Falls 1 and RE Smiths Falls 6 projects will be mailed to yourself this week. In accordance with the Ministry of Environment (MOE)'s *Technical Bulletin Five*: *Guidance for Preparing the Consultation Report*, can you please make these copies available for review by the public within your local municipal office.

Draft Project Description Reports and further information about these projects and about Recurrent Energy can also be found online at: www.ontariosolarfuture.ca.

If you have any questions, please do not hesitate to contact Kimberley Arnold, Manager – Environmental Services, Renewable Power at 905-374-5200 or <a href="mailto:karnold@hatch.ca">karnold@hatch.ca</a>.

Thank you,

#### Kathleen Vukovics

Environmental Scientist / Environmental Assessment & Management



Tel: +1 905 374 0701 ext. 5313 Fax: +1 905 374 1157





May 5, 2010

Sheldon Laidman, Manager of Development Services Township of Rideau Lakes 1439 County Road 8 Delta, Ontario, K0E 1G0

Mr. Sheldon Laidman,

#### **Subject:** Draft Project Description Reports for Public Review

As you are aware, Recurrent Energy (RE) is proposing to construct two solar energy projects within the United Counties of Leeds and Grenville named RE Smiths Falls 1 and RE Smiths Falls 6. These projects are currently proceeding through the Renewable Energy Approval (REA) process which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting will be published in the *Smiths Falls EMC* on Thursday, May 6, 2010 and Thursday, May 13, 2010.

Please find enclosed a copy of the Draft Project Description Reports for the proposed RE Smiths Falls 1 and RE Smiths Falls 6 projects. In accordance with the Ministry of Environment (MOE)'s *Technical Bulletin Five*: *Guidance for Preparing the Consultation Report*, can you please make these copies available for review by the public within your local municipal office.

Draft Project Description Reports and further information about these projects and about Recurrent Energy can also be found online at: www.ontariosolarfuture.ca.

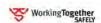
If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or karnold@hatch.ca.

Yours truly,

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

KV:lc

Attachments: Draft PDR – Smiths Falls 1 Draft PDR – Smiths Falls 6







May 5, 2010

Sandy Hay, County Planner, Works, Planning Services and Asset Management United Counties of Leeds and Grenville 25 Central Avenue West, Suite 100 Brockville, Ontario, K6V 4N6

Mr. Sandy Hay,

#### **Subject:** Draft Project Description Reports for Public Review

As you are aware, Recurrent Energy (RE) is proposing to construct two solar energy projects within the United Counties of Leeds and Grenville named RE Smiths Falls 1 and RE Smiths Falls 6. These projects are currently proceeding through the Renewable Energy Approval (REA) process which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting will be published in the *Smiths Falls EMC* on Thursday, May 6, 2010 and Thursday, May 13, 2010.

Please find enclosed a copy of the Draft Project Description Reports for the proposed RE Smiths Falls 1 and RE Smiths Falls 6 projects. In accordance with the Ministry of Environment (MOE)'s *Technical Bulletin Five*: *Guidance for Preparing the Consultation Report*, can you please make these copies available for review by the public within your local municipal office.

Draft Project Description Reports and further information about these projects and about Recurrent Energy can also be found online at: www.ontariosolarfuture.ca.

If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or karnold@hatch.ca.

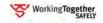
Yours truly,

**2**.

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

KV:lc

Attachments: Draft PDR – Smiths Falls 1 Draft PDR – Smiths Falls 6



From: Sheldon Laidman [mailto:slaidman@twprideaulakes.on.ca]

**Sent:** Friday, April 15, 2011 8:03 AM

To: Bob Leah

Cc: fire.j@twprideaulakes.on.ca

**Subject:** Fire Standards

Bob:

Attached are the Fire Protection Guidelines used by the Fire Department to guide road construction on private properties and private lanes. I believe the standards are relevant to your large scale solar energy project as it deals directly with lane width, lane clearance, turning radii, turnarounds, road base construction, and grade allowance requirements.

If your designer has any detailed questions about these requirements he can speak with me or Jay DiBernardi, Fire Chief, directly for clarification. The Fire Chief can be reached at the same phone number below.

Sheldon Laidman, MCIP RPP Manager of Development Services Township of Rideau Lakes 800 928-2250 613 928-3097 (fax) slaidman@twprideaulakes.on.ca



#### **Fire Protection Guidelines for Private Road Construction**

Private Roadways shall be constructed and maintained in accordance with these guidelines

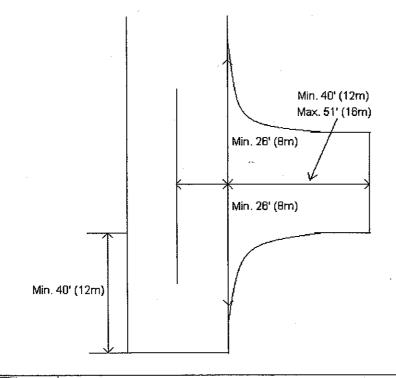
Full compliance with these guidelines will provide the greatest possibility for the fire department to provide full emergency response within its capabilities to do so. Any deviations from these guidelines could restrict, reduce, and/or delay emergency response.

- 1.1 Private roadways shall be constructed of a hard, all-weather surface designed to support the weight of an 18 tonne vehicle.
- 1.2 Every dead-end private roadway more than 91.5m (300ft) in length shall be provided at the closed end with a turnaround having not less than a 15.25m (50ft) (ideally 30.5m/100ft) outside diameter of traveled way. Also acceptable is a hammerhead-T turnaround to provide 3-point turnaround capability. Length of each section of turnaround to be 12m (40ft).
- 1.3 Private roadways shall have a minimum clear width of 3.7m (12ft). Provisions shall be made for factors that could impinge on the minimum width --for example, drainage, snow removal, parking, etc. In order to facilitate simultaneous emergency vehicle ingress and passenger vehicle egress, suitable areas shall be constructed to allow an automobile to pull completely off the roadway to allow the passage of an emergency vehicle.
- 1.4 Grades shall not be more than 10 percent except as permitted by 1.4.1.
- **1.4.1** Grades steeper than 10 percent may be acceptable by the Township where mitigation measures can be agreed upon jointly by the fire department and the public works department.
- 1.5 Grades shall not be less than 0.5 percent in order to prevent pooling of water in a traveled way.
- 1.6 At least 4.1m (13ft 6in) nominal vertical clearance shall be provided and maintained over the full width of all means of access.
- 1.7 Turns in private roadways shall maintain the minimum road width.
- 1.8 Where possible, turns in private roadways shall be constructed with a minimum radius of 30.5m (100ft) to the centreline.

# CLEAR WIDTH OF ROAD (EXAMPLE) -minimum clearances and width Height 13'6" (4.1m) Width 12' (3.7m)

#### **TURNAROUND DETAIL (EXAMPLE)**

A turnaround is required if a dead-end is longer than 91.5 m (300ft). -minimum distances and road dimensions





RURAL ROAD STANDARDS FOR EMERGENCY VEHICLE ACCESS Date: AUG 2005

Adapted from NPFA 1141 Section 5.2 and the Great Lakes Forest Fire Compact





April 18, 2011

Sheldon Laidman, Manager of Development Services Township of Rideau Lakes 1439 County Road 8 Chantry, ON K0E 1G0

Dear Mr. Laidman,

#### **Subject:** RE Smiths Falls 1 - Renewable Energy Approval Documents for Review

As you are aware, RE Smiths Falls 1 ULC is proposing to construct a solar energy project within the Township of Rideau Lakes named RE Smiths Falls 1. This project is currently proceeding through the Renewable Energy Approval (REA) process which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. A Notice of Public Meeting will be published in the *Smiths Falls EMC* on Thursday, April 21, 2011 and again on Thursday, May 19, 2011. The public meeting will be held on Thursday June 23, 2011. The Notice also indicates that the documents required to be prepared under the REA process will be released for a 60-day review period, commencing on Thursday April 21, 2011.

Please find enclosed a copy of these documents for the proposed RE Smiths Falls 1 project. In accordance with the O. Reg 359/09 Section 16, can you please make these copies available for review by the public within your local municipal office.

Additionally, please find enclosed a copy of these documents for the proposed RE Smiths Falls 1 project for your review. We request that you provide any comments you may have and provide the completed Municipal Consultation Form by the end of the 60-day review period.

Electronic copies of the documents and further information about this project and the project proponent can also be found online at: <a href="https://www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>.

If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or karnold@hatch.ca.

Yours truly,

Kimberley Arnold Manager- Environmental Services Renewable Power

KA:mg

Attachments:

Notice of Final Public Meeting – RE Smiths Falls 1
Draft Project Description Report – RE Smiths Falls 1
Draft Construction Plan Report – RE Smiths Falls 1
Draft Design and Operations Report – RE Smiths Falls 1
Draft Decommissioning Plan Report – RE Smiths Falls 1
Stage 1 and 2 Archaeological Assessment Report – RE Smiths Falls 1
Draft Natural Heritage Assessment Reports – RE Smiths Falls 1
Draft Water Body Assessment Reports – RE Smiths Falls 1
Draft Noise Assessment Report – RE Smiths Falls 1
Draft Report – RE Smiths Falls 1
Draft Executive Summary – RE Smiths Falls 1





Sheldon Laidman, Manager of Development Services

Township of Rideau Lakes April 18, 2011

Page 2





April 18, 2011

Sandy Hay, County Planner
United Counties of Leeds and Grenville
25 Central Avenue West
Suite 100
Brockville, ON
K6V 4N6

Dear Ms. Hay,

**Subject:** RE Smiths Falls 1 Solar Project

**Renewable Energy Approval Documents for Review** 

As you are aware, RE Smiths Falls 1 ULC is proposing to construct the RE Smiths Falls 1 Solar Project, within the United Counties of Leeds and Grenville. The project is currently proceeding through the Renewable Energy Approval (REA) process, subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation (O.Reg) 359/09. The Final Public Meeting for the Project will be held on Thursday, June 23, 2011 at the Lombardy Agricultural Society Hall, 6 Kelly Road, Township of Rideau Lakes, Ontario. A Notice of Public Meeting will be published in the *Smiths Falls EMC* on April 21, 2011 and again on May 19, 2011. The Notice also indicates that the documents required to be prepared under the REA process will be released for a 60-day review period, commencing on April 21, 2011.

Please find enclosed a copy of the REA documents for the proposed Projects for your review. We request that you provide any comments you may have and provide the completed Municipal Consultation Form by the end of the 60-day review period.

Electronic copies of the documents and further information about this project and the project proponent can also be found online at: www.ontariosolarfuture.ca.

If you have any questions, please do not hesitate to contact the undersigned at 905-374-5200 or karnold@hatch.ca.

Yours truly,

Kimberley Arnold,

Manager - Environmental Services Renwable Power

KA:mg

Attachments:

Notice of Final Public Meeting – RE Smiths Falls 1
Draft Project Description Report – RE Smiths Falls 1
Draft Construction Plan Report – RE Smiths Falls 1
Draft Design and Operations Report – RE Smiths Falls 1
Draft Decommissioning Plan Report – RE Smiths Falls 1
Stage 1 and 2 Archaeological Assessment Report – RE Smiths Falls 1
Draft Natural Heritage Assessment Reports – RE Smiths Falls 1
Draft Water Body Assessment Reports – RE Smiths Falls 1

Draft Noise Assessment Report – RE Smiths Falls 1 Draft Executive Summary – RE Smiths Falls 1





# Renewable Energy Approval Consultation Form: municipalities, local authorities ss. 18(2) Ontario Regulation 359/09

Ce formulaire est disponible en français

Ministry of the Environment

## PART A: TO BE COMPLETED BY THE APPLICANT BEFORE SUBMITTING TO MUNICIPALITY OR LOCAL AUTHORITY

**Section 1 - Project Description** 

1.1 - Renewable En	ergy Project					
Project Name (Project	ct identifier to be used a	s a reference in corre	spondence)			
Project Location						
Same as Applicant Phy	sical Address? Ye	es $X$ No (If no, plo	ease provide site address info	rmation belo	w)	
Civic Address- Street in	formation (includes street	number, name, type and	direction)		Unit Identifie	er (i.e. apartment number)
57 Eric Hutshe	eson Rd., Smith	Falls, ON K7A	4 F 5			
Survey Address (Not re	quired if Street Information	is provided)			l.	
Lot and Conc.: used to indicate location and consists of a lot number.	n within a subdivided towns mber and a concession		nce: location within unorganized to ng the location within that plar			art and a reference plan
Lot	Conc.		Part		Refer	ence Plan
Location Information (in Township of R	•	mation to clarify physica	l location)(e.g. municipality, w	ard/ township	))	
Geo Reference (e.g.	southwest corner of proper	ty)				
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Eastir	ng	UTM Northing
		,				
Project Phasing (out	line construction, operat	ion and decommission	ning activities) Estimated s	tart of cons	truction - No	vember 2011
Construction -	Construction of access	roads, laydown area p	oreparation, installation of	undergroun	d cabling, co	nstruction of
			ncrete pad for transformer			
	-	-	int, and site restoration of o	disturbed ar	eas. Fencing	and security lighting to
	Construction Duration:		luding accesional alconing	with water	and accasio	tad infrastructura
	waste is produced. Es		luding occasional cleaning	with water,	and assucia	ted initiastructure
			d site restoration of disturb	ed areas, at	fter 30 years	of service

#### 1.2 - Environmental Context

Describe any negative environmental effects that may result from engaging in the project (consider construction, operation and decommissioning activities.)

Environmental effects that may occur from this project include, but are not limited to:

- erosion and sedimentation into adjacent watercourses and natural areas
- removal of some natural vegetation and tree species
- disturbance of local wildlife and some loss of habitat
- noise emissions from transformers and inverters

Propose early avoidance/prevention/mitigation concepts and measures.

- Standard sediment/erosion control measures will be used on site
- Impacts to areas of natural vegetation will be minimized where possible
- No construction to occur within at least 30 m of the high water mark of a watercourse
- A spill clean-up procedure/emergency response plan will be developed for the site by the construction contractor
- Noise studies carried out in order to ensure no impact on receptors; noise barriers will be installed

1.3 - Renew	vable Energy Generat	ion Facility			
Type of Facili	ity / Operation (select all tha	t apply & complete all appropriate section	ns)		
Wind Facility (Land Based) Wind Facility (Off-Shore) Biogas Facility (Anaerobic Digesters) Biomass Facility (Thermal Treatment)		X	Biofuel Facility  Solar Photo Voltaic Facility  Other Describe :  Class (if applicable) :		
Name Plate C	Capacity	Expected Generation		Service Area	Total Area of Site (hectares)
10 MW AC / 10 MVA 14,674,938 kWh in first year			Smith Falls Transmission Station	48	
Provide a de source to ele		s equipment or technology that	will b	e used to convert the renewable e	nergy source or any other energy
Solar <sub>I</sub> detern	•	be installed on the site to conv	ert so	lar energy into electricity. The exa	ct panels to be used remain to be

#### 1.4 - Renewable Energy Generation Activities

distribution level voltages by a series of transformers.

Describe the activities that will be engaged in as part of the renewable energy project

The facility operates 365 days per year when sufficient solar irradiation exists to generate electricity. Typical electricity generation begins shortly after sunrise and stops shortly before sunset. Operation is remotely monitored.

DC electricity generated from the PV panels is converted to AC electricity by an inverter. The inverter steps up electricity to

The facility requires periodic visits for maintenance during the operation phase, such as checking and replacing worn parts, checking electrical connections and cleaning panels.

#### **Section 2 – Supporting Documents**

2.1 - Requirement	Name of Draft documents distributed for consultation	Date available to Municipal or Local Authority Contact
DRAFT Project Description Report	Draft Project Description Report	March 19, 2010
DRAFT Design and Operations Report	Draft Design and Operation Report	April 21, 2011
DRAFT Construction Plan Report	Draft Construction Plan Report	April 21, 2011
DRAFT Decommissioning Plan Report	Draft Decommissioning Plan Report	April 21, 2011
List of other Documents	Draft Natural Heritage Assessment	April 21, 2011
	Draft Water Body Assessment	April 21, 2011
	Draft Executive Summary	April 21, 2011
	Draft Noise Assessment Study	April 21, 2011
	Draft Stage 1-2 Archaeological Assessment Report	April 21, 2011

Location where written draft reports can be obtained for public inspection (physical location for viewing and the applicants project website if one is available):

A copy of the reports will be made available on the applicants website (www.recurrentenergy.ca). Copies will be made available for public inspection within the municipality; this location remains to be determined, but a notification will be provided of the release for public review. A hard copy of the reports will also be provided to the municipality for their review.

#### Section 3 - Applicant Address and Contact Information

3.1 - Applicant Infor	mation (Owner of project/fac	cility)						
Applicant Name (legal na	nme of individual or organization	as evidenced b	y legal documents)			Business Identification	on Number	
RE Smith Falls 1 ULC						1809992		
Business Name (the nam	Business Name (the name under which the entity is operating or trading - also referred to as trade name) X same as Applicant Name							
Civic Address- Street info	ormation (includes street number	r, name, type ar	nd direction)		Unit	ldentifier (i.e. apartmei	nt number)	
0,	LC, 300 California St., 8th F							
Survey Address (Not req	uired if Street Information is prov	vided)						
	within a subdivided township ber and a concession number.		rence: te location within an unsubdi erence plan number indicatin					
Lot Conc. Part Reference Plan								
Municipality	County/District		Province/State	Country		Postal Code		
San Francisco			California	United St	tates	94104		

#### PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

#### Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Local Municipality (inc	clude each local municipality	/ in which project location	is situated)	☐ Yes	□ No
Name of Municipality	Address	Phone	Clerk's Name	Clerk's Phone/Fax	E-Mail Address
	ity (include each upper tier r		1	☐ Yes	
Name of Municipality	Address	Phone	Clerk's name	Clerk's Phone/Fax	E-Mail Address
Withitipality					
Local roads area (incl	lude each local roads area ir	n which project location is	s situated)	☐ Yes	□ No
Name of local	Address	Phone	Secretary-treasurer's	Secretary-treasurer's	E-Mail Address
roads board			Name	Phone/Fax	
Roard Area (include o	l ach board area in which proj	iact location is situated)		☐ Yes	□ No
Name of Local	Address	Phone	Secretary's name	Secretary's	E-Mail Address
Service Board	7 dai 033	THORE	Occidity 3 hame	Phone/Fax	Wall Address
	s	Section 5: Consulta	ation Requirement		
5.1 - Project Location	on				
	the project location with r	respect to infrastructur	e and servicing.		
		•	<u>=</u>		
1 / - 1					
5.2 - Project Roads		seting propos	1 1		
Provide comment on	the proposed project's pl	ans respecting propos	ed road access.		
Identify any issues ar	nd provide recommendati	ons with respect to roa	ad access		
Provide comment on	any proposed Traffic Mai	nagement Plans			
Identify any issues ar	nd provide recommendati	ons with respect to the	e proposed Traffic Manage	ement Plans	

5.3 – Municipal or Local authority Service Connections
Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.
Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.
5.4 – Facility Other
Identify any issues and recommendations with respect to the proposed landscaping design for the facility
Provide comment on the proposed project plans for emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.
Identify any issues and recommendations with respect to any Easements or Restrictive Covenants associated with the Project Location
identity any issues and recommendations with respect to any Lasements of Restrictive Covenants associated with the Project Location
5.5 Project Construction
Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal
or local authority infrastructure that could be damaged during construction.
and the state of t
Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing
drainage, water works and sanitary sewers
Identify any issues and recommendations with respect to the proposed location of buried kiceke and shove grade utility yoults
Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections
Provide comment on the proposed project plans with respect to Building Code permits and licenses.
Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.
Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

#### NOTICE OF FINAL PUBLIC MEETING

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.

Dated at the Township of Rideau Lakes this the 21st of April, 2011 RE Smiths Falls 1 ULC is planning to engage in a renewable energy project

in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format. **Meeting Location:** 

Date: Thursday, June 23, 2011 Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON

**Project Description:** Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location

The Draft Project Description Report titled Project Description Report

is described in the map below.

RE Smiths Falls 1 Solar Project describes the project as a solar electric generating facility that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. A written copy of the Draft Project Description Report was made available for public inspection on May 6, 2010 at www.ontariosolarfuture.ca, and at local municipal office. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on April 21, 2011 at www.ontariosolarfuture.ca, and

#### **Project Contacts and Information:**

To learn more about the project proposal, public meeting, or to communicate concerns please contact:

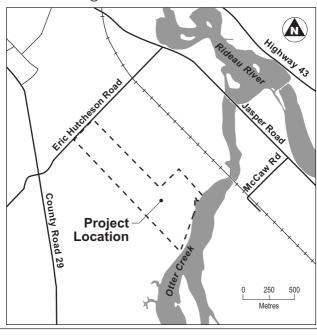
Kimberley Arnold, BSc, MES Manager - Environmental Services,

Renewable Power Hatch Ltd.

at the Township of Rideau Lakes municipal office.

Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7



From: Shepherd, Les [Les.Shepherd@uclg.on.ca]

**Sent:** Tuesday, May 17, 2011 8:42 AM

To: Boucher, Noel

Cc: slaidman@twprideaulakes.on.ca; Todd, Lesley

Subject: RE: RE Smiths Falls 1 Solar Project - Municipal Consultation Form

Attachments: DOC170511.pdf

Noel: Please find attached a scanned image of page 4 of 6 from the Renewable Energy Approval form containing the comments of the United Counties of Leeds and Grenville.

#### Les Shepherd, P.Eng.

Director of Works, Planning Services and Asset Management United Counties of Leeds & Grenville 25 Central Ave. W., Suite 100 Brockville, ON K6V 4N6 W: 613-342-3840 ext. 2412

F: 613-342-3069





From: Boucher, Noel [mailto:NBoucher@Hatch.ca]

**Sent:** May 11, 2011 10:33 AM

To: Shepherd, Les

Cc: slaidman@twprideaulakes.on.ca; Arnold, Kimberley; Bob Leah; Sean Caffyn; 334680; Gibson, Melissa

Subject: RE Smiths Falls 1 Solar Project - Municipal Consultation Form

Hi Les,

As per our conversation yesterday, please find attached the updated Municipal Consultation Form for the RE Smiths Falls 1 Solar Project, being proposed within the Township of Rideau Lakes by RE Smiths Falls 1 ULC.

The Draft REA Reports for the project were sent to Sandy Hay on April 21, 2011 for review to assist in the County's preparation of the Municipal Consultation Form. I have also attached the Notice of Final Public Meeting that was distributed at the same time.

It is my understanding from our conversation that you will be able to review the reports and complete and send back the Municipal Consultation Form with any comments or requirements the County may have regarding this project. It would be much appreciated if this was able to occur prior to the final public meeting on June 23, 2011.

Please do not hesitate to contact me if you have any comments or questions regarding this project. We look forward to receiving the Municipal Consultation Form and any comments you may have.

Best regards, Noel

Noel Boucher

#### Aquatic Biologist

Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, Canada L2E 7J7

Phone: (905) 374-5200

Automated: (905) 374-0701 x5757

Fax: (905) 374-1157 Email: nboucher@hatch.ca

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### PART B: TO BE COMPLETED BY THE MUNICIPALITY OR LOCAL AUTHORITY

#### Section 4 - Municipal or Local Authority Contact Information (check the one that applies)

Name of Municipality	Address	rin which project location Phone	Clerk's Name	Clerk's Phone/Fax	No E-Mail Address
Upper Tier Municipal Name of Municipality いいけどり Conathes OF LEEDS & GREANILL	ity (include each upper tier in Address 25 CENTEM AVE. W SUITE 100 BLOCKVIUL ON lude each local roads area in	nunicipality in which proj Phone (613)3423840	lect location is situated) Clerk's name LESLEY TODD	Clerk's Phone/Fax  FAX (613)342 2101	No E-Mail Address les ley todd a uclg.on.co
Local roads area (inci Name of local roads board	lude each local roads area in Address	which project location is Phone	s situated) Secretary-treasurer's Name	Secretary-treasurer's Phone/Fax	
Board Area (include e Name of Local Service Board	ach board area in which proj Address	iect location is situated) Phone	Secretary's name	Secretary's Phone/Fax	No No E-Mail Address
	S	ection 5: Consult	ation Requirement		
Provide comment on PROTECT IS TO COMNECTS TO COUNTY ROAD	the proposed project's place is a project's place in the proposed project in the proposed project's place in the proposed project in the p	FROM ELIC HI 17 IN THE E TO SPRING L	NTCHISM ROAD ( AST AND COUNTY WAO RESTRACTION	TWP. RIDEAN LAX ROAD 29 IN TO US (MARCH - MAY	which west.
PROTECT IS TO COUNTY ROAD		FROM ELIC HI 17 IN THE E TO SPRING L	NTCHISM ROAD ( AST AND COUNTY WAO RESTRACTION	TWP. RIDEAM LAS ROAD 29 IN TO IS (MARCH - MAY	WHICH THE WEST.
Provide comment on PROVECT IS TO COUNTY ROAD Identify any issues ar	the proposed project's place is a project's place in the proposed project in the proposed project's place in the proposed project in the p	FROM ELIC HA	NTCHISM ROAD ( AST AND COUNTY WAO RESTRACTION	TWP. RIDEAM LAS ROAD 29 IN TO IS (MARCH - MAY	which west.
Provide comment on PROVECT IS TO COUNTY ROAD Identify any issues ar	the proposed project's plant  BE ACCESSED  COUNTY ROAD  17 IS SUBJECT  and provide recommendation	FROM ELIC HA	NTCHISM ROAD ( AST AND COUNTY WAO RESTRACTION	TWP. RIDEAM LAI ROAD 29 IN TO IS (MARCH - MAY	which west.
Provide comment on PROTECT IS TO COUNTY ROAD Identify any issues ar	the proposed project's plant  BE ACCESSED  COUNTY ROAD  17 IS SUBJECT  and provide recommendation	FROM ELIC th  17 IN THE E  TO SPRING L  ons with respect to roa  nagement Plans	NTCHISM ROAD ( AST AND COUNTY WAO RESTRACTION ad access		which west.

#### 57 Eric Hutcheson Road – Smiths Falls 1 Solar Project (Recurrent Energy)

Completed by: Sheldon Laidman, Manager of Development Services

The Township of Rideau Lakes has reviewed this project and its Council has adopted a resolution with expected conditions of the project. A copy of these conditions is attached at the bottom of this document and forms the basis of the Township's comments about this project.

#### Section 5: Consultation Requirement 5.1 - Project Location

Provide comment on the project location with respect to infrastructure and servicing.

See resolution adopted by township Council. The Township expects that an agreement will be entered into with the company prior to an Entrance Permit being granted to the Township road (McCann Road) to cover the full cost of impacts to the Township road infrastructure.

#### 5.2 - Project Roads

Provide comment on the proposed project's plans respecting proposed road access.

See resolution adopted by township Council. The Township expects that an agreement will be entered into with the company prior to an Entrance Permit being granted to the Township road (Eric Hutcheson Road) to cover the full cost of impacts to the Township road infrastructure. Eric Hutcheson Road is a basic municipal road not meant to withstand an 8 month construction project with thousands of large truck trips. The Township expects as part of the Agreement to be fully reimbursed to impacts on the Township road network. This Agreement shall also include details about entrance size and location and construction management requirements.

Identify any issues and provide recommendations with respect to road access **See above.** 

Provide comment on any proposed Traffic Management Plans

#### See above.

Identify any issues and provide recommendations with respect to the proposed Traffic Management Plans **See above** 

#### 5.3 - Municipal or Local authority Service Connections

Provide comment on the proposed project plans related to the location of and type of municipal service connections, other than roads.

#### n/a

Identify any issues and provide recommendations with respect to the type of municipal service connections, other than roads.

#### n/a

#### 5.4 - Facility Other

Identify any issues and recommendations with respect to the proposed landscaping design for the facility See attached resolution of Council. No detailed landscaped plan has been submitted. The Township expects that a detailed landscaping plan will be submitted identifying how the property will be buffered from view of the Township road and adjacent residential properties. The north side of this road across from the project includes numerous suburban style residential houses which the Township expects will be negatively impacted from this industrial style project without adequate landscaping to buffer the view of the parking lot, buildings, and panels from these houses.

Provide comment on the proposed project plans for emergency management procedures / safety protocols. See attached resolution of Council. The Township expects that all internal access roads will be constructed to the satisfaction of the Fire Chief with regards to its construction standards for access, turning radii, width, etc.

Identify any issues and recommendations with respect to the proposed emergency management procedures / safety protocols.

#### See above.

Identify any issues and recommendations with respect to any Easements or Restrictive Covenants

associated with the Project Location

n/a

#### 5.5 Project Construction

Identify any issues and recommendations with respect to the proposed rehabilitation of any temporary disturbance areas and any municipal or local authority infrastructure that could be damaged during construction.

#### See comments regarding road impacts.

Identify any issues and recommendations with respect to the proposed location of fire hydrants and connections to existing drainage, water works and sanitary sewers

See attached resolution of Council. The Township expects that all adjacent and nearby wells will be evaluated prior to construction and that monitoring will be required during construction to ensure that wells are not contaminated from the drilling and construction.

Identify any issues and recommendations with respect to the proposed location of buried kiosks and above-grade utility vaults

Identify any issues and recommendations with respect to the proposed location of existing and proposed gas and electricity lines and connections

See attached resolution of Council. The Township expects that the hydro connection line to the road will be buried to reduce the visual impact of the project.

Provide comment on the proposed project plans with respect to Building Code permits and licenses.

The Township expects that all structures will receive building permits as required under the Ontario Building Code and that payments will be submitted for any fees associated with other Acts such as the Development Charges Act as may be required by Township Bylaw.

Identify any issues and recommendations related to the identification of any significant natural features and water bodies within the municipality or territory.

The Township expects that all construction will respect the 120m setback from wetlands and the 30m municipal zoning setback from all water courses. The Township is particularly concerned about drainage and run off impacts into the Otter Creek wetland from such a large scale construction project.

Identify any issues and recommendations related to the identification any archaeological resource or heritage resource.

n/a

## Township of Rideau Lakes adopted resolution and recommended conditions of approval:

That the Council of the Corporation of the Township of Rideau Lakes hereby directs that the municipal consultation form be submitted to the Province with the following expectations and comments:

- 1. That the property has been designated in the Township Official Plan as prime agricultural land where development is not permitted. The Township requests that the Province confirm that this is not prime agricultural land as defined by Section 2.3 of the PPS where this Section further states that permitted uses are to only be agricultural uses and agricultural related uses.
- 2. That the project shall not negatively impact the Township of Rideau Lakes' adjacent road network. That prior to construction an entrance agreement will be required to be entered into with the Township of Rideau Lakes which will include provisions for traffic management, repairs and maintenance to Eric Hutcheson Road, and road access location.
- 3. That all temporary parking areas established for construction employees shall be returned to their original condition.
- 4. That full spectrum baseline water testing of adjacent wells be conducted prior to construction commencing. For the purposes of this condition, adjacent wells would be defined as all wells within 300m of the subject property.

- 5. That a landscaping plan be submitted for Township review. The landscaping plan is expected to include provisions to buffer the facility from views from the adjacent Township road and the adjacent dwellings. At a minimum, the existing vegetation along the periphery of the subject property should be maintained.
- 6. That it is expected that drilling and construction will be conducted as per the Township's Noise Bylaw.
- 7. That all internal roads shall be constructed to a standard acceptable to the Fire Chief. At a minimum the roads shall be constructed with adequate material to withstand the weight of the Township's heaviest fire truck, constructed to allow for the turning radii of the largest fire truck, and allow for the proper turnaround of fire vehicles on site.
- **8.** That the 44kw line extending from the substation to hydro lines along Eric Hutcheson Road be buried to reduce the visual impact to the neighbouring properties across the road.
- 9. That a drainage plan shall be provided to the Township and reviewed by the RVCA to ensure that drainage is properly attenuated and will not impact the Otter Creek Wetland or the water quality of Otter Creek.



# **Appendix H List of Aboriginal Communities From MOE**

#### Ministry of the Environment

Environmental Assessment and Approvals Branch

2 St. Clair Avenue West Floor 12A

Toronto ON M4V 1L5 Tel.: 416 314-8001 Fax: 416 314-8452

#### Ministère de l'Environnement

Direction des évaluations et des autorisations environnementales

2, avenue St. Clair Ouest Étage 12A Toronto ON M4V 1L5 Tél.: 416 314-8001 Téléc.: 416 314-8452



July 5, 2010

MOE File #: ER-10-SF-0029

Mr. Sheldon Kimber Recurrent Energy 300 California Street, 8<sup>th</sup> Floor San Francisco, CA, 94104

Dear Mr. Kimber:

#### RE: Director's Aboriginal Communities List - Smith Falls Solar Project Sites 1 and 6

The Ontario Ministry of Environment has reviewed the information provided in the draft of the Project Description Report (PDR) received for the Smith Falls Solar Project Sites 1 and 6. We have reviewed the anticipated negative environmental effects of the project (as described in the PDR) relative to our current understanding of the interests of aboriginal communities in the area.

In accordance with section 14 of the Renewable Energy Approval Regulation (O.Reg. 359/09), please find below the list of Aboriginal Communities that:

- i) have or may have constitutionally protected aboriginal or treaty rights that may be adversely impacted by the project; or
- ii) otherwise may be interested in any negative environmental effects of the project. (O. Reg 359/09 s14(b)(i) and (ii))

## Aboriginal Community Common Name

Reserve Name

**Contact Information** 

The Algonquins of Ontario Consultation Office 31 Riverside Drive, Suite 101

Pembroke ON K8A 1N5

Alderville First Nation

Mississaugas of Alderville

Alderville First Nation

PO Box 46

Roseneath ON K0K 2X0

Phone (905) 352-2011

Fax (905) 352-3242

Ottawa Regional Métis Council Robert Pellerin, President

1938 Ranchwood Wav

Ottawa ON K1C 7K7

Phone (613) 263-5059

pellerin12@hotmail.com

Métis Nation of Ontario

**Consultation Unit** 

500 Old St. Patrick St, Unit 3

Ottawa ON K1N 9G4

None of the foregoing should be taken to imply approval of this project or the contents of the draft of the *Project Description Report*. This response only addresses the requirement of the Director to provide a list of aboriginal commuities to you as required in s. 14 of *O. Reg.* 359/09. You should also be aware that information upon which the above comments are based is subject to change. Aborginal communities can make assertions at any time, and other developments, for example the discovery of Aboriginal archaeological resources, can occur that might require additional communities to be notified. Should this happen, the ministry will contact you. Similarly, if you recieve any feedback from any aboriginal communities not included in this list as part of your public consultation, we would appreciate being notified.

Please contact Narren Santos at (416) 314-8442 should you have any questions or require additional information.

Sincerely,

Doris Dumais

Director

**Environmental Assessment Approvals Branch** 

Ministry of Environment

cc: Mansoor Mahmood, Renewable Energy Team, Ministry of the Environment Joe de Laronde, Abonginal Affairs Branch, Ministry of the Environment



# **Appendix I List of Aboriginal Communities From Hatch**

Algonquins of Ontario Consultation Office 31 Riverside Drive, Suite 101 Pembroke, Ontario K8A 8R6

Chief R. Donald Maracle and Council Mohawks of the Bay of Quinte RR #1 Deseronto, Ontario K0K 1X0

Mohawk Council of Akwesasne P.O. Box 579 Cornwall, Ontario K6H 5T3

Chief Kirby Whiteduck and Council Algonquins of Pikwakanagan P.O. Box 100 Golden Lake, Ontario KOJ 1XO



# **Appendix J Letters to Aboriginal Communities**





Algonquins of Ontario Consultation Office 31 Riverside Drive, Suite 101 Pembroke, Ontario K8A 8R6

**Subject:** Notice of a Proposal and Notice of Public Meeting

**Recurrent Energy - Solar Project: RE Smiths Falls 1** 

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

In accordance with Section 15 of O. Reg. 359/09, a Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting has been prepared and a copy is enclosed.

We respectfully request that your community provide (in writing) any information available to the community that, in its opinion, should be considered in the environmental assessment, and in particular, any information the community may have regarding adverse impacts that this project may have on constitutionally protected aboriginal or treaty rights as well as any measures for mitigating those adverse impacts.

As per Section 17 (1) of O. Reg. 359/09, draft Project Description Reports and summaries of the documentation to be submitted as part of the REA application will be forthcoming for your information. Further information about this project and about Recurrent Energy can be found online at <a href="https://www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>.

Your comments, queries or information relevant to the proposed project would be greatly appreciated.

Correspondence should be directed to:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power Hatch Ltd. 4342 Oueen St., Suite 500

Niagara Falls, ON, L2E 7J7 Phone: 905-374-0701, Ext 5318

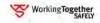
Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca.

Yours truly,

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

Attachment - Notice of PIC Smiths Falls 1 and 6







Chief R. Donald Maracle and Council Mohawks of the Bay of Quinte RR #1 Deseronto, Ontario K0K 1X0

**Subject:** Notice of a Proposal and Notice of Public Meeting

**Recurrent Energy - Solar Project: RE Smiths Falls 1** 

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

In accordance with Section 15 of O. Reg. 359/09, a Notice of a Proposal by Recurrent Energy to engage in a Renewable Energy Project and Notice of Public Meeting has been prepared and a copy is enclosed.

We respectfully request that your community provide (in writing) any information available to the community that, in its opinion, should be considered in the environmental assessment, and in particular, any information the community may have regarding adverse impacts that this project may have on constitutionally protected aboriginal or treaty rights as well as any measures for mitigating those adverse impacts.

As per Section 17 (1) of O. Reg. 359/09, draft Project Description Reports and summaries of the documentation to be submitted as part of the REA application will be forthcoming for your information. Further information about this project and about Recurrent Energy can be found online at <a href="https://www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>.

Your comments, queries or information relevant to the proposed project would be greatly appreciated.

Correspondence should be directed to:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power Hatch Ltd. 4342 Queen St., Suite 500

Niagara Falls, ON, L2E 7J7 Phone: 905-374-0701, Ext 5318

Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca.

Yours truly,



Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power KA:srg

Attachment - Notice of PIC Smiths Falls 1 and 6







Chief Kirby Whiteduck and Council Algonquins of Pikwakanagan P.O. Box 100 Golden Lake, Ontario KOJ 1X0

**Subject:** Notice of a Proposal and Notice of Public Meeting

**Recurrent Energy - Solar Project: RE Smiths Falls 1** 

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

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Yours truly,



Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power KA:srg

Attachment - Notice of PIC Smiths Falls 1 and 6







Mohawk Council of Akwesasne P.O. Box 579 Cornwall, Ontario K6H 5T3

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Yours truly,

**A**.

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

Attachment - Notice of PIC Smiths Falls 1 and 6



# **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two Renewable Energy Projects

# AND NOTICE OF PUBLIC MEETING

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Smiths Falls.

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Project Name: RE Smiths Falls 6
Project Applicant: RE Smiths Falls 6 ULC

Project Location: The project is located on Kitley South Elmsley Townline

Road, southeast of Smiths Falls.

Dated at the Township of Rideau Lakes this the 6th of May, 2010

Recurrent Energy is planning to engage in two renewable energy projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these projects and the projects themselves are subject to the provisions of the *Environmental Protection Act (ACT)* Part V.O.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment

### Meeting Location:

Date: Thursday, June 10, 2010 Time: 6:00pm to 9:00 pm

Place: South Elmsley Municipal Complex, 441 Highway 15, Rideau Lakes

#### **Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project locations are described in the maps to the right.

The Draft Project Description Reports titled *Project Description Report RE Smiths Falls 1 Solar Project*, and *Project Description Report RE Smiths Falls 6 Solar Project* described the projects as solar electric generating facilities that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. Written copies of the Draft Project Description Reports are being made available for public inspection on at www.ontariosolarfuture.ca, and at local municipal offices.

#### **Project Contacts and Information:**

To learn more about the project proposals, public meetings, or to communicate concerns please contact:

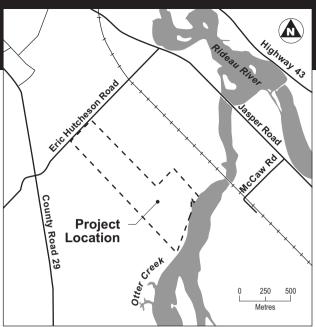
Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power Hatch I td.

4342 Queen Street, Suite 500, Niagara Falls, ON, L2E 7J7 Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157

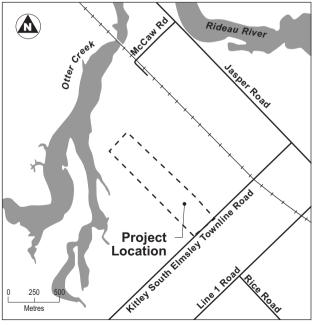
Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca



Project Name: RE Smiths Falls 1

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.



Project Name: RE Smiths Falls 6

**Project Location:** The project is located on Kitley South Elmsley Townline Road, southeast of Smiths Falls.

# **NOTICE OF A PROPOSAL**

By Recurrent Energy to Engage in Two Renewable Energy Projects

# **AND NOTICE OF PUBLIC MEETING**

Project Name: RE Smiths Falls 1
Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of

Smiths Falls.

Dated at the Township of Rideau Lakes this the 19th of August, 2010

Project Name: RE Smiths Falls 6
Project Applicant: RE Smiths Falls 6 ULC

Project Location: The project is located on Kitley South Elmsley Townline

Road, southeast of Smiths Falls.

Dated at the Township of Rideau Lakes this the 19th of August, 2010

Recurrent Energy is planning to engage in two renewable energy projects in respect of which the issuance of a renewable energy approval is required. The proposal to engage in these projects and the projects themselves are subject to the provisions of the *Environmental Protection Act (ACT)* Part V.O.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

**Meeting Location:** 

Date: Wednesday, September 22, 2010

Time: 6:00 pm to 8:00 pm

Place: South Elmsley Municipal Complex, 441 Highway 15, Rideau Lakes

### **Project Description:**

Pursuant to the Act and Regulation, the facilities, in respect of which these projects are to be engaged in, are Class 3 Solar Facilities. If approved, these facilities would each have a total maximum name plate capacity of 10 MW. The project locations are described in the maps to the right.

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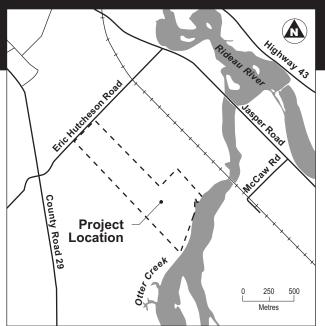
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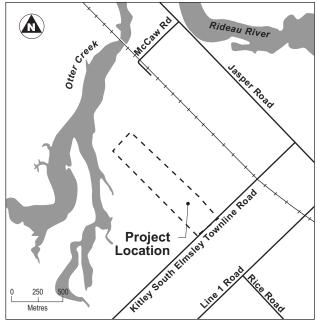
Email: karnold@hatch.ca

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Project Name: RE Smiths Falls 1

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.



Project Name: RE Smiths Falls 6

Project Location: The project is located on Kitley South Elmsley Townline Road, southeast

of Smiths Falls.





August 19, 2010

To Whom It May Concern: Metis Nation of Ontario, Consultation Unit 500 Old St. Patrick Street, Unit 3 Ottawa, On K1N 9G4

To Whom It May Concern:

Subject: Notice of a Proposal and Notice of Public Meeting Recurrent Energy - Solar Project: RE Smiths Falls 1

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

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Phone: 905-374-0701, Ext 5318

Fax: 905-374-1157 Email: karnold@hatch.ca





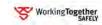
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Yours truly,



Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power KA:mg Attachment – Notice of PIC Smiths Falls 1 and 6

cc: David Brochu, Recurrent Energy Sean Caffyn, Recurrent Energy Bob Leah, Recurrent Energy





August 19, 2010

Robert Pellerin, President Ottawa Regional Métis Council 1938 Ranchwood Way Ottawa, On K1C 7K7

Dear Mr. Pellerin,

**Subject:** Notice of a Proposal and Notice of Public Meeting

**Recurrent Energy - Solar Project: RE Smiths Falls 1** 

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

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Yours truly,







Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power KA:mg Attachment – Notice of PIC Smiths Falls 1 and 6

cc: David Brochu, Recurrent Energy Sean Caffyn, Recurrent Energy Bob Leah, Recurrent Energy





August 19, 2010

Chief James Marsden and Council Alderville First Nation PO Box 46 Roseneath, On KOK 2X0

Dear Mr Marsden and Council,

Subject: Notice of a Proposal and Notice of Public Meeting Recurrent Energy - Solar Project: RE Smiths Falls 1

Recurrent Energy is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. Recurrent Energy has retained Hatch Ltd. to undertake the REA process.

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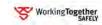
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cc: David Brochu, Recurrent Energy Sean Caffyn, Recurrent Energy Bob Leah, Recurrent Energy







Algonquins of Ontario Consultation Office 31 Riverside Drive, Suite 101 Pembroke, ON K8A 8R6

Subject:

Notice of Final Public Meeting and Documents for Review RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

RE Smiths Falls 1 ULC is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. RE Smiths Falls 1 ULC has retained Hatch Ltd. to undertake the REA process.

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Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power

KA:mg Attachment s







Notice of Final Public Meeting – RE Smiths Falls 1
Draft Project Description Report – RE Smiths Falls 1
Draft Construction Plan Report – RE Smiths Falls 1
Draft Design and Operations Report – RE Smiths Falls 1
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Draft Natural Heritage Assessment Reports – RE Smiths Falls 1
Draft Water Body Assessment Reports – RE Smiths Falls 1
Draft Noise Assessment Report – RE Smiths Falls 1
Draft Executive Summary – RE Smiths Falls 1





Chief R. Donald Maracle and Council Mohawks of the Bay of Quinte Administration Building 13 Old York Road Tyendinaga Mohawk Territory, ON KOK 1X0

Subject:

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Notice of Final Public Meeting – RE Smiths Falls 1
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Draft Executive Summary – RE Smiths Falls 1





Chief Kirby Whiteduck and Council Algonquins of Pikwakanagan 1657A Mishomis Inamo Pikwakanagan Golden Lake, ON KOJ 1XO

Subject:

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Draft Executive Summary – RE Smiths Falls 1





Mohawk Council of Akwesasne (Purolator)
Chief and Council
Purolator Depot
725 Boundary Road
Cornwall, ON K6H 6K8

Subject:

Notice of Final Public Meeting and Documents for Review RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

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Draft Noise Assessment Report – RE Smiths Falls 1
Draft Report – RE Smiths Falls 1
Draft Executive Summary – RE Smiths Falls 1





Chief James Marsden and Council Alderville First Nation Alderville Band Office 11696 2nd Line Road Alderville, ON KOK 2X0

Subject: Notice of Final Public Meeting and Documents for Review

RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

RE Smiths Falls 1 ULC is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. RE Smiths Falls 1 ULC has retained Hatch Ltd. to undertake the REA process.

In accordance with Section 15 of O. Reg. 359/09, a Notice of Public Meeting has been prepared and a copy is enclosed. The Notice will be posted in the Smiths Falls EMC on April 21, 2011 and again on May 19, 2011.

As per Section 17 (1) of O. Reg. 359/09, a draft copy of the Project Description Report, summaries of each of the supporting documents required under the REA Regulation and a copy of each of the supporting documents for each of the Projects is enclosed for your review. These reports and information about the proposed Project can also be found on-line at <a href="www.ontariosolarfuture.ca">www.ontariosolarfuture.ca</a>. The information provided in these reports will be discussed during the Final Public Meeting on Thursday, June 23, 2011 at the Lombardy Agricultural Society Hall, 6 Kelly Road, Township of Rideau Lakes, Ontario.

We respectfully request that your community provide (in writing) any information available to the community that, in its opinion, should be considered in the environmental assessment, and in particular, any information the community may have regarding adverse impacts that this project may have on constitutionally protected aboriginal or treaty rights as well as any measures for mitigating those adverse impacts.

Your comments, queries or information relevant to the proposed project would be greatly appreciated.

Correspondence should be directed to:

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power Hatch Ltd. 4342 Queen St., Suite 500 Niagara Falls, ON, L2E 7J7

Phone: 905-374-0701, Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

Information is also available online at www.ontariosolarfuture.ca.

Yours truly,

Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power

KA:mg Attachment s







Notice of Final Public Meeting – RE Smiths Falls 1
Draft Project Description Report – RE Smiths Falls 1
Draft Construction Plan Report – RE Smiths Falls 1
Draft Design and Operations Report – RE Smiths Falls 1
Draft Decommissioning Plan Report – RE Smiths Falls 1
Stage 1 and 2 Archaeological Assessment Report – RE Smiths Falls 1
Draft Natural Heritage Assessment Reports – RE Smiths Falls 1
Draft Water Body Assessment Reports – RE Smiths Falls 1
Draft Noise Assessment Report – RE Smiths Falls 1
Draft Report – RE Smiths Falls 1
Draft Executive Summary – RE Smiths Falls 1





Robert Pellerin, President Ottawa Regional Métis Council 1938 Ranchwood Way Ottawa, ON K1C 7K7

Subject:

Notice of Final Public Meeting and Documents for Review RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

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Yours truly,

Kimberley Arnold, BSc, MES

Manager - Environmental Services, Renewable Power

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Metis Nation of Ontario, Consultation Unit 500 Old St. Patrick Street, Unit D Ottawa, ON K1N 9G4

Subject:

Notice of Final Public Meeting and Documents for Review

RE Smiths Falls 1 ULC - Solar Project: RE Smiths Falls 1

To Whom It May Concern:

RE Smiths Falls 1 ULC is proposing to construct a solar project within the vicinity of your community. RE Smiths Falls 1 will have an installed capacity of 10 MW and will be located in the Township of Rideau Lakes. This project requires a Renewable Energy Approval (REA) which is subject to the provisions of the *Environmental Protection Act* Part V.0.1 and Ontario Regulation 359/09. RE Smiths Falls 1 ULC has retained Hatch Ltd. to undertake the REA process.

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Yours truly,

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Kimberley Arnold, BSc, MES Manager - Environmental Services, Renewable Power KA:mg





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# NOTICE OF FINAL PUBLIC MEETING

to be held by RE Smiths Falls 1 ULC Regarding a Proposal to Engage in a Renewable Energy Project

Project Name: RE Smiths Falls 1

Project Applicant: RE Smiths Falls 1 ULC

Project Location: The project is located on Eric Hutcheson Road, south of Smiths Falls.

Dated at the Township of Rideau Lakes this the 21st of April, 2011 RE Smiths Falls 1 ULC is planning to engage in a renewable energy project

in respect of which the issuance of a renewable energy approval is required. The proposal to engage in the project and the project itself is subject to the provisions of the Environmental Protection Act (Act) Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of Environment.

This Final Public Meeting is being held to provide information on the proposed project. The Public Meeting will be an open house format. **Meeting Location:** 

Date: Thursday, June 23, 2011 Time: 6:00 pm to 9:00 pm

Place: Lombardy Agricultural Society Hall, 6 Kelly Road, Lombardy, ON

**Project Description:** Pursuant to the Act and Regulation, the facility, in respect of which this project is to be engaged in, is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 10 MW. The project location

The Draft Project Description Report titled Project Description Report

is described in the map below.

RE Smiths Falls 1 Solar Project describes the project as a solar electric generating facility that will utilize photovoltaic (PV) panels installed on fixed racking structures. DC electricity generated from the PV panels is converted to AC electricity by an inverter. The voltage level of the AC electricity produced by the inverter is stepped-up to distribution level voltages by a series of transformers. A written copy of the Draft Project Description Report was made available for public inspection on May 6, 2010 at www.ontariosolarfuture.ca, and at local municipal office. Further, the applicant has prepared supporting documents as per Ontario Regulation 359/09.

Written copies of the draft supporting documents will also be made available for the public inspection on April 21, 2011 at www.ontariosolarfuture.ca, and

## **Project Contacts and Information:**

To learn more about the project proposal, public meeting, or to communicate concerns please contact:

Kimberley Arnold, BSc, MES Manager - Environmental Services,

Renewable Power Hatch Ltd.

at the Township of Rideau Lakes municipal office.

Tel: 905-374-0701 Ext 5318 Fax: 905-374-1157 Email: karnold@hatch.ca

4342 Queen St. Suite 500, Niagara Falls, ON, L2E 7J7

