KINGSTON SOLAR LP
Sol-Luce Kingston Solar PV Energy Project
MODIFICATIONS DOCUMENT

Prepared by Dillon Consulting

DECEMBER 13, 2013

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1. Introduction

Kingston Solar LP is proposing to develop a 100-megawatt (MWac) ground-mount solar photovoltaic (PV) project to be known as the Sol-Luce Kingston Solar PV Energy Project. The proposed project is generally bounded by Highway 38 to the east, Mud Lake Road/County Road 19 to the west, Quabbin Road to the north, and Highway 401 to the south. The proposed project falls within two municipalities; the City of Kingston to the east and Loyalist Township to the west. A Renewable Energy Approval (REA) application was submitted for this project on September 18, 2012 and received the 'deemed complete' status by the Ministry of Environment (MOE) on February 12, 2013. The project was undergoing technical review by the Ministry of the Environment (MOE) when the clock was stopped to accommodate a Major Design Change and technical changes to the project.

Through correspondence with the MOE on September 24, 2013 and subsequently on November 15 2013, the proposed project amendments constitute a "Major Design Change" and "Technical Change" to the project. This Modifications Document outlines the proposed amendments and includes discussion on the rationale for the changes, as well as any potential environmental effects not previously considered as part of the original REA application. This document also outlines the changes to be made to the core REA reports (i.e., *Project Description Report, Construction Plan Report, Design and Operations Report* and *Decommissioning Plan Report*). Addenda to other REA documents will be provided in detail as separate appendices. This includes addenda to the *Natural Heritage Assessment, Water Assessment and Water Body Report, Cultural Heritage Assessment, and Stage 1 & 2 Archaeological Assessment Report.* A complete revision of the *Noise Study Report* is also appended.

2. Proponent Contact Information

Kingston Solar LP is coordinating and managing the approvals process for the Sol-Luce Kingston Solar PV Energy Project. Contact information for Kingston Solar LP is as follows:

Full Name of Company:	*Kingston Solar LP*
Address:	*55 Standish Court, 9th Floor, Mississauga, ON, L5R 4B2*
Telephone:	*(905) 501-5658*
	1-(855) 359-2342
Prime Contact:	*A. José De Armas*
Project Website:	*www.samsungrenewableenergy.ca/kingston*
Email:	*solucekingston@samsungrenewableenergy.ca*

3. Overview of the Major Design Change

In May 2012, the City of Kingston released a document entitled "Landscaping and Site Design Guidelines for Large-Scale, Ground-Oriented Solar Energy Facilities", which outlined their standards with respect to mitigating visual impacts from proposed solar facilities. On September 11 2013, Kingston Solar LP met with Loyalist Township's representatives to provide a project update, and informed the municipality about Kingston Solar LP's initiative to undergo an REA amendment. During the meeting both parties agreed that the same setback guidelines requested by the City of Kingston must be implemented on the participating properties located under Loyalist Township's jurisdiction. Due to the setback requirements requested by the municipalities, Kingston Solar LP is proposing to reallocate a number of project related components to new lands and implement the requested setbacks across the balance of the project location. The project location was adjusted by eliminating some of the existing lands and adding new lands as indicated in Figure 1 and 2.

Ontario Regulation 359/09 provides reporting and consultation requirements with respect to the submission of a REA application. It should be noted that the Proposal to Engage for this project was issued between January 1, 2011 and July 1, 2012, and as such, Kingston Solar LP is permitted to continue under the 2011 pre-submission rules. For clarity, this report fulfils the requirements of *Ontario Regulation 359/09* as was in force between July 1, 2012 and November 1, 2012.

Since the proposed project is being amended during the MOE technical review period, the requirements for fulfillment of the amendment have been established through correspondence with MOE staff and by referring to the *Technical Guide to Renewable Energy Approvals* released by the MOE in 2013, with specific adherence to "*Chapter 10: Making Changes to Renewable Energy Approval (REA) Projects*".

After reviewing the proposed amendments to the project, on September 27, 2013, the MOE confirmed that this Modifications Document should include the following:

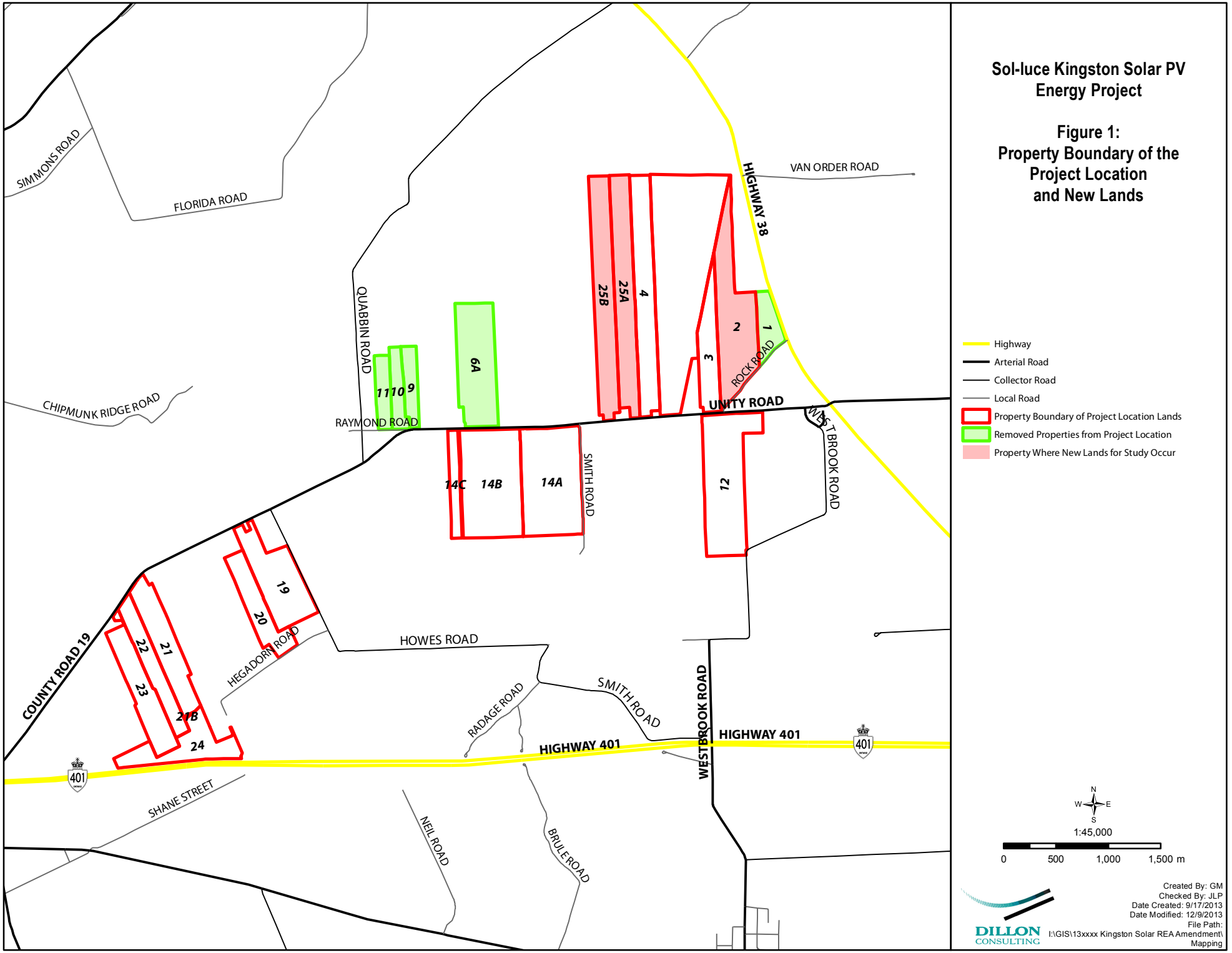
- A summary of the proposed changes (Table 1);
- A list of each report and study submitted with the initial REA application and a description of amendments to each (Table 2);

- Identification and a summary of those documents that are now required with respect to the proposed changes that were not part of the original REA application (Table 3);
- A copy of the original and revised site plan (Appendix A); and
- Written confirmation from the Ministry of Natural Resources (MNR) and Ministry of Tourism, Culture and Sport (MTCS) regarding the project changes (Appendix B).

As part of the proposed amendments to the project, the MOE also requested that a public meeting regarding the project changes be held followed by an Addendum to the *Consultation Report*. The public meeting is anticipated to be held in January 2014.

3.1 Operational Flexibility

As part of this REA Amendment, Kingston Solar LP is requesting to pre-approve changes that may be made to the Sol-luce Kingston Solar PV Energy Project at the time of detailed design. These changes include, but are not limited to general modifications to the site plan that result in a decrease in the project location size. Adjustments to the inverter units, substation, panel layout, racking design, access roads, laydown area(s) and the communication tower may occur. In all cases where an operational or technical change is necessary, the project will remain within the bounds of the approved project location boundary and commitments made in the various technical reports and applicable addenda adhered to. During operations, routine modifications to the facility may be implemented (e.g., repaving of entrance, repairs to fencing, etc.) provided their effects are environmentally insignificant and do not exceed the boundaries of the project location.


Sol-luce Kingston Solar PV Energy Project
Figure 1: Property Boundary of the Project Location and New Lands
SIMMONS ROAD
FLORIDA ROAD
VAN ORDER ROAD
HIGHWAY 38
QUABBIN ROAD
CHIPMUNK RIDGE ROAD
RAYMOND ROAD
UNITY ROAD
ROCK ROAD
WESTBROOK ROAD
SMITH ROAD
HOWES ROAD
HEGADORN ROAD
COUNTY ROAD 19
RADAGE ROAD
HIGHWAY 401
SHANE STREET
NEIL ROAD
BRULE ROAD
9
11
10
6A
25B
25A
4
3
2
1
14C
14B
14A
12
19
20
21
22
23
24
27B
Highway
Arterial Road
Collector Road
Local Road
Property Boundary of Project Location Lands
Removed Properties from Project Location
Property Where New Lands for Study Occur
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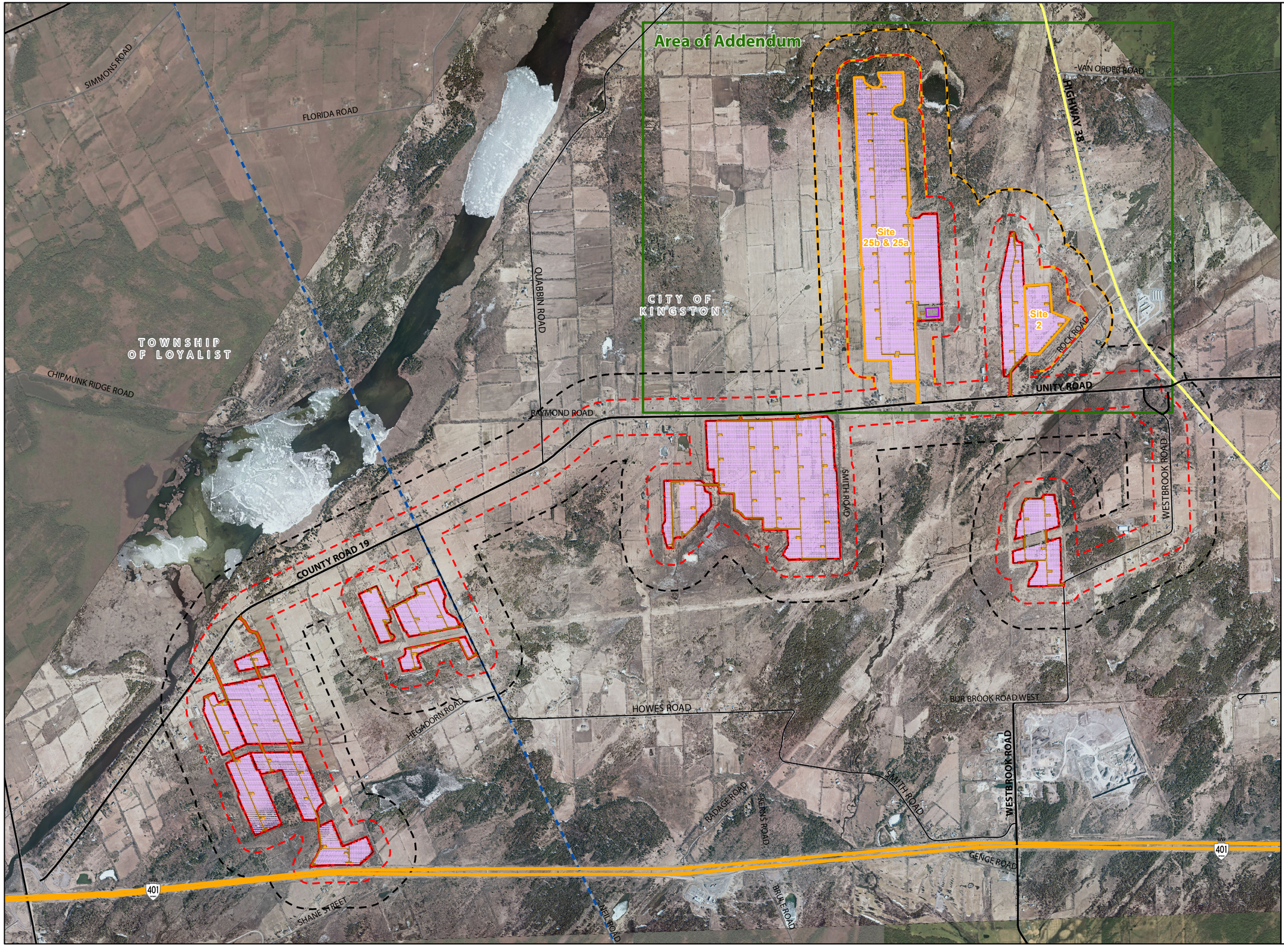
Sol-luce Kingston Solar PV Energy Project

Figure 2
Project Location

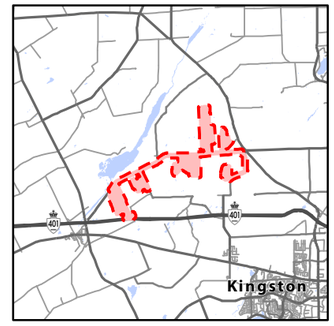


Legend

- Freeway
- Expressway / Highway
- Arterial Road
- Collector Road
- Local Road
- Project Location
- Amended Project Location
- 120 m Project Location Setback
- 300 m Project Location Setback
- 120 m Amended Project Location Setback
- 300 m Amended Project Location Setback
- Municipal Boundary

Project Components

- Solar Panels
- Inverters
- Access Road
- Fence
- Substation



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4. Overview of Technical Changes

In addition to the proposed changes to the project location lands described in Section 3.0 and depicted on Figure 1, Kingston Solar LP is proposing the following technical changes to the application:

Table 1: Summary of Proposed Technical Changes

Proposed Change	Rationale	Potential for Environmental Effects
Increase in the number of panels due to reallocation of project components to remote areas within the new properties.	The original REA documents indicated the facility would require approximately 426,000 panels. At this time, we expect an increase in the number of panels to approximately 450,000 panels. This increase is due to the significant reallocation of project components to remote areas within the new properties.	There are no additional environmental effects anticipated as a result of the change in the number of panels. Environmental effects with the potential to occur due to the panels being located on new lands are described in Section 5.0.
Change in the specification of the Medium Voltage Power Platforms (MVPPs).	The original REA documents indicated that a Sunny Central HE-500CA MVPP with a SC1000MVS-CA skid model would be used. At this time, a SMA 800CP-US inverter inside a Canadian Solar Medium Voltage (MV) station or equivalent will be used.	Environmental effects with the potential to occur due to the change in the manufacturer of the MVPPs are discussed in Section 5.0. This change also caused a full revision of the *Noise Study Report* (NSR) to be required. Revisions to the NSR are overviewed in Section 5.6.
Reduction in the number of MVPPs.	The updated MVPP model and locations optimize the project layout and increase the efficiency of the facility.	Although the number of MVPPs has changed, they will be compliant with the MOE noise requirements. Revisions to the NSR are overviewed in Section 5.6.

Proposed Change	Rationale	Potential for Environmental Effects
Relocation of MVPPs.	To optimize the layout and increase efficiency of the facility and to accommodate the relocation of project components to new lands.	Although the locations of MVPPs have changed, they will be compliant with the MOE noise requirements. Revisions to the NSR are overviewed in Section 5.6. Environmental effects with the potential to occur due to MVPPs being located on new lands are described in Section 5.0.

5. Addenda to the Original REA Submission Package

5.1 Project Description Report

The purpose of the *Project Description Report* (PDR) is to provide an overview of the project. This includes the proposed location of the project, authorizations and permits that may be required in addition to the REA approval, and a summary of the construction, operations and decommissioning phases of the project. Revisions to the PDR text due to the proposed project amendments are outlined in Table 2.

5.2 Construction Plan Report

The *Construction Plan Report* (CPR) summarizes all potential negative environmental effects that have the potential to occur during the construction phase of the project. The CPR includes a description of construction activities, their general order, as well as what materials and equipment will travel to and from the project location during construction of the facility. Revisions to the CPR text due to the proposed project amendments are outlined in Table 2.

5.3 Design and Operations Report

The *Design and Operations Report* (DOR) builds on the PDR and provides more detail on the layout of the facility, including the conceptual placement of project components. Components may include solar panels, transmission lines, communications tower, inverter stations, access roads and the location of the substation transformer. Revisions to the DOR text due to the proposed project amendments are outlined in Table 2.

5.4 Decommissioning Plan Report

The *Decommissioning Plan Report* (DPR) provides a proponent's plan to restore the facility lands at the end of the life of the project, or in the event that the project is abandoned and requires decommissioning during the construction phase. Although proponents may not be able to predict how the facility will be decommissioned, the DPR outlines how materials will be dismantled and how any wastes will be removed from the project location. The DPR also discusses any reclamation activities that would be needed to restore the land to its anticipated future condition. The DPR is usually updated at the request of the MOE Director six months prior to the anticipated start of decommissioning. There are no text changes required to the *Decommissioning Plan Report* as a result of the proposed technical changes to the project; however the figures require updating to be consistent with the major design change and revised component layout.

5.5 Natural Heritage Assessment

The *Natural Heritage Assessment* (NHA) is comprised of four reports:

I. Records Review Report,
II. Site Investigation Report,
III. Evaluation of Significance Report, and
IV. Environmental Impact Study Report.

As part of the original REA application, the MNR provided a confirmation letter for the Natural Heritage Assessment on June 11, 2012. As part of the major design change to the project, additional natural environment studies have been carried out on the new lands to be included as part of the project location. Addendum NHA reports for the amended project locations were submitted to the MNR for review in November 2013. The MNR provided its confirmation of the NHA Addendum Reports on December 13, 2013 (see Appendix B). In addition to the addenda, a NHA Modifications Document was prepared for review by the MNR and is summarized below:

- Woodland and wetland units associated with Properties 1, 6A, 9, 10 and 11A identified as part of the Records Review are no longer applicable to the NHA reports;
- Several woodland, wetland and wildlife habitat areas and their related setback limits identified as part of the Site Investigation Report and associated with Properties 1, 6A, 9, 10 and 11A are no longer applicable to the NHA reports;

- Natural features evaluated as part of the Evaluation of Significance Report were edited and/or removed based on addenda to the NHA; and
- Mitigation measures were added as part of the Environmental Impact Study as they relate to impacts to woodlands, breeding birds and silt fencing based on addenda to the NHA.

The NHA Addendum Reports and NHA Modifications Document are provided in Appendix C.

5.6 Water Addendum

The *Water Assessment and Water Body Report,* comprised of a records review, site investigation and environmental impact study, was prepared to determine potential water bodies that may occur within the project location or within 120 m and 300 m of the project location. The report also considers potential environmental effects to water bodies and proposes mitigation measures. The original *Water Assessment and Water Body Report* for the project identified crossing locations and three encroachments of less than 30 metres to an adjacent water body and recommended that mitigation measures be implemented during the construction and operation phases of the project to adequately protect these features. An addendum to the *Water Assessment and Water Body Report* has been prepared as part of the major design change to the project, and concludes that there are no additional applicable water bodies within the amended project location. Therefore, no new mitigation measures are recommended that were not previously considered as part of the original REA application. As part of the setback revisions to the overall project location, no project components are located within 30 m of an applicable water body. Exceptions to this are where access roads require water crossing. A copy of the *Water Addendum* is provided in Appendix D. A summary of required modifications to the original *Water Assessment and Water Body Report* as a result of the amended project location is also provided in Appendix D.

5.7 Noise Study Report

The Noise Study Report (NSR) provides the results of noise modelling to demonstrate that the proposed facility meets the sound power level standards of the MOE. The original NSR indicated that no mitigation measures would be required to mitigate the noise from the 97 MVPPs and one substation transformer associated with the Sol-Luce Kingston Solar PV Energy Project, or to mitigate noise sources from neighbouring solar facilities (i.e., the SunE Westbrook

Solar Farm and the Kingston Gardiner Hwy 2 South Solar Energy Project). The revised NSR concludes that the Sol-Luce Kingston Solar PV Energy Project can be constructed in compliance with MOE standards, provided that acoustic louvers are installed at 14 of the 78 MVPPs. A copy of the revised NSR and associated modelling data is provided in Appendix E.

5.8 Archaeological Assessment

Proponents are required to conduct Stage 2 Archaeological Assessment (AA2) as part of their REA application. The original AA2 identified number of archaeological finds which required Stage 3 assessments. Subsequently some of these sites required further Stage 4 assessment. As of the date this Modifications Document was drafted, all the properties which are set to be developed have been fully assessed through Stage 4 (where required) and have subsequently attained compliance letters from the Ministry of Tourism, Culture and Sport (MTCS)

As new lands have been added to the project, Stage 1 and 2 Archaeological Assessments (AA1, AA2) were undertaken for the amended project location (See Figure 1, new lands as part of the amended project location are identified as Properties #2, 25A, and 25B) in October 2013 by Stantec Consulting. An archaeological report was submitted to the MTCS on October 23, 2013; the assessment concluded that no further archaeological assessment is required on the new lands. Subsequently the MTCS provided a compliance letter on October 25, 2013 (Appendix B). The full Stage 1 & 2 Archaeological Assessment Report completed by Stantec is provided in Appendix F.

5.9 Cultural Heritage

As part of a REA application, proponents are required to consider potential cultural heritage features within and surrounding the proposed project location. A cultural heritage screening is undertaken, and if potential for cultural heritage resources is confirmed, a full *Cultural Heritage Assessment* (CHA) is required and is reviewed by the MTCS. The original REA application required a cultural heritage screening, which concluded no further study was required. Additional cultural heritage work was completed for the new lands as part of the archaeological assessment by Stantec in October 2013 and it was determined that the analysis, assessment, and recommendations of the Cultural Heritage Assessment Report remain unchanged as a result of the proposed project layout modification.. The MTCS provided their comments on November 5, 2013 and indicated that no further study is required. They also indicated that their

comment letter for the original application (dated June 11, 2012) remains valid and that new written comments from MTCS are not required (see correspondence in Appendix B). A copy of the report is included in Appendix G.

5.10 Consultation

Consultation with relevant stakeholders was carried out per the requirements of *Ontario Regulation (O.Reg.) 359/09*. Due to the proposed Major Design Change and technical changes to the project, there are 17 assessed landowners that are no longer within 120 m of the project location due to lands being removed from proposed development. It should be noted that, as per *O. Reg.* 359/09 there are no new landowners within 120 m of the project location to be included in consultation activities as a result of new lands proposed for development.

Correspondence from the City of Kingston expressed concern regarding visual impacts from the proposed facility, and detailed their setback requirements in the document entitled "Landscaping and Site Design Guidelines for Large-Scale, Ground-Oriented Solar Energy Facilities" as described in Section 3. Amendments to the project are being proposed to address the guidelines as put forth by the City of Kingston, and subsequently, Loyalist Township. These visual mitigation measures are identified on the revised site plan in Appendix A.

As indicated in Section 3, the Ministry of the Environment has required that additional consultation activities take place pertaining to the proposed major design change and technical changes to the project. A *Consultation Report Addendum* that documents these activities will be prepared under separate cover after the required public meeting and will be made available to the public following submission to the MOE.

5.11 Stormwater Management Report

A conceptual stormwater management (SWM) report was submitted as part of the original REA application. The report recommended that grassed filter strips be installed at the project location to improve the quality of stormwater runoff, and that secondary containment be implemented at all transformers. As part of the major design amendments proposed for this project, Kingston Solar LP would like to clarify that secondary spill containment will be provided for the main substation transformer only, and it is expected that specific requirements for this will be outlined in the final REA, once the project is approved by the MOE. An updated *SWM*

Plan is being prepared separately from the REA submission to address comments received from the Cataraqui Region Conservation Authority (CRCA), the City of Kingston and the Township of Loyalist. This updated *SWM Plan* will address the proposed amended layout and technical changes for the project.

6. Amendments to the Original REA Submission Package

Based on the original submission package to the MOE in September 2012, the following table outlines which reports in the original REA submission will be affected by the proposed changes to the project (outlined in Section 3.0 and Table 1). For each proposed change, the report and section(s) affected are listed.

Table 2: Changes to the Original REA Submission Package [1]

Report	Description of Amendments	Section Affected	Original Text	Revised Text (revisions are underlined)
Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Project Description Report (September 2012)	Increase in the number of panels due to reallocation of project components to remove areas within the new properties.	Section 3.2 – pg. 12	The Project will have a total nameplate capacity of up to 100 MW AC and will consist of approximately 426,000 PV panels, covering approximately 261 ha.	The Project will have a total nameplate capacity of up to 100 MW AC and will consist of approximately 450,000 PV panels, covering approximately 281 ha.
		Section 3.4.1 – pg. 13	The Project will utilize approximately 426,000 PV panels.	The Project will utilize approximately 450,000 PV panels.
		Table 3-1 – pg. 14	Total number of PV panels: approximately 426,000.	Total number of PV panels: approximately 450,000.
	Reduction in the number of Medium Voltage Power Platforms (MVPPs).	Section 4.6.2 – pg. 34	There are ninety-seven (97) MVPPs proposed for this project, each houses two (2) SC-500HE-US 500 kW inverters, or equivalent, inside an enclosure and one (1) 1 MVA step-up transformer located outdoor.	There are seventy-eight (78) MVPPs proposed for this project, approximately eight (8) of these MVPPs will house (1) SC-800CP-US800 kW while the remaining 70 houses two (2) SC-800CP-US 800 kW inverters, or equivalent, inside an enclosure and one (1) 800 kVA to 1.6 MVA step-up transformer located outdoor.
	Clearing requirements	Section 4.2.1.1 – pg. 28 Section 4.2.2.1 – pg. 28	Clearing required for construction of Project components will remove 66.2 ha of vegetation … Wetlands not provincially significant will account for approximately 0.34 ha of vegetation removed. Consequently, a total of 0.34 ha of wetlands will be cleared for construction of project components.	The vegetation to be cleared is outlined in the original NHA and addenda reports where appropriate. Please see Appendix C.
Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Design and Operations Report (September 2012)	Increase in the number of panels due to reallocation of project components to remove areas within the new properties	Section 3.3 – pg. 14	The Project is designed to generate 100 MW AC of electricity using approximately 426,000 solar PV panels, arranged in 1 MW blocks consisting of approximately 4,260 PV panels.	The Project is designed to generate 100 MW AC of electricity using approximately 450,000 solar PV panels, arranged in 800 kW to 1.6 MW blocks consisting of approximately 2,758 to 5,517 PV panels.
		Section 3.3.1 – pg. 15	The Project will utilize approximately 426,000 PV panels in total, each with nameplate capacity of 0.27 kW, arranged in predominantly 1 MW blocks, consisting of approximately 4,260 PV panels.	The Project will utilize approximately 450,000 PV panels in total, each with nameplate capacity of approximately 0.29 kW, arranged in 800 kW to 1.6 MW blocks consisting of approximately 2,758 to 5,517 PV panels.
Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Construction Plan Report (September 2012)	Increase in the number of panels due to reallocation of project components to remove areas within the new	Section 3.4.2 – pg. 12	The Project would include approximately 426,000 solar PV panels, arranged in predominantly 1 MW blocks consisting of approximately 4,260 PV panels.	The Project would include approximately 450,000 solar PV panels, arranged in predominantly 800 kW to 1.6 MW blocks consisting of approximately 2,758 to 5,517 PV panels.

Report	Description of Amendments	Section Affected	Original Text	Revised Text (revisions are underlined)
	properties	Section 3.8 – pg. 15	Solar panels and racking: ~426,000 units.	Solar panels and racking: approximately 450,000 units.
	Clearing requirements	Section 4.2 – pg. 23	Clearing required for construction of Project components will remove 66.2 ha of vegetation consisting largely of regenerating agricultural lands with lesser amounts of woodland and hedgerow. Wetlands not provincially significant will account for approximately 0.34 ha of vegetation removed. Though the majority of project components will be located outside of woodland boundaries, a total of 8.1 ha of woodland habitat will be cleared of all vegetation to accommodate project components.	The vegetation to be cleared is outlined in the original NHA and addenda reports where appropriate. Please see Appendix C.
Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Noise Study Report (September 2012)	Reduction in the number of Medium Voltage Power Platforms (MVPPs).	As a result of the changes to the project, the *Noise Study Report* has been revised and is included in Appendix F.		
Kingston Solar LP Sol-Luce Kingston Solar PV Energy Project Natural Heritage Assessment and Environmental Impact Study (June 2012)	Increase in the number of panels due to reallocation of project components to remove areas within the new properties	Executive Summary – pg. i	The proposed Project will consist of approximately 426,000 photovoltaic (PV) panels (arranged in approximately 1 MW blocks consisting of 4,260 PV panels).	The proposed Project will consist of approximately 450,000 photovoltaic (PV) panels (arranged in approximately 800 kW to 1.6 MW blocks consisting of approximately 2,758 to 5,517 PV panels).
		Section 1.1 – pg. 1	426,000 solar photovoltaic (PV) panels (anchored to structural aluminum or galvanized steel racks) located on multiple sites with the cumulative capacity to generate up to 100 MW AC of electricity.	Approximately 450,000 solar photovoltaic (PV) panels (anchored to structural aluminum or galvanized steel racks) located on multiple sites with the cumulative capacity to generate up to 100 MW AC of electricity.
		Section 5.1 – pg. 98	As outlined in Section 1.1 of this report, the Project consists of approximately 426,000 PV panels to generate up to 100 MW AC of power, an inverter station consisting of two 500 kVA inverters and transformers, a substation and an adjacent switchyard, a 34.5 kV collector system of underground and overhead power lines, access roads, culverts and temporary construction laydown areas. Approximately 426,000 PV panels will be arranged in 1 MW blocks consisting of 4,260 PV panels.	As outlined in Section 1.1 of this report, the Project consists of approximately 450,000 PV panels to generate up to 100 MW AC of power, an inverter station consisting of one to two 800 kVA inverters and transformers, a substation and an adjacent switchyard, a 34.5 kV collector system of underground and overhead power lines, access roads, culverts and temporary construction laydown areas. Approximately 450,000 PV panels will be arranged in 800 kW to 1.6 MW blocks consisting of approximately 2,758 to 5,517 PV panels.

Report	Description of Amendments	Section Affected	Original Text	Revised Text (revisions are underlined)
Final Report Stage 1 Archaeological Background Study and Stage 2 Property Assessment Sol-Luce Kingston Solar PV Solar Energy Project Ernestown and Kingston Townships, Lennox and Addington Counties, Ontario (February 10, 2012)	Archaeological finds documented during Stage 1 & 2 Archaeological Assessments for the Sol-Luce Kingston Solar PV Energy Project.	Section 4.3 – pg. 52, 5.2.2 – pg. 69, and 5.3.2 – pg. 72	The original Stage 2 Archaeological Assessments (AA2) identified a number of archaeological finds which required Stage 3 assessments. Subsequently some of these sites required further Stage 4 assessment. As of the date this Modifications Document was drafted, all the properties which are set to be developed have been fully assessed through Stage 4 (where required) and have subsequently attained compliance letters from the Ministry of Tourism Culture and Sport (MTCS) A comment letter from MTCS for the archaeological assessment addendum is provided in Appendix B.	

Note: PDR = Project Description Report; CPR = Construction Plan Report; DOR = Design and Operations Report; NHA EIS = Natural Heritage Assessment Environmental Impact Study; NHA EOS = Natural Heritage Assessment Evaluation of Significance; NHA RR = Natural Heritage Assessment Records Review; NHA SI = Natural Heritage Assessment Site Investigation; CHS = Cultural Heritage Screening; AA = Archaeological Assessment; WBR = Water Body Report; WAR = Water Assessment Report; SWM = Stormwater Management Report. [1]Note that where documents contain figures showing the conceptual component layout for the project, it is understood that these would be updated to reflect the proposed changes to the Sol-Luce Kingston Solar PV Energy Project.

7. New Documents as part of amended REA application

The following table provides a summary of new documents that were developed as part of the amended REA application.

Table 3: New Documents as part of Amended REA Application

Report	Summary
Natural Heritage Assessment Modifications Document	This document provides an overview of the changes that were made to the original NHA as they relate to natural features identified as significant by the MNR or those that were treated as significant for the purpose of completing the Environmental Impact Study (EIS). The document also describes the changes that were made to proposed mitigation measures for these features. See Appendix C.
Natural Heritage Assessment (4 reports: Records Review, Site Investigation, Evaluation of Significance, Environmental Impact Study)	The amended NHA outlines the results of field work to identify potentially significant natural features in the new lands. The reports also propose mitigation measures to reduce or eliminate potential negative environmental effects. See Appendix C. The MNR confirmed these reports on December 13, 2013 (see Appendix B).
Noise Study Report	The Noise Study Report was fully revised to incorporate the location and technical amendments to the project. It concludes that all components of the facility can be installed and will be in compliance with the Ministry of Environment's noise standards once mitigation measures are applied. See Appendix E.
Stormwater Management Plan	This documents the updated Stormwater Management Plan for the project. This will be provided under separate cover for review by the Cataraqui Region Conservation Authority.

Report	Summary
Consultation Report Addendum	This overviews the additional consultation undertaken by Kingston Solar LP as a result of the modifications to the project. The Consultation Report addendum provides details on the Public Meetings to be held in January 2014, as well as documents correspondence with various stakeholders for the project, including Aboriginal communities, landowners and government agencies. This report (the *Consultation Report Addendum*) is provided under separate cover and will be completed following the public meeting.

8. Agency Confirmations

8.1 Ministry of Natural Resources

As part of the original REA application, the Ministry of Natural Resources provided a confirmation letter for the Natural Heritage Assessment on June 11, 2012. As part of the major design change to the project, additional natural environment studies have been carried out on the new lands to be included as part of the project location. The modifications to the Natural Heritage Assessment are summarized in Section 0. The Ministry of Natural Resources provided their confirmation of the Natural Heritage Assessment for the new lands on December 13, 2013 (Appendix B).

8.2 Ministry of Tourism, Culture and Sport

As part of the original REA application, the Ministry of Tourism, Culture and Sport provided compliance letters for the Stage 1 and 2 Archaeological Assessments as well as the Cultural Heritage Assessment on March 12, 2012 and June 11, 2012, respectively. As part of the major design change to the project, additional archaeological studies have been undertaken for the new lands to be included as part of the project location and were submitted to the Ministry of Tourism, Culture and Sport on October 23, 2013. The results of these assessments are summarized in Section 0. The Ministry of Tourism, Culture and Sport provided their comment letter for archaeology on October 25, 2013 (see Appendix B). It should be noted that no additional studies were required for cultural heritage for the project.

A cultural heritage addendum was submitted to MTCS on October 29, 2013 which reviewed the proposed amendments to the project as they pertain to cultural heritage resources. On November 5, 2013, the Ministry of Tourism, Culture and Sport indicated that the proposed changes to the project do not affect the recommendations in their cultural heritage comment letter for the June 8, 2012 version of the report and that a new comment letter would not be required. A copy of this correspondence is provided in Appendix B.

9. Summary

This report has documented the major design and technical changes proposed to the Sol-Luce Kingston Solar PV Energy Project. Additional studies related to the natural environment (i.e., natural features and water bodies), archaeology and cultural heritage have been undertaken to identify any additional potential environmental effects that were not identified as part of the original REA application. A Public Meeting will also be held to inform residents and interested stakeholders of the proposed changes to the project. The outcome of the meeting is summarized in the *Consultation Report Addendum*, which will be provided under separate cover following the public meeting.

This document and its associated appendices are to be reviewed in tandem with the original REA application as submitted by Kingston Solar LP on September 18, 2012. It is the view of Kingston Solar LP that these documents provide sufficient information for the Ministry of the Environment to complete its technical review of the project and ultimately award a Renewable Energy Approval for the construction of the Sol-Luce Kingston Solar PV Energy Project.