

Posey Solar Project

Project Overview & Fire Safety Plan



Posey Solar Project

Project Overview

- 300 megawatts under contract with an Indiana utility
- 3,000 acres under lease in Marrs Township
- Connection to AB Brown-Gibson transmission line
- Will adhere to requirements in Posey County's solar zoning ordinance, which includes:
 - Safety and security plan
 - Transportation plan
 - Decommissioning plan
 - Economic development agreement
- \$264 million investment in Posey County
- Timeline:
 - 2021: Local agreements, engineering and permitting, final approvals
 - 2022: Construction start
 - 2023: Operational (35-year life)

General Project Location

More specific site plan in progress; to be released in next few weeks



Typical Solar Plant Layout



Typical Solar Plant Layout



Typical Solar Plant Layout



Monitored Points

Real-time Equipment Alarms, Sensors, Data Validation

Large Scale Solar is VERY LOW FIRE RISK!

- All equipment is grounded individually!
- Multiple isolation points; various alarms and multiple monitoring locations
- Continuous remote and local monitoring
 - There is 24x7 remote monitoring done by the O&M provider's Operations Center that coordinates with the field technicians and site manager
 - Local technicians are present on site during operational hours of a solar plant and can go to the solar plant during emergencies.
- Past the construction and infancy stage of the project, chance of fire is near negligible
- There is NO need for additional fire safety equipment for the fire department

Thoughts on making moving this to before current slide 4? It seems like a good overview and natural fit before the layouts on slides 4-6

Safety Measures & Tasks for Owner & Operator

- Establish relationship with the fire department
 - Coordination with various fire departments if project location is managed by different areas
 - Identify the entry and exit points into the sites for different regions
 - Coordinate locks for each entry and exit point
- Schedule annual fire drills with each department
- Continued communication
- Planning for fire 'season' and understanding shift/captain rotation
- Fire Prevention Plan
- Emergency Action Plan
- Continuous training for the O&M team

Fire Prevention Requirements

- All service vehicles shall be equipped with an appropriately sized fire extinguisher
 - \circ $\;$ Ensure fire extinguishers are visually inspected monthly and readily available
- Trash & debris should be removed from your work location as often as necessary to avoid any stockpiling of combustible material
- Smoking (including E-Cigarettes & personal vaporizers) is prohibited
 onsite
- As much as possible, mowing should be conducted when moisture content of the vegetation is <u>high</u>
- Off-road vehicle operations (outside of gated arrays & off of the access roads) is not allowed without prior discussion with the FS O&M
- Parking vehicles on areas with vegetation is prohibited
- All flammable and ignitable material kept on site shall be stored in an approved Flammable Cabinet







Fire Prevention Measures – Lessons Learned

• Electrical/Hot Work

- Every activity on site has a job plan and an associated categorization of the fire hazard risk.
 - Example: No hot work is allowed at one of California sites unless it's performed using a Hot Work Permit in accordance with the FS EHS Hot Work Procedure
 - If hot work is being performed within <u>50 feet</u> of a perimeter fence, a fire watch & a water truck need to be stationed on both sides of the fence
- If possible, increase the radius for spraying growth inhibiting herbicides around electrical components. Work with local authorities to get approval for extended spraying around combiner boxes, inverters and transmission poles.
- Regular discussion with Local Fire Departments & AHJs on best practices.
- All O&M technicians carry a fire extinguisher and shovel in case there is any small fire.
- Highlights of Fire Prevention Plan included in site orientation for contractors/visitors & comprehensive E-learning module developed for initial and annual refresher training



NOTE: hot work is defined as any work performed that generates sufficient heat to cause surrounding combustible materials or objects to ignite or potentially ignite (i.e. welding, grinding, or working with any open flames)



Emergency Action Plan

- Incorporates clear & detailed guidance for fire response scenarios:
 - Response for Incipient vs. Post-Incipient fire
 - Clarifies the notification process and included guidance in the event 911 is not reachable
 - Guidance for maintaining a perimeter around equipment fires vs. fighting the fire
 - Includes an access road map
 - Would contain a drawing of the O&M building to identify locations of emergency response equipment as well as flammable material storage locations
- Site orientation training is updated to match changes in EAP regularly.



Ross, Timberly <TRoss@tenaska.com> From:

Monday, March 1, 2021 5:37:17 PM Sent on:

- To: Rick Williamson <rw1253@gmail.com>; Jay Price <jay47620@gmail.com>; Wes Dixon <wdixon@mountvernon-in.com>
- Pitts, Jarrod <JPitts@tnsk.com>; Garima Kalra <gkalra@arevonenergy.com>; Anand Narayanan <ANarayanan@arevonenergy.com>; Stacy Wagner <swagner@Goodstewardconsulting.com>; Richard CC: Welch <RJ.Welch@Goodstewardconsulting.com>; Jenna Richardt <jenna.richardt@pcedp.com>

Subject: Posey Solar Project updates

Attachments: Posey statement re site plan March 2 2021.pdf (172.97 KB), 2021-02-25 Posey Solar Conceptual Site Plan RevA Aerial.pdf (2.03 MB)

I want to thank you again for taking the time to talk to our team about the Posey Solar Project. We felt the conversation was insightful, and we hope you felt the same. We have received the guestions you provided to Stacy and/or Jenna. We are working on answers. In the meantime, we have some additional information to share with you.

Attached is the preliminary site plan for the project, which shows where solar panels and related equipment will be located. It is early in development to have a site plan of this detail, but we recognize the community need to provide this now. The other attached document includes details about additional setbacks we have volunteered and other important information about the solar project. We heard the request from the Marrs Township fire department to commit toward training and funding over the life of the project, and we have discussed this with county leaders in relation to the project's economic development agreement. I am pleased to tell you that Posey Solar Project is committing in the economic development agreement to:

- Training up to twice a year with the local fire departments over the operational life of the project.
- operational life.

• Upon commercial operation of the project, \$25,000 will be provided to Marrs Township fire department for any needed equipment. A sum of \$5,000 will be paid to Marrs Township fire department each year thereafter during the project's We hope these commitments - in writing in the economic development agreement - illustrate our intent to be a good neighbor and to work with you. This economic development agreement is the subject of the March 9 public hearing and still needs to be voted on by the County Council and County Commissioners. Separately from that, the county has made us aware that there are some challenges with the local emergency radio communications system, and that more communications towers are needed for reliable radio traffic for police, fire departments and

other first responders. Posey Solar Project will be contributing toward that effort.

Thank you again for your openness in talking about this project and for your service to Posey County.

Timberly

Timberly Ross Public Relations Tenaska Office: 402-691-9517 Cell: 402-669-4073

Ross, Timberly <TRoss@tenaska.com> From:

Tuesday, March 9, 2021 2:23:35 PM Sent on:

- Rick Williamson <rw1253@gmail.com>; Jay Price <jay47620@gmail.com>; Wes Dixon <wdixon@mountvernon-in.com> To:
- Pitts, Jarrod <JPitts@tnsk.com>; Garima Kalra <gkalra@arevonenergy.com>; Anand Narayanan <ANarayanan@arevonenergy.com>; Stacy Wagner <swagner@Goodstewardconsulting.com>; Richard CC: Welch <RJ.Welch@Goodstewardconsulting.com>; Jenna Richardt <jenna.richardt@pcedp.com>; Joshua Chavez <JChavez@arevonenergy.com>

RE: Posey Solar Project updates Subject:

Attachments: Fire Dept. Response - 2021.03.05.pdf (327.58 KB), Fire Prevention Plan Rev00 Redacted.pdf (1.51 MB)

Our team did promise you feedback on some of the guestions you came to the meeting with and the follow-up requests. We appreciate your patience as we pulled this together. The attached document includes these answers, as well as the safety plan that was requested.

If you have other questions, please don't hesitate to reach out.

From: Ross, Timberly Sent: Monday, March 1, 2021 11:37 AM To: Rick Williamson <rw1253@gmail.com>; Jay Price <jay47620@gmail.com>; Wes Dixon <wdixon@mountvernon-in.com> Cc: Pitts, Jarrod <JPitts@tnsk.com>; Garima Kalra <GKalra@arevonenergy.com>; 'Anand Narayanan' <ANarayanan@arevonenergy.com>; Stacy Wagner <swagner@Goodstewardconsulting.com>; 'Richard Welch' <RJ.Welch@Goodstewardconsulting.com>; Jenna Richardt <jenna.richardt@pcedp.com> Subject: Posey Solar Project updates

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Thank you again for your openness in talking about this project and for your service to Posey County.

Timberly

Timberly Ross Public Relations Tenaska Office: 402-691-9517 Cell: 402-669-4073

Ross, Timberly <TRoss@tenaska.com> From:

Sent on: Tuesday, March 16, 2021 6:01:37 PM

Holven, Adam <adam.holven@tetratech.com>; Loftus, Ryan <rloftus@tenaska.com> To:

Pitts, Jarrod <JPitts@tnsk.com>; Joshua Chavez <JChavez@arevonenergy.com>; Finocchiaro, Joseph <jfinocchiaro@TENASKA.com>; mary solada <mary.solada@dentons.com> CC:

Subject: RE: Posey County Fire Department Communications

 \triangle CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. \triangle

See in red below

From: Holven, Adam <adam.holven@tetratech.com> Sent: Tuesday, March 16, 2021 11:25 AM To: Ross, Timberly <TRoss@tenaska.com>; Loftus, Ryan <RLoftus@TENASKA.com> Cc: Pitts, Jarrod <JPitts@tnsk.com>; Joshua Chavez <JChavez@arevonenergy.com>; Finocchiaro, Joseph <ifinocchiaro@TENASKA.com>; mary solada <mary.solada@dentons.com> Subject: RE: Posey County Fire Department Communications

» EXTERNAL EMAIL «

Hi Timberly,

I have reviewed the provided correspondence and have some additional questions.

- Feb. 18 presentation to fire department
 - Who else was in attendance from Project side? Garima Kalra, Josh Chavez and Anand Nayarana from Arevon and myself joined virtually; in person were: local project representative Stacy Wagner, our Gibson County local representative Rick Reed (he is a respected member of the fire-fighting community) and RJ Welch from Good Steward (our PR consultant)
- March 1 follow-up email 1
 - The email indicates that following:
 - We have received the questions you provided to Stacy and/or Jenna. We need those questions for our outreach activity log. See email 2
 - Additional information was provided what prompted additional information to be sent? Was that addressing the aforementioned questions? We are being responsive to questions that were provided to us (to quell fire risk-related) concerns and opposition). All responses are in the March 9 follow-up email.
- March 9 follow-up email 2
 - Are the attachments from the questions referenced in the March 1 email? Correct

Thanks, Adam

From: Ross, Timberly <TRoss@tenaska.com> Sent: Tuesday, March 16, 2021 9:19 AM To: Loftus, Ryan <rloftus@tenaska.com> Cc: Pitts, Jarrod <<u>JPitts@tnsk.com</u>>; Joshua Chavez <<u>JChavez@arevonenergy.com</u>>; Holven, Adam <<u>adam.holven@tetratech.com</u>>; Finocchiaro, Joseph <<u>jfinocchiaro@TENASKA.com</u>>; mary solada <<u>mary.solada@dentons.com</u>>; Subject: RE: Posey County Fire Department Communications

▲ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ▲

I think the attached will cover our communications with the fire departments. This includes:

- Feb. 18 presentation to fire department
- March 1 follow-up email 1
- March 9 follow-up email 2

From: Loftus, Ryan <RLoftus@TENASKA.com> Sent: Friday, March 12, 2021 9:03 AM To: Ross, Timberly <TRoss@tenaska.com> Cc: Pitts, Jarrod <JPitts@tnsk.com>; Joshua Chavez <JChavez@arevonenergy.com>; Adam C. Holven (adam.holven@tetratech.com) <adam.holven@tetratech.com>; Finocchiaro, Joseph <ifinocchiaro@TENASKA.com>; mary solada <mary.solada@dentons.com> Subject: RE: Posey County Fire Department Communications

Timberly,

Thanks, these communications will count as "Coordination with Applicable Entities" under the ordinance. Please provide the following information so we can include in the summary report TT is creating as part of our application to be submitted on 3/19.

- Date of communication(s)
- Content (introductory, discussion of any specific items or issues, any action items, etc.)
- We may need a record of communication to build our backlog (phone numbers/logs, emails, meeting invitations, etc.). However, we don't need that specifically by the date we plan to file the Development Plan Application. If asked by the county, we'll need to provide record.

Regards, Ryan

From: Ross, Timberly <<u>TRoss@tenaska.com</u>> Sent: Thursday, March 11, 2021 5:03 PM To: Loftus, Ryan <<u>RLoftus@TENASKA.com</u>> Cc: Pitts, Jarrod <<u>JPitts@tnsk.com</u>>; Joshua Chavez <<u>JChavez@arevonenergy.com</u>>; Adam C. Holven (<u>adam.holven@tetratech.com</u>) <<u>adam.holven@tetratech.com</u>>; Finocchiaro, Joseph <<u>jfinocchiaro@TENASKA.com</u>>; mary solada <<u>mary.solada@dentons.com</u>> Subject: RE: Posey County Fire Department Communications

No. We typically don't even talk to fire departments this early but needed to do so to combat misinformation about fire risk.

From: Loftus, Ryan <<u>RLoftus@TENASKA.com</u>> Sent: Thursday, March 11, 2021 4:52 PM To: Ross, Timberly <<u>TRoss@tenaska.com</u>> Cc: Pitts, Jarrod <<u>JPitts@tnsk.com</u>>; Joshua Chavez <<u>JChavez@arevonenergy.com</u>>; Adam C. Holven (<u>adam.holven@tetratech.com</u>) <<u>adam.holven@tetratech.com</u>>; Finocchiaro, Joseph <<u>jfinocchiaro@TENASKA.com</u>>; mary solada <<u>mary.solada@dentons.com</u>> Subject: RE: Posey County Fire Department Communications

Thanks Timberly. Has there been any communication with Posey County EMA (Larry Rob in Mt Vernon)?

From: Ross, Timberly <<u>TRoss@tenaska.com</u>> Sent: Thursday, March 11, 2021 4:40 PM To: Loftus, Ryan <<u>RLoftus@TENASKA.com</u>>; mary solada <<u>mary.solada@dentons.com</u>> Cc: Pitts, Jarrod <<u>JPitts@tnsk.com</u>>; Joshua Chavez <<u>JChavez@arevonenergy.com</u>>; Adam C. Holven (<u>adam.holven@tetratech.com</u>) <<u>adam.holven@tetratech.com</u>>; Finocchiaro, Joseph <<u>jfinocchiaro@TENASKA.com</u>>; Subject: RE: Posey County Fire Department Communications

We've talked to these fire departments:

Rick Williamson, Chief, Marrs Township Volunteer Fire Department rw1253@gmail.com

Jay Price Fire Chief, Black Township Fire and Rescue iav47620@gmail.com Cell: <u>812-307-0247</u>

Wex Dixon Mt Vernon Indiana Fire Chief wdixon@mountvernon-in.com From: Loftus, Ryan <<u>RLoftus@TENASKA.com</u>> Sent: Thursday, March 11, 2021 3:00 PM To: Ross, Timberly <TRoss@tenaska.com>; mary solada <mary.solada@dentons.com> Cc: Pitts, Jarrod <<u>JPitts@tnsk.com</u>>; Joshua Chavez <<u>JChavez@arevonenergy.com</u>>; Adam C. Holven (<u>adam.holven@tetratech.com</u>) <<u>adam.holven@tetratech.com</u>>; Finocchiaro, Joseph <<u>ifinocchiaro@TENASKA.com</u>> Subject: Posey County Fire Department Communications

Timberly, Mary,

As part of the Posey project notifications as required by ordinance's Development Plan Application, who have we been in contact with at the local Fire Department(s)? Depending on the nature of any communication/coordination, we then need to assess if we need to send them the respective letter we are drafting as required by the ordinance.

Thanks, Ryan