

**Sol-Luce Energy Project  
Community Liaison Committee  
Meeting No.4  
MEETING MINUTES**

**KINGSTON  
SOLAR LP**

*Minutes prepared by: AECOM*

[www.samsungrenewableenergy.ca/kingston](http://www.samsungrenewableenergy.ca/kingston)



**Sol-Luce Energy Project Community Liaison Committee**

*Minutes from Meeting #4*

*These meeting minutes were prepared by AECOM. AECOM is providing neutral third-party consultation services for the Sol-Luce Energy Project Community Liaison Committee (CLC). Meeting minutes are not intended to provide verbatim accounts of committee discussions. Rather, they are intended to summarize and document the key points made during the discussions as well as the outcomes and actions arising from the committee meetings. If you have any questions or comments regarding the Meeting Minutes, please contact:*

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Facilitator

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**Sol-Luce Energy Project Community Liaison Committee**

*Minutes from Meeting #4*

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Appendix A – List of Attendees

Appendix B – Sol-Luce Energy Project CLC Meeting #4 Presentation

## 1) Community Liaison Committee - Meeting #4

The fourth Community Liaison Committee (CLC) meeting for the Sol-Luce Energy Project (the Project) took place on October 28, 2015 from 6:00 p.m. to 8:00 p.m. at the Cataraqui Recreation Centre, 1030 Sunnyside Road Kingston, Ontario.

## 2) Welcome and Introductions

At the start of the meeting, Mark van der Woerd (Committee Facilitator) welcomed the Committee members and members of the public to the fourth CLC meeting for the Project and noted that this was the final CLC meeting for the Project.

Mark introduced himself and Adam Wright from AECOM as third-party facilitators who aim to create space for constructive conversations between the CLC members and the Kingston Solar team. Mark then invited Committee members to introduce themselves and, if applicable, the organization or community group that they represent. To review a list of Committee and Project team members in attendance, please see **Appendix A**

Mark then outlined the meeting Agenda and invited Committee members to ask questions along the way. After this, Mark asked Adam to review the action items and community concerns received since the previous CLC meeting.

## 3) Review of Action Items from Meeting #3 & Community Questions Received by CLC Members Since Meeting #3

Adam outlined the following questions and concerns that were received from CLC members since the third CLC Meeting. A summary of the response provided is noted in the sub-bulleted, italicized text.

- Questions about how the foundation holes will be restored during decommissioning
  - *Further information about decommissioning was provided in the CLC meeting presentation.*
- Requests for more information about the types of plants for landscaping and the RFP process for tree procurement.
  - *Specific sections of the landscaping plans were outlined and discussed in the CLC meeting presentation.*
- Provide more information about the storage of topsoil during the operations phase.
  - *Topsoil that is on-site has been repurposed and excess material has been shaped on-site after consultation with the project engineers. More details are provided in the decommissioning portion of the presentation.*

## Sol-Luce Energy Project Community Liaison Committee

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- Provide information regarding potential re-forestation of the region.
  - *Details provided in the decommissioning portion of the presentation.*
- Provide information regarding paved driveways affected during construction.
  - *Kingston Solar worked with impacted landowners during construction to ensure Project effects were minimized. Kingston Solar noted that inspectors from the municipality for the road use agreements are currently reviewing the area and will provide a report to Kingston Solar once complete. After this, Kingston Solar will ensure identified issues are addressed. It was also noted that there are securities in place with the Municipality to ensure this work is completed.*
- Nesting platforms for barn swallows
  - *It was noted that there are 16 nesting areas that were created for barn swallows north of Zone 4 of the Project and that there were pictures of these in the CLC #3 meeting summary.*

### **Question 1 - What regions of the Project are you planning to monitor using the security cameras?**

JW - Our policy is to visualize the solar sites for security purposes only. Kingston Solar's intention is to ensure that our property is not damaged or vandalized. If the cameras are unintentionally monitoring areas beyond our Project sites (i.e. private property) we will work to adjust the line of site and narrow the monitoring fields physically to ensure the privacy of neighbours with adjacent properties is maintained.

### **Question 2 - How will the adjacent landowners know if they are being recorded via the Project cameras?**

JW - Kingston Solar can take screen shots of the recorded videos to show landowners what is in the camera's field of view. Once the cameras are installed, we will adjust the fields of view, as required, to ensure we are only monitoring/recording our property. The only areas where parts of private properties would potentially need to be seen is near the property lines / fence lines.

### **Question 3 - I assume there will be some instances where landowners could potentially be on camera?**

JW - Yes this is true but we can adjust the line of sight to ensure we are only monitoring property lines – not private property. Once we have the system in place we can take screen shots and sit down with property owners to see what is being captured by the cameras.

## **4) Sol-Luce Energy Project Status Update - Construction**

Mark then invited David Oxtoby (DO) from Kingston Solar to provide the CLC with a status update for the Sol-Luce Energy Project. To review a copy of the presentation, please refer to **Appendix B**.

DO began his presentation by walking the CLC members through an outline of the presentation. He then reviewed the civil works portion of the Project, noting the following items in red have not been completed.

- Civil Works
  - Berms and access roads completed
  - Final site grading underway
  - Seeding & landscaping to be completed in the spring
  - Unity Road to be repaved between Zones 4 & 5 in second week of November - there is about 100m that needs to be repaved and there is a local contractor who will undertake this work. The intent is to make a better road than the previous road.

**Question 4 - What will happen with construction signage and when will permanent signage be installed?**

JW - Once construction efforts have concluded, all relevant construction signage will be removed. After this, permanent signage will be installed by the municipality, but we cannot speculate on when that will occur.

**Comment 1 - Along Unity Road, Kingston Solar, or its contractor, installed temporary poles for signage that have been left in the ground with no signs attached. Are you planning to remove these poles before the snow falls as they could be a hazard for snow plow drivers?**

JW - We can take a look at this and determine if these poles are necessary as we move into winter. Kingston Solar will ensure these are removed if they are not required.

DO then continued to discuss the Structural works relating to Construction and noted that items in red have not yet been completed.

- Structural Works
  - All foundations, racking and modules installed
  - All MV Stations installed
  - Substation completed
  - Operations and Maintenance (O&M) building to be constructed in mid-January - This is a 3000 sq. foot building adjacent to the substation and is part of the approved design for the Project.
- Electrical Works
  - All electrical connections completed
  - System interconnected with grid
  - Project was commissioned in September 2015
  - Final performance testing underway - This is done to ensure everything is working as it should be.

## Sol-Luce Energy Project Community Liaison Committee

Minutes from Meeting #4

DO then provided an overview of the Project schedule and noted that the Project was on schedule with only a couple items remaining (items in red not complete).

Milestone	Date	Achieved
Full Notice to Proceed	Sept. 2, 2014	Yes
Civil Engineering Package	Nov. 25, 2014	Yes
Electrical Engineering Package	Dec. 15, 2014	Yes
Site Grading	Jan. 16, 2015	Yes
Foundations Complete	July 2015	Yes
Racking Complete	July 2015	Yes
Module Installation Complete	August 2015	Yes
Acceptance Testing Starts	September 2015	Yes
Substantial Project Completion	September 2015	Yes
Final Project Completion	Early 2016	Not yet
Final Landscaping	Spring 2016	Not yet

DO then provided an outline of the Project Zones (pg.5) and also reviewed aerial pictures from the presentation (pg.6-11). DO noted that CLC members and members of the public people can go to the website to view these pictures and if there are any updates they will be placed here - <http://www.samsungrenewableenergy.ca/kingston>

### 5) Sol-Luce Energy Project Status Update - Operations

DO then reviewed the Operations phase of the Project.

- Project now fully operational and generating enough electricity for more than 17,000 Ontario homes.
- Operations and maintenance to be performed by SMA Canada Inc. under a long-term contract
- Site staffed during daylight hours
- Permanent employees live in the Kingston area
- Most activities do not create much noise or road traffic
- Some activities may be subcontracted with local suppliers used if possible

#### Question 5 - How do we contact the Kingston Solar Project team?

DO - There is contact information at the end of the presentation (also provided below). Once the O&M building has been constructed we can provide the permanent contact information for the Operations Team.

**Jason Woods**

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**Question 6 - For the Project how many people are there on-site at one time?**

JM - There are seven (7) employees in total and depending on the time and situation there are normally about four (4) people on-site during the daytime.

**Question 7 - Are there opportunities for student employment on the Project?**

JM - We can definitely take a look at this, they could potentially cut grass or do general upkeep of the area.

**Comment 2 - In my opinion this would be an effective way to show you are a good corporate citizen.**

JW - We did have four (4) students from different universities in Ontario who worked on the Project so this is something that we have done in the past and could potentially do in the future.

DO then provided an update regarding berm construction and landscaping:

- Berm complies with consultants' drawings in all locations
- Landscaping work ongoing - Kingston Solar is installing 130 more trees than were specified in the approved plan. If the trees planted now do not survive these will be replaced in the spring as part of the contract.
- One of the species (Grey Dogwood) was unavailable at the 1.75m height, necessitating substitution of the same species at a shorter height, with municipal approval.
- IBI landscaping consultants to visit site mid-November to review landscaping work and to ensure the plan is on track. The City will also review the plan to make sure it is in accordance with the contract. If IBI notes that improvements are needed, Kingston Solar will take the appropriate actions.

DO then provided updates regarding the detailed planting list for Buffers A and B (as a note the picture on page 17 is buffer B not C as noted in the presentation).



**DETAILED PLANT LIST - BUFFERS A AND B**

<b>BUFFER A - VEGETATIVE BUFFER PLANT LIST</b>										
KEY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	COND	MATURE HEIGHT (m)	MATURE SPREAD (m)	MIN. O.C. SPACING (m)	QNTY.	QNTY. TOTAL
ac	Amelanchier canadensis	Serviceberry		175cm	B.B	6.0	5.0	2.0	4	107
cr	Cornus racemosa	Gray Dogwood		175cm	B.B	3.0	2.5	1.0	5	134
vt	Viburnum trilobum	High Bush Cranberry		175cm	B.B.	3.0	3.0	2.0	2	53
to	Thuja occidentalis	White Cedar		175cm	B.B	20.0	2.5	2.0	14	375
<b>TOTAL</b>									<b>25</b>	<b>669</b>

<b>BUFFER B - ENHANCED VEGETATIVE BUFFER PLANT LIST</b>										
KEY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	COND	MATURE HEIGHT (m)	MATURE SPREAD (m)	MIN. O.C. SPACING (m)	QNTY.	QNTY. TOTAL
<b>BUFFER B</b>										
ac	Amelanchier canadensis	Serviceberry		175cm	B.R.	6.0	3.0	2.0	7	157
cr	Cornus racemosa	Gray Dogwood		175cm	B.R.	3.0	2.5	1.0	7	157
vt	Viburnum trilobum	High Bush Cranberry		175cm	B.R.	3.0	3.0	2.0	3	68
to	Thuja occidentalis	White Cedar		175cm	B.R.	20.0	2.0	2.0	9	202
jv	Juniperus virginiana	Eastern Red Cedar		175cm	B.R.	16.0	3.0	2.0	8	180
<b>TOTAL</b>									<b>34</b>	<b>764</b>

DO then reviewed the expected growth over time and noted that IBI wanted there to be fewer evergreen trees as they are not native to the region.

**Comment 3 - CLC member noted that he would hope there are some evergreens as the winter season is so long and evergreens would provide better coverage.**

**Question 8 - Is there going to be grass cutting around the berm?**

JW - The berm will receive mulch so hopefully grass clearing will be minimal. Where required, grass cutting will be undertaken during the spring and summer months and mulch will be added around November / December. Inside the Project site a combination of seeds for grass will be used which are called a "Solar Mix". This mix is used specially for solar projects as it holds topsoil and is indigenous to the area. Kingston Solar did find one grass in the Project area that is invasive and we worked to replace this grass with one that grows slower and not upwards (e.g. slow and low).

**Comments 4 - Two of those bushes, the high bush cranberry and dogwood do grow really quickly so it would be good if these are controlled as the roots surface quickly and these spread.**

JW - That is a good point and we will bring this up with IBI when we meet with them.

**Question 9 - If a tree dies, what happens?**

JW - There is a warranty on each plant as well as a security in place with the municipality which ensures that if there are any failures with trees these will be replaced in a timely manner. Beyond the two (2) year point we are working with the O&M contractor to inspect the trees and vegetation in the Project area to ensure that dead vegetation is replaced in a timely manner.

**Question 10 - What is your timeline for completing the fencing?**

ME - We are aiming to have the fence installed by December 21 2015. The installation of the fencing could be affected by any inclement weather as wet and snowy weather will affect planting timelines, which is our first priority before installation of fencing.

**Question 11 - Has there been any progress on removing the page wire fence on Unity Road?**

JW - We are still determining this as in order to remove the page wire fence we would need to get approval from the property owner and most likely the municipality, as it is outside of the Project boundary.

Mark asked if there were any other questions, none were received.

DO then discussed the ongoing stormwater management relating to the Project.

- Permanent management features (e.g. check dams, sediment basins) now in place
- Grading will be completed in the coming days as such we are a bit late for effective seeding
- Temporary measures (e.g. silt fences) will be used until seeding takes place in spring - We have maintained independent consultants to check the conditions after heavy weather events. We also work with the MOECC and Conservation Authorities for water clarity, water volume and other items and will come back with a list of suggested actions. Check dams and basins need to be inspected regularly.
- Stormwater management being monitored by independent firm Dillon Consulting Ltd. to ensure best practices followed and site in compliance with all regulations

DO noted there are also specific local stormwater issues which Kingston Solar is working to repair and this is their main focus. Jason asked CLC members to contact him if they can help identify areas of concerns as landowners have a much better understanding of local land drainage patterns.

**Question 12 - Are all the swales installed in zone 5?**

AJ - In Zone 5 we are 99% complete with a small sediment trap that needs to be completed (due to ongoing landscaping construction). For the other zones we are in the same boat, 99% complete with some small items outstanding.

**Question 13 - How do you know when these zones are completed?**

AJ - Dillon Consulting is being used as a third party consultant to review the site to determine if it aligns with the MOECC-approved plan. Dillon Consulting will provide Kingston Solar with recommendations and then we will work to implement them.

**Question 14 - Isn't there a bit of guesswork for a consultant to come in and determine the water management plans when there isn't any topsoil or vegetation?**

JW - Kingston Solar invited a third party to specifically come in and evaluate what items need to be completed over the winter and what items can be addressed in the spring. During this review the site will be considered "non-complete" knowing that final landscaping still needs to occur.

**Question 15 - If the engineering plan is flawed, and the volumes of water are too high because of lack of vegetation, I'm assuming further work will be required?**

AJ - There is compaction in the area due to construction, when the land freezes and then thaws this will help the land heal itself naturally. As noted, Kingston Solar is dedicated to fixing this issue and recognize that the site must be remediated to the level in which it was before we started construction.

**Question 16 - Without the vegetation there are issues with flooding.**

JW - I understand this and we do need to address any issues there may be with the plan. We need to wait for the winter to determine the effectiveness of the design once vegetation has been restored. On paper this design works, but we normally need to make refinements to ensure drainage is sufficient for the unique features on the land. This is the same for any construction process.

DO then reviewed the Decommissioning plan:

- Site-specific decommissioning plan prepared by AMEC Environmental in 2012
- Plan is available on SRE's Kingston Solar website
- Plan covers in detail topic such as Above-Ground Decommissioning, Below-Ground Decommissioning, Environmental Protection During Decommissioning, Site Restoration and Agricultural Lands
- Decommissioning practices will follow all regulations in effect at the future date

Kingston Solar will follow all the steps outlined in the decommissioning plan. DO noted contact information for the Project team. He asked that if members of the community notice any odd activities (i.e. people stealing materials or damaging project components), to please let Kingston Solar know.

**Question 17 - Is the Kingston Solar contact information permanent?**

DO - This contact number is temporary but we continue to use it until spring of 2016. Once the O&M building is constructed we will circulate the permanent contact information.

**Question 18 - There was discussion about a habitat being created, is that still happening?**

JW - Yes there is barn swallow habitat as well as habitat for Loggerhead Shrikes. This is located on Nugent Road north of Odessa on leased land. There is also leased land providing a habitat for the Bobolinks.

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SK - Regarding the leases, between Zone 2 and 3 Kingston Solar has signed a 20-year agreement with a landowner to preserve Bobolink habitat as part of the REA commitments for the Project. The Bobolink Habitat location was selected through discussion with the Ontario Ministry of Natural Resources and Forestry (MNR) to ensure their requirements were met.

**Question 19 - At a previous meeting, Kingston Solar noted that the company supplying trees was going to provide a plan, is this plan currently available? If not, how can we find a version of the plan once it is complete?**

JW - We are still currently working to complete this plan, as it is quite a large plan it takes a bit longer to complete. Once complete, the specifics of the landscaping plan can be provided to landowners and CLC members. Please check back or we can also we can send update emails to the CLC members. As well, there is the grand opening ribbon cutting ceremony which you will all be invited to.

**Question 20 - Is there any provincial requirement that Kingston Solar must be involved in the community after construction is complete and the Project moves into operation? I am curious if Kingston Solar has any plans to be involved with the community as a good neighbour, potentially via a scholarship?**

Kingston Solar definitely wants to be a good neighbour and we are dedicated to being involved in the community. For us to help out we need to know what is going on in the community so please contact us and let us know how we can support your efforts and continue to be a good neighbour.

Also, there is the Community Vibrancy Fund (CVF) with annual payments provided to municipality. The intent behind the CVF funds is to provide money to council and community members for 'green initiatives', community building, community events, etc.

**Comment from Councillor Allan 5 - The municipality designates where the CVF money goes and on an annual basis revisits these allotments.**

**Question 21 - How do community members contact Dillon Consulting when they are working in the area? Do we reach out to them or to Kingston Solar?**

JW - Please contact Kingston Solar as we can work with Dillon Consulting to help identify and consider each person's feedback.

**Question 22 - Is Dillon Consulting the same people who completed the water testing at the start of the Project, and will they be the same people who come in post-construction?**

JW – Yes, it is the same company. They are on site every six (6) months or so.

Mark noted that if people have issues relating to Stormwater to please get in touch with Jason and he can direct them to Dillon Consulting.

**Comment 6 - I know that there are four (4) meetings for this Project; but this meeting was supposed to occur at the end of the Project. Are there additional meetings planned once the Project construction is complete.**

DO – We haven't made any formal decisions but we can arrange for meetings to occur at the O&M building. Moving forward, we do not plan to have additional CLC meetings but we are open to meeting with the community and providing updates/information as the Project moves forward.

Mark clarified that timing for the last CLC meeting was planned to coincide with the completion of construction. Since site reclamation could occur over the next number of months and the facility is operating, the purpose of hosting the meeting in November was to ensure any questions or concerns relating to construction could be addressed.

**Comment 7 - How will this notice or newsletter be promoted to the public? I checked the website and there wasn't a meeting agenda placed, as well the Kingston Whig is a small paper to place the meeting notice.**

DO - I was not aware of this but typically we place the agenda and notice on the website as well as in the Kingston Whig, which really is the only paper available in the Project area. We can also place your email on the Project email list to ensure you are kept up to date on the Project.

Mark noted that he received a couple emails from people who saw the notice in the paper. As well, CLC members have been encouraged to inform members of their community about the CLC meetings.

**Comment from Councillor Allan 8 - We have found that roadside signs work best, rather than social media or newspapers as the people interested in a certain project typically live in a general area.**

**Comment 9 - A mail out could work to the adjacent landowners in the area.**

DO - We have a mail out list that we can utilize for these types of communications.

**Question 23 - I sent Kingston Solar an email regarding lights on the substation; can you follow up on this?**

JW - Kingston Solar does have permanent lighting on the substation and on the MV Stations. We are not averse to changing lighting but we need to ensure we are compliant with all applicable rules governing the Project. Currently we have people working overnight and these issues should subside as that work is completed. We need to fully understand the extent of the issue so please help us identify these areas of concern.

**Question 24 - Is there a policy regarding lighting associated with the Project.**

JW - In general, all of the lights are on photocells and / or motion sensors.

**Question 25 - What is the protocol at night for lights?**

JW - During the construction phase, the zone gates that were either not installed or not closed at night had security personnel monitor them. The lights are motion activated and turn on when there is motion in the region, so if security personnel are there they are more likely to turn on.

## **Sol-Luce Energy Project Community Liaison Committee**

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I think the solution for lighting is to go to each of the receptors (landowners) to determine what needs to be shifted to accommodate each landowner. This should be removed mid-November and at that point the security guards will be not there. After this, the security program will be in place. As we progress towards the end of construction, the amount of lights will be reduced. After this we will work to reduce the glare from peripheral lighting.

### **Question 26 - In Zone 3, is there a cutoff for the amount of lighting?**

JW - There will approximately be 110 permanent lights for the Project. We have options though where we can change wattage, directionality, cutoff on the side. As noted, we want to work with you to correct these concerns.

Mark asked if there are any other questions or comments.

**Comment 10 - There was a family friend who was dog sitting and the dog ran away. The security personnel for the Kingston Solar Project found the dog and went from home to home to ensure the dog's owner was found. I thought that was a nice act of service.**

## **6) Meeting Conclusion**

Mark thanked the CLC members for their time spent on the Committee. Mark noted there are meeting evaluation forms that can be completed by CLC members if they choose to do so. Mark then briefly outlined the preferred methods to communicate Project related information moving forward (i.e. newsletter, one on one correspondence, ribbon cutting ceremony).

DO also thanked the community members for attending these meetings as well as the CLC members for their time spent on this Committee. He noted that members of the CLC would be invited to a grand opening ceremony and that invitations would be sent out closer to the date.

## **Appendix A – List of Attendees**

**Sol-Luce Energy Project Community Liaison Committee**

*Minutes from Meeting #4*

<b>Name</b>	<b>Organization / Role (if any)</b>	<b>Attendance</b>
<b>COMMITTEE MEMBERS</b>		
<b>Richard De Wolfe</b>	Resident / Landowner within 1km of the Project	Present
<b>Laura Lee Morris</b>	Resident / Landowner within 1km of the Project	Absent
<b>Lance Norman</b>	Resident / Landowner within 1km of the Project	Present
<b>Stanley Collins</b>	County Resident / Landowner	Present
<b>Brian Wilson</b>	County Resident and Agricultural Community	Present
<b>Crystal Kuhlman</b>	County Resident / Landowner	Absent
<b>Lori Loucks</b>	Lands Resource Consultation representative from Hiawatha First	Absent
<b>Genie Orton</b>	Kingston Chamber of Commerce	Sent Regrets
<b>Samsung Renewable Energy Inc. (Samsung)</b>		
<b>Simon Kim</b>	General Manager, Solar Business Development	Present
<b>CarbonFree Technology</b>		
<b>David Oxtoby</b>	CEO	Present
<b>SMA Solar technology Canada Inc.</b>		
<b>Jamie Modarski</b>	Senior Manager, O&M	Present
<b>Kingston Solar LP</b>		
<b>Jason Woods</b>	Project Director	Present
<b>Chris Moran</b>	Project Manager	Present



**Sol-Luce Energy Project Community Liaison Committee**

*Minutes from Meeting #4*

<b>Name</b>	<b>Organization / Role (if any)</b>	<b>Attendance</b>
<b>Muzaffer Eryigit</b>	Construction Manager, Civil	Present
FACILITATION		
<b>Mark van der Woerd</b>	AECOM	Present
<b>Adam Wright</b>	AECOM	Present

**Appendix B – Sol-Luce Energy Project CLC Meeting #3  
Presentation**



# **KINGSTON SOLAR LP**

Sol-Luce Kingston Solar PV Energy Project Overview

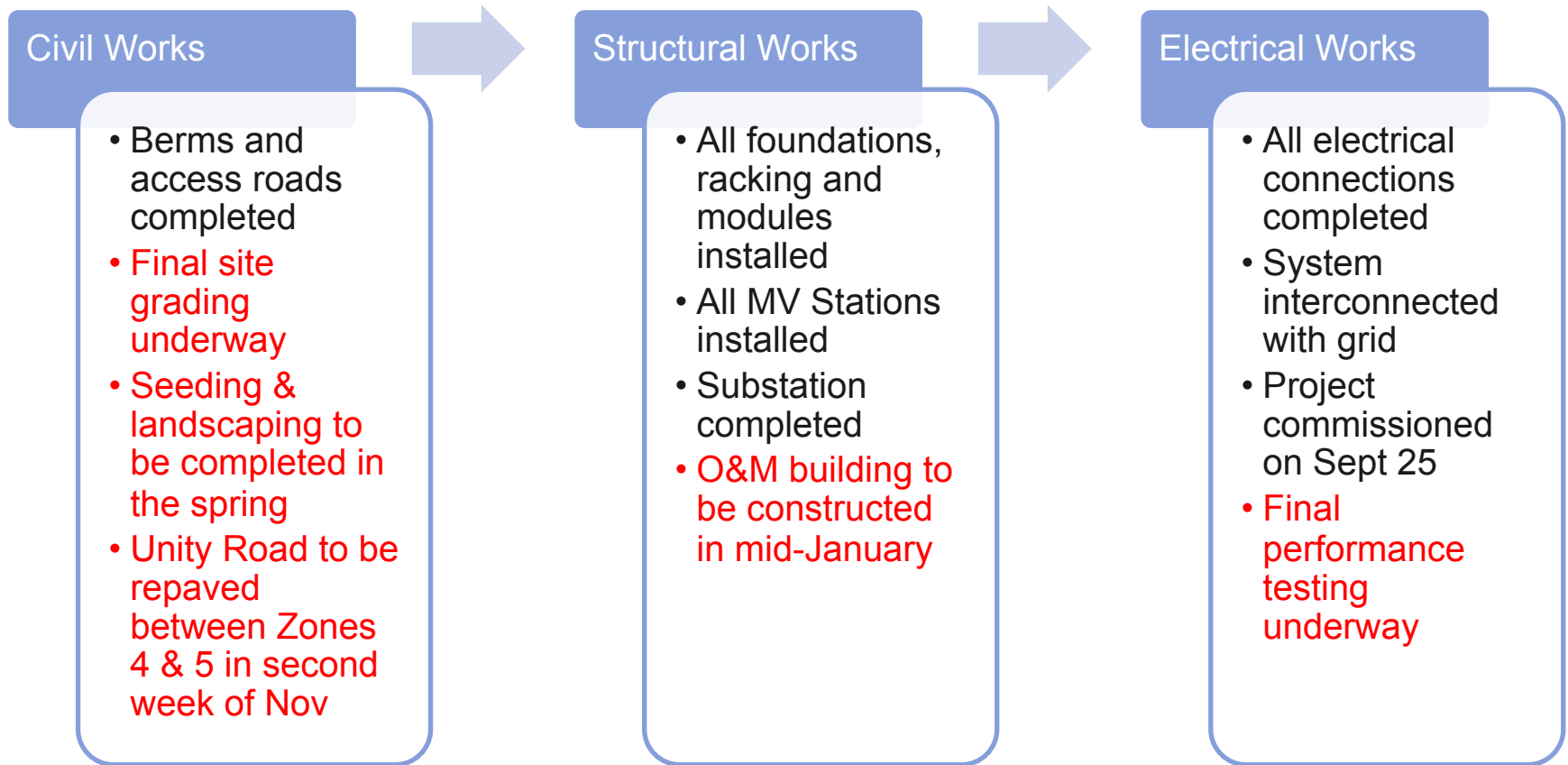
*October 28, 2015*

**KINGSTON**  
**SOLAR LP**

# AGENDA

- Project Status Update
- Operation of the Project
- Landscaping Update
- Stormwater Management
- Decommissioning
- Questions / Clarifications
- Contact Info

# CONSTRUCTION COMPLETED AND PROJECT COMMISSIONED



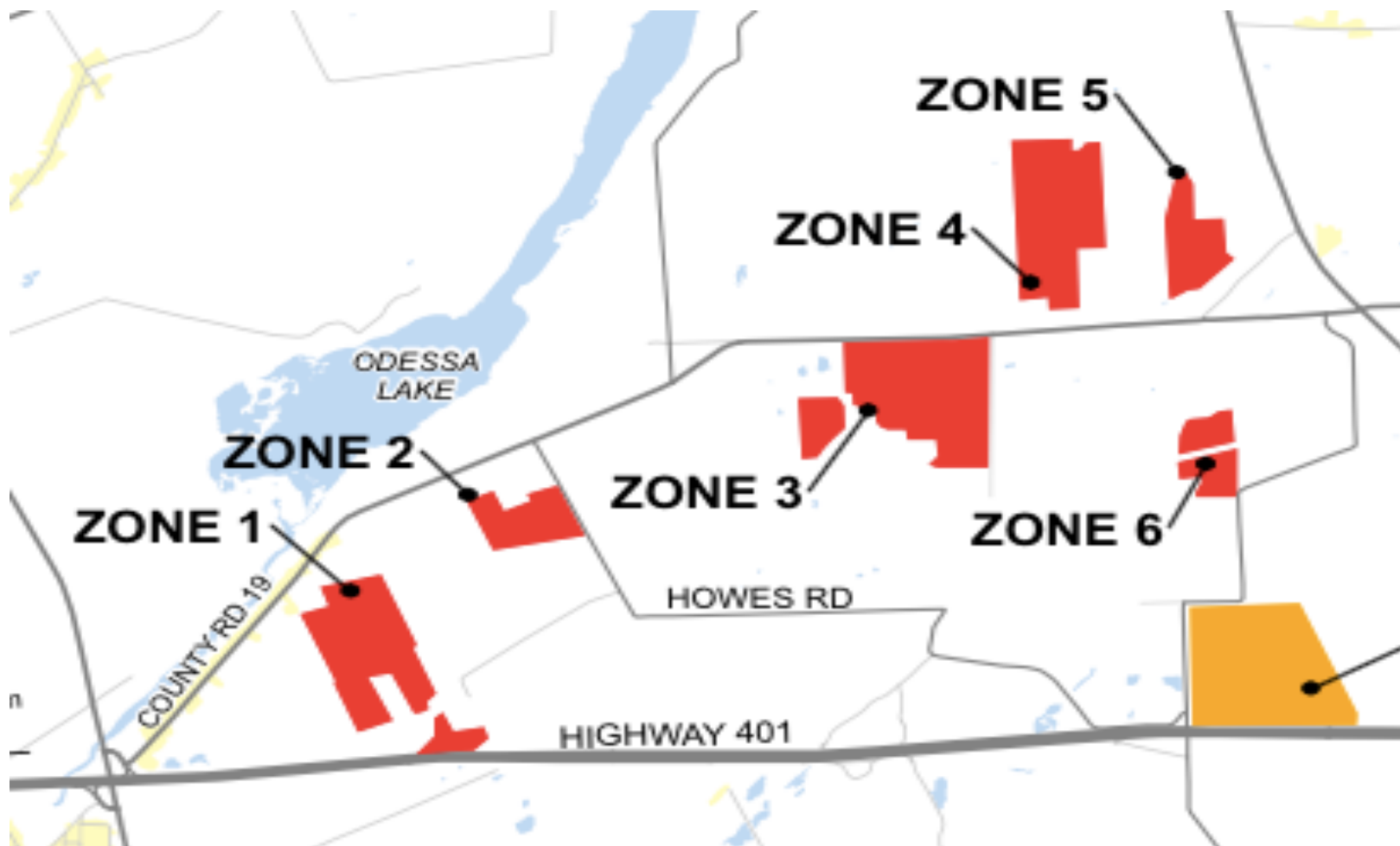
All activities completed except those shown in red

## OVERVIEW OF THE PROJECT SCHEDULE

Milestone	Date	Achieved
Full Notice to Proceed	Sept. 2, 2014	Yes
Civil Engineering Package	Nov. 25, 2014	Yes
Electrical Engineering Package	Dec. 15, 2014	Yes
Site Grading	Jan. 16, 2015	Yes
Foundations Complete	July 2015	Yes
Racking Complete	July 2015	Yes
Module Installation Complete	August 2015	Yes
Acceptance Testing Starts	September 2015	Yes
Substantial Project Completion	September 2015	Yes
Final Project Completion	Early 2016	Not yet
Final Landscaping	Spring 2016	Not yet



## PROJECT DIVIDED INTO 6 ZONES



# AERIAL VIEW OF ZONE 1





## AERIAL VIEW OF ZONE 2





## AERIAL VIEW OF ZONE 3





## AERIAL VIEW OF ZONE 4





## AERIAL VIEW OF ZONE 5





# AERIAL VIEW OF ZONE 6



## OPERATION OF THE PROJECT

- Project now fully operational and generating enough electricity for more than 17,000 Ontario homes
- Operations and Maintenance (O&M) to be performed by SMA Canada Inc. under a long-term contract
- Site staffed during daylight hours
- Permanent employees live in the Kingston area
- Most activities do not create much noise or road traffic
- Some activities may be subcontracted with local suppliers used if possible



## UPDATE RE BERM CONSTRUCTION AND LANDSCAPING

- Berm complies with consultants' drawings in all locations
- Landscaping work ongoing
- Number of trees ordered exceeds number in approved plan
- Trees that do not survive will be replaced under warranty
- One of the species (Grey Dogwood) was unavailable at the 1.75m height, necessitating substitution of the same species at a shorter height, with municipal approval
- IBI to visit site mid-November to review landscaping work

## DETAILED PLANT LIST - BUFFERS A AND B

### BUFFER A - VEGETATIVE BUFFER PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	COND	MATURE HEIGHT (m)	MATURE SPREAD (m)	MIN. O.C. SPACING (m)	QNTY.	QNTY. TOTAL
ac	<i>Amelanchier canadensis</i>	Serviceberry		175cm	B.B	6.0	5.0	2.0	4	107
cr	<i>Cornus racemosa</i>	Gray Dogwood		175cm	B.B	3.0	2.5	1.0	5	134
vt	<i>Viburnum trilobum</i>	High Bush Cranberry		175cm	B.B.	3.0	3.0	2.0	2	53
to	<i>Thuja occidentalis</i>	White Cedar		175cm	B.B	20.0	2.5	2.0	14	375
TOTAL									25	669

### BUFFER B - ENHANCED VEGETATIVE BUFFER PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	COND	MATURE HEIGHT (m)	MATURE SPREAD (m)	MIN. O.C. SPACING (m)	QNTY.	QNTY. TOTAL
BUFFER B										
ac	<i>Amelanchier canadensis</i>	Serviceberry		175cm	B.R.	6.0	3.0	2.0	7	157
cr	<i>Cornus racemosa</i>	Gray Dogwood		175cm	B.R.	3.0	2.5	1.0	7	157
vt	<i>Viburnum trilobum</i>	High Bush Cranberry		175cm	B.R.	3.0	3.0	2.0	3	68
to	<i>Thuja occidentalis</i>	White Cedar		175cm	B.R.	20.0	2.0	2.0	9	202
jv	<i>Juniperus virginiana</i>	Eastern Red Cedar		175cm	B.R.	16.0	3.0	2.0	8	180
TOTAL									34	764



## EXAMPLE OF VEGETATIVE BUFFER A



## DETAILED PLANT LIST – BUFFER C

### BUFFER C - ENHANCED VEGETATIVE BUFFER PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	CAL.	SIZE	COND	MATURE HEIGHT (m)	MATURE SPREAD (m)	MIN. O.C. SPACING (m)	QNTY.	QNTY. TOTAL	
BUFFER B											
ac	<i>Amelanchier canadensis</i>	Serviceberry		175cm	B.R.	6.0	3.0	2.0	7	273	
cr	<i>Cornus racemosa</i>	Gray Dogwood		175cm	B.R.	3.0	2.5	1.0	7	273	
vt	<i>Viburnum trilobum</i>	High Bush Cranberry		175cm	B.R.	3.0	3.0	2.0	3	47	
to	<i>Thuja occidentalis</i>	White Cedar		175cm	B.R.	20.0	2.0	2.0	9	351	
jv	<i>Juniperus virginiana</i>	Eastern Red Cedar		175cm	B.R.	16.0	3.0	2.0	8	312	
									TOTAL	34	736



## EXAMPLE OF VEGETATIVE BUFFER B



## LANDSCAPING PLAN – GROWTH OVER TIME



## ONGOING STORMWATER MANAGEMENT

- Permanent management features (e.g. check dams, sediment basins) now in place
- Grading completed too late in autumn for effective seeding
- Temporary measures (e.g. silt fences) will be used until seeding takes place in spring
- Stormwater management being monitored by independent firm Dillon Consulting Ltd. to ensure best practices followed and site in compliance with all regulations

## DECOMMISSIONING PLAN

- Site-specific decommissioning plan prepared by AMEC Environmental in 2012
- Plan is available on SRE's Kingston Solar website
- Plan covers in detail topic such as Above-Ground Decommissioning, Below-Ground Decommissioning, Environmental Protection During Decommissioning, Site Restoration and Agricultural Lands
- Decommissioning practices will follow all regulations in effect at the future date



## QUESTIONS AND CLARIFICATIONS



## CONTACT INFORMATION

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