

GREENSPARK  SOLAR

# Construction Progress Report

AC Power 9, LLC



GREENSPARK  SOLAR

Loyal to People. Loyal to Planet.

**DATE:** Friday, December 23rd, 2022

**PREPARED BY:** Jason Martin



## GreenSpark Solar - Project Team

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## KSI - Project Team

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## SAFETY

- All site workers must complete GreenSpark Solar Safety Training before commencing work.
- OSHA 30 for supervisors, and OSHA 10 for all site workers
- Proper PPE must be worn as required by task
- Site cleanliness is a top priority throughout this project
- JHA/JHA lead by GreenSpark Solar to be documented daily

## SUMMARY OF WORK COMPLETED WEEK OF 12/15/2022 – 12/22/2022

- Swale work(ongoing)
- Racking leveling pads(ongoing)
- Ballast Basket assembly(ongoing)
- Ballast Basket fill(ongoing)
- Racking assembly(ongoing)
- Module deliveries(ongoing)

## MAJOR COMPONENTS DELIVERY & INVENTORY

Material	Delivery Date	Inspection	Storage
Ballast Baskets - Hanwha	11/2/2022	50%	100%
Racking - Hanwha	11/2022	5%	100%
Ballast Baskets - REC	TBD 2022	5%	100%
Racking - REC	TBD 2022	5%	100%
DC Combiners	TBD 2022	0%	0%
Sungrow Inverters	TBD 2022	0%	100%
Hanwha Modules	November 2022	90%	100%
REC Modules	December 2022	0%	0%
AlsoEnergy DAS	March 2023	0%	0%
GOAB/Air Switch	TBD 2023	0%	0%
MV Transformer(s)	TBD 2022	0%	0%
AC Panelboard(s)	TBD 2023	0%	0%

## SITE CIVIL CONSTRUCTION

Task	% Complete Previous Report	
Erosion Controls	0%	100%
Temporary Road Installation	0%	100%
Leveling Pads	90%	99%
Equipment Pad Base Prep	0%	0%
Stabilized Entrance	0%	100%
Swale Culverts	96%	98%
Equipment Pad Base Prep	0%	0%
Concrete Washout	0%	0%
Temporary Road Restoration	0%	0%
Final Site Restoration & Seeding	0%	0%

## STRUCTURAL CONSTRUCTION

Task	% Complete Previous Report	% Complete to Date
Survey / Layout	100%	100%
Ballast Baskets	73%	88%
Ballast Basket Fill	7%	21%
Racking	53%	55%
Modules	0%	0%

## **ELECTRICAL CONSTRUCTION**

<b>Task</b>	<b>% Complete Previous Report</b>	<b>% Complete to Date</b>
Module Series Connections	0%	0%
DC Cable Trays Installed	0%	0%
DC Source Circuit Strings Pulled	0%	0%
DC Source Circuit String Terminations (Field)	0%	0%
DC Source Circuit String Terminations (Inverter)	0%	0%
DC Wire Management	0%	0%
Inverter Racks Installed	0%	0%
DC Combiners Installed	0%	0%
Inverters Installed	0%	0%
AC Cable Trays Installed	0%	0%
AC Output Circuits Pulled	0%	0%
AC Output Circuit Terminations (Inverter)	0%	0%
AC Output Circuit Terminations (Panelboard)	0%	0%
AC Panelboard Installed	0%	0%
MV Cable Trays Installed	0%	0%
MV Feeders Pulled	0%	0%
MV Feeder Terminations (AC Panelboard)	0%	0%
MV Feeder Terminations (Transformer)	0%	0%
Equipment Pad Installed	0%	0%
Transformer Installed	0%	0%
MV Output Circuit Conduit	0%	0%
MV Output Circuit Pulled	0%	0%

MV Output Circuit Terminations (X-Former)	0%	0%
MV Output Circuit Termination (NG Pole)	0%	0%
DAS & Communication Installed	0%	0%
Grounding Transformer Installed	0%	0%
Grounding Transformer Terminations	0%	0%

## ELECTRICAL CIVIL CONSTRUCTION

Task	% Complete Previous Report	% Complete to Date
Equipment Pads	0%	0%

## UTILITY CONSTRUCTION

Task	% Complete Previous Report	% Complete to Date
Recloser Pole	0%	0%
Recloser	0%	0%
Metering Pole	0%	0%
Metering CT's	0%	0%

## INSPECTIONS

Inspection	Inspected By	Frequency	Pass / Fail	Date
Electrical (PV & Final)	3 <sup>rd</sup> Party Inspector	1x	-	-
Building Permit Closeout	Town of Verona	1x	-	-
Witness Test	National Grid	1x	-	-

## QUALITY CONTROL

Quality Control Measure	Performed By	Date Range
Visual Inspections & Documentation	GreenSpark	Ongoing
Ballast & Racking Installation	TBD & GreenSpark	TBD
Module Installation	TBD & GreenSpark	TBD
IRT/Megger	GreenSpark	TBD
HiPot/VLF	MV Subcontractor (TBD)	TBD
Grounding Continuity	GreenSpark	TBD
Open-Circuit Voltage	GreenSpark	TBD
Short Circuit Current	GreenSpark	TBD
IV-Curve Tracing	GreenSpark	TBD

## LOOKING FORWARD

- Module Delivery Completion
- Module install
- Racking assembly
- Swale work(completion)
- Racking leveling pads(completion)
- Ballast Basket assembly(ongoing)





























## HISTORICAL & FORECASTED WEATHER DATA

# GREENSPARK SOLAR

December ▼


























2022 ▼

View

SUN	MON	TUE	WED	THU	FRI	SAT
<p>27</p>  <p>Scattered Showers</p> <p>51°</p> <p>33°</p>  <p>0 in</p>	<p>28</p>  <p>Cloudy</p> <p>48°</p> <p>32°</p>  <p>0.58 in</p>	<p>29</p>  <p>Cloudy</p> <p>34°</p> <p>29°</p>  <p>0 in</p>	<p>30</p>  <p>Rain/Wind</p> <p>50°</p> <p>28°</p>  <p>0.2 in</p>	<p>1</p>  <p>AM Snow Showers</p> <p>36°</p> <p>25°</p>  <p>0.2 in</p>	<p>2</p>  <p>Partly Cloudy</p> <p>43°</p> <p>34°</p>  <p>0 in</p>	<p>3</p>  <p>Rain</p> <p>51°</p> <p>33°</p>  <p>0.39 in</p>
<p>4</p>  <p>Partly Cloudy</p> <p>37°</p> <p>25°</p>  <p>0 in</p>	<p>5</p>  <p>Partly Cloudy</p> <p>38°</p> <p>29°</p>  <p>1 in</p>	<p>6</p>  <p>Showers</p> <p>42°</p> <p>34°</p>  <p>0.2 in</p>	<p>7</p>  <p>AM Snow Showers</p> <p>37°</p> <p>20°</p>  <p>0.1 in</p>	<p>8</p>  <p>Partly Cloudy</p> <p>32°</p> <p>17°</p>  <p>0 in</p>	<p>9</p>  <p>Partly Cloudy</p> <p>30°</p> <p>19°</p>  <p>0 in</p>	<p>10</p>  <p>Partly Cloudy</p> <p>33°</p> <p>21°</p>  <p>0.1 in</p>



# GREENSPARK SOLAR

<p>11</p>  <p>AM Snow Showers</p> <p><b>35°</b></p> <p><b>25°</b></p>  <p>0.6 in</p>	<p>12</p>  <p>Snow Showers</p> <p><b>34°</b></p> <p><b>25°</b></p>  <p>2.4 in</p>	<p>13</p>  <p>Snow Showers</p> <p><b>35°</b></p> <p><b>24°</b></p>  <p>1 in</p>	<p>14</p>  <p>AM Snow Showers</p> <p><b>35°</b></p> <p><b>23°</b></p>  <p>0.3 in</p>	<p>15</p> <p><b>35°</b></p> <p><b>17°</b></p>  <p>0.3 in</p>	<p>16</p> <p><b>35°</b></p> <p><b>16°</b></p>  <p>0.4 in</p>	<p>17</p> <p><b>35°</b></p> <p><b>16°</b></p>  <p>0.4 in</p>
<p>18</p> <p><b>34°</b></p> <p><b>16°</b></p>  <p>0.4 in</p>	<p>19</p> <p><b>34°</b></p> <p><b>15°</b></p>  <p>0.4 in</p>	<p>20</p> <p><b>34°</b></p> <p><b>15°</b></p>  <p>0.4 in</p>	<p>21</p> <p><b>33°</b></p> <p><b>15°</b></p>  <p>0.4 in</p>	<p>22</p> <p><b>33°</b></p> <p><b>14°</b></p>  <p>0.4 in</p>	<p>23</p> <p><b>33°</b></p> <p><b>14°</b></p>  <p>0.4 in</p>	<p>24</p> <p><b>33°</b></p> <p><b>14°</b></p>  <p>0.4 in</p>
<p>25</p> <p><b>32°</b></p> <p><b>13°</b></p>  <p>0.5 in</p>	<p>26</p> <p><b>32°</b></p> <p><b>13°</b></p>  <p>0.5 in</p>	<p>27</p> <p><b>32°</b></p> <p><b>13°</b></p>  <p>0.5 in</p>	<p>28</p> <p><b>32°</b></p> <p><b>13°</b></p>  <p>0.5 in</p>	<p>29</p> <p><b>32°</b></p> <p><b>12°</b></p>  <p>0.5 in</p>	<p>30</p> <p><b>31°</b></p> <p><b>12°</b></p>  <p>0.5 in</p>	<p>31</p> <p><b>31°</b></p> <p><b>12°</b></p>  <p>0 in</p>

## Construction Photos Week Ending 12/22/22



Site Overview



Site Overview



Leveling Pads



Leveling Pads



Basket Assembly/Fill



Basket Assembly/Fill



## Construction Photos Week Ending 12/22/22



Racking Assembly



Racking Assembly



Module Delivery



Module Delivery



Swale Work



Swale Work