



Emergency Response Plan Strategy

This document is to provide a high level description of the Emergency Response Plan (ERP) and the process used by the Asset Management teams at EDPR NA Distributed Generation (EDPR). Plans are typically generated while the site is under construction and submitted to the appropriate authorities that need this information. The completed plan for a project is site specific and will include details and photos that pertain only to that site.

Strategy

Site safety and the safe operation of our solar projects is a paramount importance to EDPR. If we feel a site is unsafe for any reason, it is a top priority for us to fix that deficiency. If the correction needs time to implement we are prepared to render the site offline and disconnect equipment to ensure safety is not sacrificed while a repair is implemented.

In order to respond to a site emergency we have a multi-layer approach. First is for whomever discovers the emergency to contact 911. We have signs posted at every site with this instruction. We also contract Operation and Maintenance (O&M) providers to be our on site crews to make normal site repairs as needed. As we select the O&M provider we put a heavy emphasis on hiring as local as possible to shorten drive times. In these O&M contracts we include required response times based on event types and for emergencies we have found a maximum of 8 hours (any time or any day of the week) is an appropriate time. Since we are not the first responder we don't need to be onsite within minutes but we do need to be on site to ensure the site is in a safe state.

Our immediate support is to the first responders, typically the fire department. We post contact numbers at the sites to 24x7 call centers that can reach our key personnel in the event of an emergency. Likewise if we are made aware of an emergency we have a database that is filled out before a site is operational with the long distance phone number needed to contact the 911 center that services each project so we can also contact the first responders.

Hazards

Solar panels, located throughout the project, convert sunlight to electricity. The process involves solid-state technology that consumes no materials and is completely self-contained. As such, the primary concern for first responders is exposure to electrical components that present a hazard to electric shock.

During a response, it should be assumed that:

- All solar equipment on site contains lethal AC and DC voltages;
- All inverters contain energy storage devices that require 15 minutes to safely discharge lethal voltages;
- Electricity is supplied from multiple sources; and
- The site should only be accessed by personnel or emergency responders under the direction of the EDPR.

The following are the most hazardous locations within the Project:

- Inverters and disconnects
- Vicinity of the solar electric photovoltaic panels
- Field wiring, collection lines, and all electrical boxes associated with the system
- Overhead power lines from the utility



Fire Response

In the event of a fire, the individual discovering the emergency shall:

1. Assess the situation to determine potential safety concerns to life and the environment, with life safety as the priority.
2. Notify the appropriate local authorities by dialing 911 and direct them to the projects location.
3. If local authorities have questions they should contact EDPR to determine the appropriate response.

Upon arrival to the Project, responders shall:

1. Evacuate and secure the area and keep people a minimum of 300 feet away, provided there are no immediate threats to people or non-solar property.
2. Let the facility burn. Burning electrical equipment is already damaged and must be replaced.
3. Protect adjacent exposures, such as homes and forested areas, as needed, to limit the potential of the fire spreading.
4. If fire must be suppressed within the array fence line, EDPR can provide guidance to local authorities on how to proceed.

The following are the most important considerations when responding to a fire or other emergency at the Project:

- Solar and substation components are always hot and should always be considered electrically energized. DC voltage is always present, even at night.
- Identify and validate the hazard in order to minimize injury.
- All electrical components produce gas during combustion. All responders should wear proper PPE for their safety
- Before committing apparatus to the access roads within any of the fenced panel array enclosures, understand that turn arounds will often be well over 1,000 feet away. Backing into the project may be advisable.
- Under the direction of EDPR, isolate or shutdown the electrical power at the site of the fire, if possible.
- Do not assume the system is de-energized and do not attempt to de-energize any equipment without direction.
- Many solar projects include remote utility control, responders should also contact the local utility for them to remotely disconnect the feeder servicing the project.
- Leave the scene in a safe condition after mitigating hazards.

Natural Disasters

Severe weather events such as snowstorms, hurricanes, and tornadoes are possible at the project. Although much less common, there is also the potential for minor earthquakes, flooding or high wind Events. These events should have limited impact on the project site. The project is designed and constructed to withstand the extreme weather likely to occur at the project site (e.g. high winds, hail, lightning, snowstorms, etc.). After an extreme weather event, EDPR will evaluate all equipment for damages and repair, as necessary.



Public Safety

Access to the Project is limited to trained staff and maintenance personnel only.

Solar panel arrays are surrounded by a seven-foot-tall chain link fence per requirements of the National Electric Safety Code (NESC). Access to the Project site occurs through gates in the chain-link fence that are secured with a padlock, and EDPR personnel have access to the project. As needed, Knox Box or daisy chain type locks may be installed at each gate to allow for Utility and First Responder access.

Szczepanski, Jack

From: Captain One <captain1@wcf.d.net>
Sent: Wednesday, January 24, 2024 1:21 PM
To: Szczepanski, Jack
Subject: RE: [EXTERNAL] RE: Emergency Response Plan

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi John
I apologize for not getting back to you sooner.

I have reviewed your Emergency response plan.
I have no problems with it.

What I would ask is at some point that we could have a training at the site and go over the plan, when the



weather warms up.
Specifically what we would like to see is what we as first responders can and cannot do and when we can and can't do things.
Typically Firefighters and Police are doers. We don't like to stand around if something can be done.
Doing something maybe something as simple as making a phone call and stand back to wait for others to arrive.

We can discuss this more when we get closer.

Thanks Bob

---- On Fri, 19 Jan 2024 16:55:08 -0500 **Szczepanski, Jack** <jszczepanski@trccompanies.com> wrote ---

It's all good...sorry about the duplicate email...I just got this one.

John (Jack) Szczepanski, PhD
Senior Ecologist



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From: Captain One <captain1@wcfid.net>
Sent: Friday, January 19, 2024 4:25 PM
To: Szczepanski, Jack <jszczepanski@trccompanies.com>
Subject: [EXTERNAL] RE: Emergency Response Plan

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Jack
Never mind, I found it attached at the bottom. I didn't go down far enough.

Thanks Bob

----- On Fri, 19 Jan 2024 16:20:25 -0500 **Captain One** <bmann@wcfid.net> wrote ---

Hi John.

There is nothing attached to this email.

We can certainly share this plan with them.

Stay warm this weekend.

Bob

----- On Thu, 18 Jan 2024 14:16:25 -0500 **Szczepanski, Jack** <jszczepanski@trccompanies.com> wrote ---

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Hi Bob,

Should we also get West Greenwich's input as well since the property is on the WG border and emergency response may involve them as well?

John (Jack) Szczepanski, PhD
Senior Ecologist



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From: Szczepanski, Jack
Sent: Thursday, January 18, 2024 12:03 PM
To: 'bmann@wcf.net' <bmann@wcf.net>
Cc: NICA GOLDSTEIN <NICA.GOLDSTEIN@EDP.COM>
Subject: Emergency Response Plan

Hi Bob,

It was nice speaking with you today. As discussed, I would appreciate you looking over the ERP for the MooCow Solar installation and providing feedback. Thanks.

John (Jack) Szczepanski, PhD
Senior Ecologist



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