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RWE Renewables Americas, LLC
701 Brazos Street
Suite 1400
Austin, TX 78701 U.S.A.
www.rwe.com

April 18, 2022

Public Utility Commission of Texas
1701 N. Congress Avenue, P.O. Box 13326
Austin, TX 78711-3326
Attn: Filing Clerk

Re: Project No. 53385: Emergency Operations Plan for PGC Entities of RWE Renewables Americas, LLC

Dear Filing Clerk:

In accordance with 16 Tex. Admin. Code §25.53, as amended by order of the Commission issued February 25, 2022 in Project No. 51841, RWE Renewables Americas, LLC (RWERA) hereby submits its Emergency Operations Plan (EOP). RWERA's entire EOP applies to each of the wholly-owned subsidiaries of RWERA which have Power Generation Company (PGC) registrations approved by the PUCT ("RWE Generators"), listed in the Executive Summary contained herein.

This submission includes the following:

- Executive Summary describing the contents and policies set forth in the EOP including: references to specific portions of the EOP which correspond with the requirements of Rule §25.53, list of PGC entities, and a designation of emergency contacts;
- Affidavit from the RWE Generators' highest-ranking officer; and
- Complete copy of the EOP with confidential portions redacted.

RWERA is submitting an unredacted version of the EOP to ERCOT pursuant to §25.53(c)(1)(B). RWERA has not yet completed the newly-enacted requirement for a "record of distribution" pursuant to §25.53(c)(4)(A), and will include the required record in subsequent versions of its EOP after implementing a program to track and log personnel EOP training and incident management system training.

If you have any questions regarding this filing, please feel free to contact me.

/s/ Paul Varnado
Paul Varnado
Assistant General Counsel
RWE Renewables Americas, LLC
353 N. Clark St, 30th Floor
Chicago, IL 60654
Paul.varnado@rwe.com

EXECUTIVE SUMMARY

Emergency Operations Plan: RWE Renewables Americas, LLC

April 14, 2022

Description of Contents and Policies

Since 2008, RWERA has implemented a comprehensive Emergency Operations Plan (EOP) for the electric generation facilities it owns and operates. RWERA's EOP is administered and maintained by the company's Health, Safety, Security & Environmental (HSE) Department, with input and approval from relevant personnel and executives in other departments.

RWERA's EOP is intended to serve as the governing policy for actions and communications during an emergency response to a disaster or catastrophe. In order to responsibly serve our communities, RWERA must be able to respond efficiently and professionally to emergency situations, restore lost electrical utility services as rapidly as possible, and return our generation facilities to normal working conditions. RWERA's EOP addresses both common operational functions that are relevant across emergency types and specific responses to specific types of emergencies.

RWERA's EOP consists of the following content: responsibilities and authority for implementing and administering the EOP; a communications plan; extreme weather plans; a pandemic plan; requirements for drills and personnel training on emergency preparedness; safety and security plans; emergency assistance and local resources information; and references to additional external and internal documents and resources.

RWERA's entire EOP applies jointly to each of the following entities which own and operate wind and solar generation and battery storage facilities in Texas:

Power Generation Company (PGC)	Registration Number
Anacacho Wind Farm, LLC	20291
Big Star Solar, LLC	20649
Blackjack Creek Wind Farm, LLC	20650
Bruening's Breeze Wind Farm, LLC	20432
Champion Wind Farm, LLC	20182
Colbeck's Corner Wind Farm, LLC	20373
Cranell Wind Farm, LLC	20540
El Algodon Alto Wind Farm, LLC	20648
Panther Creek Wind Farm I & II LLC	20208
Panther Creek Wind Farm Three LLC	20239
Forest Creek Wind Farm, LLC	20166

Grandview Wind Farm, LLC	20325
Inadale Wind Farm, LLC	20207
Magic Valley Wind Farm, LLC	20278
Papalote Creek I, LLC	20238
Papalote Creek II, LLC	20255
Peyton Creek Wind Farm, LLC	20528
Pyron Wind Farm, LLC	20209
Raymond Wind Farm, LLC	20562
Roscoe Wind Farm, LLC	20180
Sand Bluff Wind Farm, LLC	20165
Stella Wind Farm, LLC	20469
West of The Pecos Solar, LLC	20524
West Raymond Wind Farm, LLC	20559

References to Specific Requirements of Rule §25.53

Rule §25.53 Subsection	Required Content	RWERA EOP Citation
(d)(1)(A)	EOP introduction and Applicability	§§1.1-1.6
(d)(1)(B)	Responsible individuals	§1.2
(d)(1)(C)	Revision control summary	§10
(d)(1)(D)	Statement that current EOP supersedes previous EOPs	§10
(d)(1)(E)	States the date EOP was most recently approved	§10
(d)(2)(B)	Communication Plan	§3.0
(d)(3)	Supplies for emergency response	§§2.5.2.3, 8.0; Annex E
(d)(4)	Staffing for emergency response	§§2.1-2.5
(d)(5)	Weather-related hazard plans	§2.7, 4.1; Annex A; Annex E
(e)(2)(A)	Weather Emergency Annex	Annex A
(e)(2)(B)	Water Shortage Annex	Not Applicable to wind/solar generators
(e)(2)(C)	Restoration of Service Annex	Annex C
(e)(2)(D)	Pandemic and Epidemic Annex	Annex D
(e)(2)(E)	Hurricane Annex	Annex E
(e)(2)(F)	Cyber security annex	Annex F
(e)(2)(G)	Physical security annex	Annex G

Emergency Contacts: All RWERA Sites

Primary Contact

RWERA Austin Dispatch Center



Backup Contact

Head of Market Operations and Compliance



AFFIDAVIT

BEFORE ME, the undersigned authority on this 14th day of April, 2022, personally appeared Silvia Ortín Rios who being me duly sworn on oath deposed and said:

1. My name is Silvia Ortín Rios. My position with RWE Renewables Americas, LLC (RWERA) is Chief Executive Officer (CEO) & Chief Operating Officer (COO) Onshore Wind and Solar Americas. In that position, I am the highest-ranking representative, official or officer and have binding authority for each RWERA entity which is a Power Generation Company (PGC) registered with the Public Utility Commission of Texas.
2. Relevant operating personnel at RWERA are familiar with and have received training on the applicable contents and execution of the EOP, and such personnel are instructed to follow the applicable portions of the EOP except to the extent deviations are appropriate as a result of specific circumstances during the course of an emergency.
3. RWERA's EOP has been reviewed and approved by the appropriate executives.
4. Drills are regularly conducted to the extent required by §25.53(f).
5. RWERA's EOP or an appropriate summary is distributed to local jurisdictions as needed.
6. RWERA maintains a business continuity plan that addresses returning to normal operations after disruptions caused by an incident.
7. RWERA's emergency management personnel who are designated to interact with local, state, and federal emergency management officials during emergency events will receive the latest IS-100, IS-200, IS-700, and IS-800 National Incident Management System training.

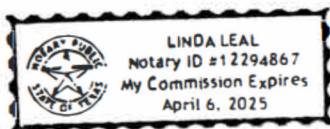
Signature: _____

Signatory: Silvia Ortín Rios

Title: CEO & COO, Onshore Wind and Solar Americas

SUBSCRIBED AND SWORN TO BEFORE ME the undersigned authority on this the 14th day of April, 2022.

STATE OF TEXAS
COUNTY OF TRAVIS



Notary Public in and for the State of Texas


	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	1 of 45

Table of Contents

- 1.0 Introduction**
- 2.0 Emergency Operations Plan Administration**
- 3.0 Communications Plan**
- 4.0 Plant Weatherization**
- 5.0 Pandemic Plan**
- 6.0 Drills**
- 7.0 Safety & Security**
- 8.0 Assistance & Resources**
- 9.0 References**
- 10.0 Document Change Log**

Appendices


- Appendix 1: Emergency Management Committee and Support Departments Contacts List
- Appendix 2: HSE.P-002 Incident Escalation Process Flowchart
- Appendix 3: Affidavit of Compliance with P.U.C. Substantive Rule § 25.53
- Appendix 4: ICS Form 207, Incident Organization Chart Form

Attachments

- HSE.F.P-011.A, EAP Site Satellite Phone Dial-in Numbers
- HSE.P-011.A.ANA, Wind Farm Site Emergency Action Plan: Anacacho
- HSE.P-011.A.BB, Wind Farm Site Emergency Action Plan: Bruenning'sBreeze
- HSE.P-011.A.CHP, Wind Farm Site Emergency Action Plan: Champion

HSE.P-002 (HSE.P-021.A.25)

To ensure you have a current version of this document, go to: [RWE RA SharePoint](#). If printed and not bound in a controlled manual, this document becomes a reference copy.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	2 of 45

HSE.P-011.A.COCO, Wind Farm Site Emergency Action Plan: Colbeck's Corner

HSE.P-011.A.CRA, Wind Farm Site Emergency Action Plan: Cranell

HSE.P-011.A.FC, Wind Farm Site Emergency Action Plan: Forest Creek

HSE.P-011.A.GVW, Wind Farm Site Emergency Action Plan: Grandview

HSE.P-011.A.INA, Wind Farm Site Emergency Action Plan: Inadale

HSE.P-011.A.MAV, Wind Farm Site Emergency Action Plan: Magic Valley

HSE.P-011.A.MUN, Wind Farm Site Emergency Action Plan: Munnsville

HSE.P-011.A.PC, Wind Farm Site Emergency Action Plan: Panther Creek

HSE.P-011.A.PAP, Wind Farm Site Emergency Action Plan: Papalote Creek

HSE.P-011.A.PEY, Wind Farm Site Emergency Action Plan: Peyton Creek

HSE.P-011.A.PIO, Wind Farm Site Emergency Action Plan: Pioneer Trail

HSE.P-011.A.PYR, Wind Farm Site Emergency Action Plan: Pyron

HSE.P-011.A.RR, Wind Farm Site Emergency Action Plan: Radford's Run

HSE.P-011.A.RAY, RAYW Wind Farm Site Emergency Action Plan:

Raymond and Raymond West

HSE.P-011.A.ROS, Wind Farm Site Emergency Action Plan: Roscoe

HSE.P-011.A.SB, Wind Farm Site Emergency Action Plan: Sand Bluff

HSE.P-011.A.SET, Wind Farm Site Emergency Action Plan: Settler's Trail

HSE.P-011.A.SC, Wind Farm Site Emergency Action Plan: Stony Creek

HSE.P-011.A.STE, Wind Farm Site Emergency Action Plan: Stella

HSE.P-011.A.WC, Wind Farm Site Emergency Action Plan: Wildcat

HSE.P-011.B.ALM, Solar Park Site Emergency Action Plan: Alamo

HSE.P-011.B.FTH, Solar Park Site Emergency Action Plan: Fort Huachuca

HSE.P-011.B.TP, Solar Park Site Emergency Action Plan: Tech Park

HSE.P-011.B.VAL, Solar Park Site Emergency Action Plan: Valencia

HSE.P-011.B.WTP, Solar Park Site Emergency Action Plan: West of the Pecos

HSE.P-011.C.AUS, Office Site Emergency Action Plan: Austin

HSE.P-011.C.CHI, Office Site Emergency Action Plan: Chicago

HSE.P-011.C.SF, Office Site Emergency Action Plan: San Francisco

P-015.PIO, Spill Prevention Control and Countermeasures Plan: Pioneer Trail

P-015.SET, Spill Prevention Control and Countermeasures Plan: Settler's Trail

P-015.SC, Spill Prevention Control and Countermeasures Plan: Stony Creek

HSE.P-015.ANA, Spill Prevention Control and Countermeasures Plan: Anacacho

HSE.P-015.CRA, Spill Prevention Control and Countermeasures Plan: Cranell

HSE.P-015.RCPI, Spill Prevention Control and Countermeasures Plan: Roscoe,
Champion, Pyron, Inadale


HSE.P-015.FC-PC-SB, Spill Prevention Control and Countermeasures Plan: Forest Creek,
Panther Creek, Sand Bluff

HSE.P-015.MAV, Spill Prevention Control and Countermeasures Plan: Magic Valley

HSE.P-015.MUN, Spill Prevention Control and Countermeasure Plan: Munnsville

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	3 of 45

HSE.P-015.PAPI, Spill Prevention Control and Countermeasures Plan: Papalote Creek I
 HSE.P-015.PAPII, Spill Prevention Control and Countermeasures Plan: Papalote Creek II
 HSE.P-015.RAY, Spill Prevention Control and Countermeasures Plan: Raymond (under development)
 HSE.P-015.RAYW, Spill Prevention Control and Countermeasures Plan: Raymond West (under development)
 HSE.P-015.PEY, Spill Prevention Control and Countermeasures Plan: Peyton Creek
 HSE.P-015.WC, Spill Prevention Control and Countermeasures Plan: Wildcat
 HSE.P-015.BB, Spill Prevention Control and Countermeasures Plan: Bruenning's Breeze
 HSE.P-015.STE, Spill Prevention Control and Countermeasures Plan: Stella
 HSE.P-002.A Hot and Cold Weather Emergency Operations Plan
 HSE.P-002.C Restoration of Service Plan
 HSE.P-002.D Pandemic Plan
 HSE. P-002.E.1 Hurricane Preparedness Plan
 HSE.P-002.E.2 Hurricane Recovery Plan
 HSE.P-002.F Cyber Security
 HSE.P-002.G Physical Security


1.0 **Introduction**

1.1 **Purpose**

- 1.1.1 This Emergency Operations Plan (EOP) of RWE Renewables Americas (RWE RA) is intended to serve as the guide for an emergency response to a disaster or catastrophe. RWE RA owns and operates operating units in USA and Canada. These operating units consist of office buildings, battery storage, wind farms, and solar parks.
- 1.1.2 RWE RA's plan addresses the requirements for systematic restoration of electrical service and return to normal working conditions from emergency conditions. This EOP places the safety and welfare of employees, contractors, and the public during such an event above all other concerns.
- 1.1.3 The EOP is developed and managed in accordance with RWE RA's business policies and the requirements of Public Utility Commission of Texas (PUC) Substantive Rule §25.53 for a Power Generation Company (PGC).
- 1.1.4 RWE RA has the following Plans and Procedures in addition to RWE RA's Emergency Operations Plan:
 - P 9.1 Crisis Management and Emergency Response
 - P 10.1, Incident Notification

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	4 of 45


[HSE.OP-001, Equipment Clearance Lockout/Tagout](#)
[HSE.OP-002, Installation and Removal of Personal Safety Grounds](#)
[HSE.OP-003, Switching Requirements](#)
[HSE.OP-009, Hazardous Communication](#)
[HSE.OP-022, Inclement Weather & Lightning Protection Safety](#)
[HSE.OP-023, Site Safety Orientations](#)
[HSE.OP-029, First Aid & Bloodborne Pathogens](#)
[HSE.OP-004, Fall Protection & Climbing Safety Rules](#)
[HSE.OP-007, Confined Spaces](#)
[HSE.P-003.BB, Hurricane Preparedness Plan](#)
[HSE.P-004.BB, Hurricane Recovery Plan](#)
[HSE.P-011.A, Wind Farm Site Emergency Action Plan](#)
[HSE.P-011.B, Solar Park Site Emergency Action Plan](#)
[HSE.P-011.C, Office Site Emergency Action Plan](#)
[HSE.P-015, Spill Prevention Control and Countermeasures Plan](#)

- 1.1.5** Master copies of each of the above Plans and Operating Procedures are maintained on the RWE RA's company [REDACTED]
- 1.1.6** A reference copy of this EOP will be retained in all Control Centers.
- 1.1.7** RWE RA's EOP takes precedence during an emergency.

1.2 Plan Responsibility

- 1.2.1** This EOP will be administered and maintained by the HSE department within RWE RA. The complete EOP is available at RWE RA's office in Austin for review by the PUC upon request. The EOP will be reviewed and revised annually to ensure that each applicable section is accurate and current by RWE RA's EOP Administrator (See 1.2.2).
- 1.2.2** The EOP Administrators are listed below.

[REDACTED] Director of HSSE, RWE RA	[REDACTED]
[REDACTED] Head of HSE Operations, RWE RA	[REDACTED]
[REDACTED] Head of HSE Origination, Development & Construction	[REDACTED]


	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	5 of 45

1.3 Policy Statement

- 131 In order to responsibly serve our communities, RWE RA must be able to respond efficiently and professionally to emergency situations, restore lost electrical utility services as rapidly as possible, and return RWE RA to normal working conditions.
- 132 To meet this commitment, RWE RA will maintain an EOP that meets or exceeds the requirements set forth by the PUC.
- 133 Every employee is directed to observe the authority of the EOP Incident Commander during a declared emergency or in other instances when the EOP is activated (i.e., disaster or drills).
- 134 During declared emergencies, employees are to remain available for immediate call-out and particularly to remain clear of any and all emergency operations unless directed by the Incident Commander, or an individual exercising the authority of the EOP in executing restoration of service.
- 135 At the end of the emergency, the Emergency Management Committee (EMC) will complete an HSE.F.P-011.A, EOP Post Event Report and conduct a critique of the emergency response effort. The Post Event Report and critique will be used to improve and revise the EOP.


1.4 Public Utility Commission of Texas §25.53 Compliance

- 141 RWE RA's EOP is in compliance with PUC Substantive Rule §25.53. Consult with the RWE RA Legal Department regarding the specific requirements for EOP content and filing procedures pursuant to Rule §25.53.
- 142 RWE RA continuously maintains and revises its EOP. No later than March 15 of each year, RWE RA will file with the PUC either: (a) an updated version of the EOP or (b) an attestation that no changes were made which would materially affect how RWE RA would respond to an emergency, as applicable under §25.53(C)(3).
- 143 RWE RA submits and updates its unredacted EOP in its entirety to ERCOT pursuant to §25.53(c)(1)(B).

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	6 of 45

1.5 EOP Knowledge and Training

- 151** For the EOP to function at the time of an emergency, it is necessary that all personnel be knowledgeable about the content and committed to its proper use. It is the responsibility of the EOP Line Managers to ensure the initial EOP training is completed, and advise their employees when updates and/or changes are made to its contents.
- 152** Each Line Manager shall provide an overview of the EOP to their personnel, including newly hired employees at their orientation or no later than 30 days of hire date. The overview will instruct employees of their responsibilities during an emergency situation. Supervisory personnel may receive additional instruction regarding special areas of the EOP.
- 153** Designated supervisory personnel may download a reference copy of the plan from the master document library to be used for their office. Updates or changes made to the EOP will be distributed to all personnel that have been issued copies of the complete EOP. An electronic version of the EOP will be available from the RWE RA master document library. The electronic version on the master document library is the Master Document and is the most current revision; all printed copies are for reference only. Critical updates, other than purely informational changes, will require re-training of affected personnel.
- 154** A written record of acknowledgement of the introduction to the EOP shall be retained in the functional department's files. The HSE.F.P-021.A.19.1.b Training Acknowledgment form or the learning management system is used to document the EOP training.
- 155** It is recommended that all EMC and back-up members complete the free Federal Emergency Management Agency National Incident Management System and Incident Command System (FEMA NIMS and ICS) online training
(<https://training.fema.gov/emiweb/is/icsresource/trainingmaterials.htm>.)
- Training includes the following:
- 1.5.5.1 IS-700 NIMS, an Introduction
 - 1.5.5.2 IS-800 National Response Framework, an Introduction
 - 1.5.5.3 ICS-100 Introduction to the Incident Command System
 - 1.5.5.4 ICS-200 ICS for Single Resources and Initial Action Incidents

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	7 of 45


1.6 Definitions

- 161 Crisis Management Team (CMT):** Known as the Emergency Management Committee (EMC) in North America. As a minimum, the CMT consists of the Senior Leadership Teams for Wind, Battery Storage and Solar. It will be established on a global and country level. Entities within North America follow the North America Incident Command System. The CMT/EMC in North America is the team of managers responsible to manage and successfully respond to a crisis scenario (or potential crisis scenario) occurring at any of the field or office locations. The First Responders, typically the site personnel, will provide field updates to the CMT/EMC. The CMT at the Global level functions as the Corporate/Global EMC.
- 162 Emergency:** An emergency is defined as an event with adverse implications for the company. Scenario-specific plans exist for emergencies. The EOP is required to be activated for all Severity level three (3) incidents.

2.0 Emergency Operations Plan Administration

2.1 Emergency Management Committee


- 2.1.1 Two Emergency Management Committees (EMCs) exist: one for NA Wind and one for NA Solar/Battery Storage. The applicable Operations Section Chief's where the event occurs may be contacted by any employee to see if the EOP may be activated.
- 2.1.2 If an Operations Section Chief determines the need to activate the EOP, the EOP Incident Commander will be nominated from the Senior Leadership team at the time of the event and is responsible for notifying Senior Leadership Teams via the communications and key personnel of a potential emergency. This group of Management personnel will be known as the Emergency Management Committee (EMC) (See Appendix 1.)
- 2.1.3 For an individual to be nominated as an Incident Commander, the EOP Incident Commander should have received either on-line or instructor lead Incident Commander Training and is responsible for managing an emergency event until business operations have returned to regular operational status or relieved of duties by the EMC.
- 2.1.4 Reference copies of the EOP may be maintained with EMC members in their office. An additional copy may also be maintained at either their home or automobile.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	8 of 45

2.1.5 The EMC, acting under the direction of RWE RA's corporate policy, will declare an emergency based on developing conditions or official notifications, assess the damage and decide whether the EOP should be put into operation. Each departmental manager is responsible for their area of the EOP but must maintain direct contact with the EMC regarding updated and/or changed assignments. The EMC Incident Commander can name a new title or person to the EMC depending on the type of emergency consistent with protocols established in the National Incident Management System (NIMS).

2.1.6 The EMC includes:

RWE Renewables Americas	
Incident Commander aka Unified Commander	Nominated role per event
Planning Section Chief	Director of Development, WindNA or Vice President, Head of Project Delivery , Solar
Operations Section Chief	Director of Operations, WindNA or Vice President Engineering, Solar Or Vice President, Battery Storage
Construction Section Chief	Director of Construction, Wind NA or Vice President, Head of Project Delivery, Solar
Finance & Administrative Section Chief	Head of Accounting and Controlling
Logistics Section Chief	Head of Procurement Wind NA
Liaison Officer	Head of Government Relations and External Affairs NA
Public Information Officer	Head of Government Relations and External Affairs NA
Safety Officer	Head of HSE RWE RA Manager of HSE Operations RWE RA
Engineering Section Chief	Senior Vice President Asset Engineering Americas

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	9 of 45

2.2 Emergency Contact Information

An employee directory is available on Outlook Global Address List (GAL). Once activated EMC members will call into the following conference call number:



2.3 EMC Incident Command System (ICS) Roles and Responsibilities

2.3.1 The Incident Commander (IC) or the Unified Command (UC)

23.1.1 The Incident Commander (IC) or the Unified Command (UC) is responsible for all aspects of the response including developing incident objectives and managing all incident operations.

23.1.2 The IC is faced with many responsibilities when he/she arrives on scene. Unless specifically assigned to another member of the EMC, these responsibilities remain with the IC. Some of the more complex responsibilities include:

23.1.2.1 Establish immediate priorities especially the safety of responders, other emergency workers, bystanders, and people involved in the incident.

23.1.2.2 Stabilize the incident by ensuring life safety and managing resources efficiently and cost effectively.

23.1.2.3 Determine incident objectives and strategy to achieve the objectives.

23.1.2.4 Establish and monitor incident organization.


23.1.2.5 Approve the implementation of the written or oral Incident Action Plan.

23.1.2.6 Ensure adequate health and safety measures are in place.

2.3.2 The Command Staff

23.2.1 The Command Staff is responsible for public affairs, health and safety, and liaison activities within the incident command structure. These positions are responsible for the following activities:

23.2.1.1 The Public Information Officer's role is to develop and release information about the incident to the news media,

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	10 of 45

incident personnel, and other appropriate agencies and organizations.

2.3.2.1.2 The Liaison Officer's role is to serve as the point of contact for assisting and coordinating activities between the IC/UC and various groups. This may include local government officials and criminal investigating organizations and investigators arriving on the scene.

2.3.2.1.3 The Safety Officer's role is to develop and recommend measures to the IC/UC for assuring personnel health and safety and to assess and/or anticipate hazardous and unsafe situations. The Safety Officer also develops the Site Safety

Plan, reviews the Incident Action Plan for safety implications, and provides timely, complete, specific, and accurate assessment of hazards and required controls.

2.3.3 The General Staff

2.3.3.1 The General Staff includes Operations, Planning, Logistics, and Finance/Administrative responsibilities. These responsibilities remain with the IC until they are assigned to another individual. When the Operations, Planning, Logistics or Finance/Administrative responsibilities are established as separate functions under the IC, they are managed by a section chief and can be supported by other functional units.


2.3.3.3.1 The Operations Staff is responsible for all operations directly applicable to the primary mission of the response.

2.3.3.3.2 The Planning Staff is responsible for collecting, evaluating, and disseminating the tactical information related to the incident, and for preparing and documenting Incident Action Plans (IAP's)

2.3.3.3.3 The Logistics Staff is responsible for providing facilities, services, and materials for the incident response.

2.3.3.3.4 The Finance/Administrative Staff is responsible for all financial, administrative, and cost analysis aspects of the incident.


2.3.4 The following is a list of Command Staff and General Staff responsibilities that either the IC or key staff of any response should perform or assign to appropriate members of the Command or General Staffs:

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	11 of 45

- 234.1 Provide response direction;
- 234.2 Coordinate effective communication;
- 234.3 Provide and Coordinate resources;
- 234.4 Establish incident priorities;
- 234.5 Develop mutually agreed-upon incident objectives and approve response strategies;
- 234.6 Assign objectives to the response structure;
- 234.7 Review and approve Incident Action Plans;
- 234.8 Ensure integration of response organizations into the ICS;
- 234.9 Establish protocols;
- 234.10 Ensure worker and public health and safety; and
- 234.11 Inform the media.
- 2.3.5 The modular organization of the ICS allows responders to scale their efforts and apply the parts of the ICS structure that best meet the demands of the incident. In other words, there are no hard and fast rules for when or how to expand the ICS organization.
- 2.3.6 Many incidents will never require the activation of Planning, Logistics, or Finance/Administrative Sections, while others will require some or all of them to be established. A major advantage of the ICS organization is the ability to fill only the required parts of the organization. For some incidents, and in some applications, only a few of the organization's functional elements may be required.
- 2.3.7 The roles of the ICS participants will also vary depending on the incident and may even vary during the same incident. Staffing considerations are based on the needs of the incident. The number of personnel and the organization structure are dependent on the size and complexity of the incident. There is no absolute standard to follow. However, large-scale incidents will usually require that each component, or section, is set up separately with different staff members managing each section. A basic operating guideline is that the Incident Commander is responsible for all activities until command authority is transferred to another person.
- 2.3.8 The EMC should be kept to the minimum headcount based on the need of the event. The section chiefs are to attend the EMC in person or via call-in at the call-in times announced by the IC. They should obtain status

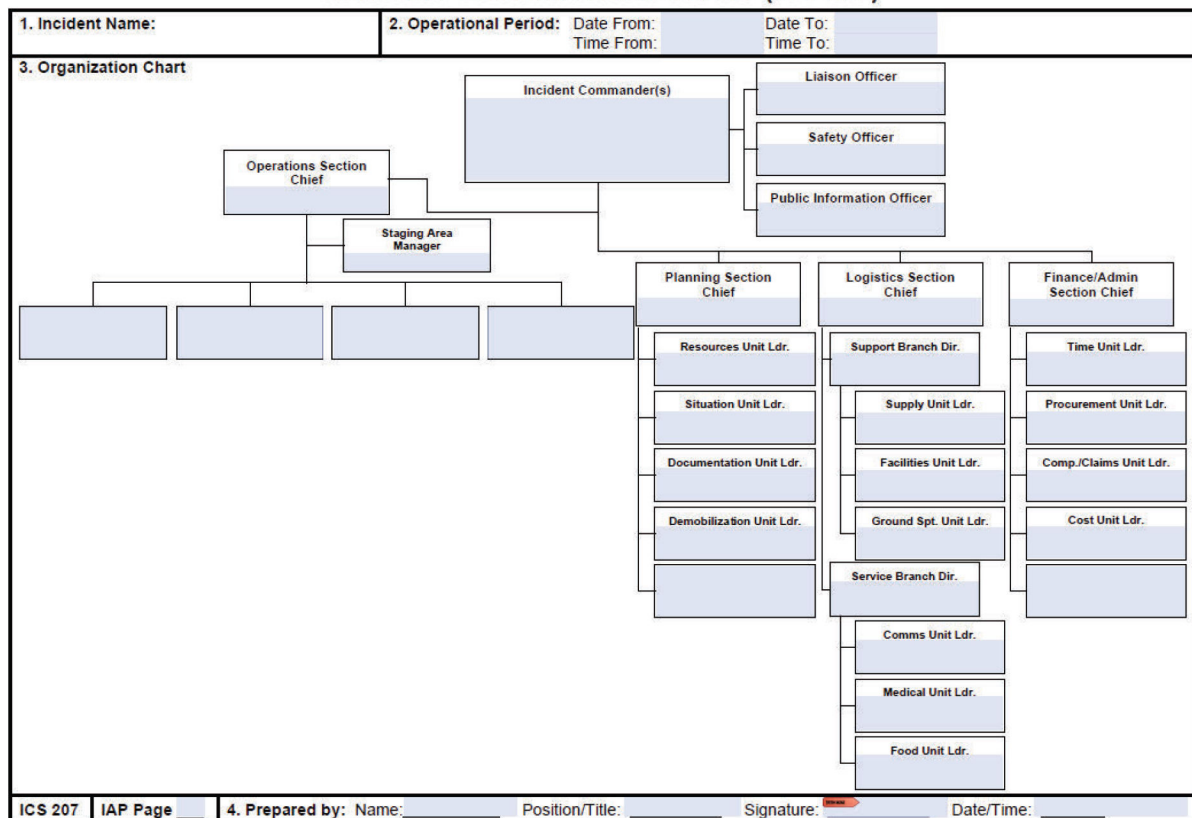
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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	12 of 45

reports from their support staff and brief the IC on actions and status updates as required. Too many personnel calling into the EMC could affect communications and cause confusion.

Example of ICS 207 Incident Organization Chart INCIDENT ORGANIZATION CHART (ICS 207)



2.4 Reporting Requirements


Using [HSE.F.P-002.C, EOP Emergency Management Committee Control Log](#), the EMC will provide updates and maintain a log of events that occur during an emergency situation for the PUC and the State Operations Center (SOC). The updates shall contain information on the status of operations, outages, and restoration efforts. The updates shall continue until all related outages are restored or unless otherwise notified by the P.U.C. The EMC will also ensure appropriate parties at the Interconnected Transmission System (i.e. system operators, utilities, customers, etc.) are notified.

2.5 Emergency Control Centers and the Emergency Operation Centers

2.5.1 During emergency situations the Emergency Control Center (ECC) will be manned by company personnel (not necessarily by members of the EMC) if

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	13 of 45

safe and allowable. The EOC will be the base of emergency response activities for the EMC. The EMC provides the coordination and control of the wind and solar parks during an emergency from


- 2.5.2 the Emergency Operation Center (EOC) in coordination with the ECC. The primary ECC and EOC will first be established at the Austin, Texas office for wind, storage, and solar-related incidents. The office shall be equipped with local telephone service and satellite phones. If the Austin offices are destroyed or unusable, the secondary ECC and EOC will be established as defined in 2.5.2.1 below. Depending upon the severity and type of the catastrophe and the safety of the disaster location, the EMC may also establish an ECC or EOC at the site of the event.

2521 Primary ECC and EOC Contact Information:

EOC Contact	ECC Contact
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

2522 Secondary ECC and EOC Contact Information:

EOC Contact	ECC Contact
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	14 of 45

2523 The following items will be maintained at the Primary and Secondary ECC:

1. One (1) copy of the Emergency Operations Plan;
2. One (1) NOAA Weather Radio with extra batteries;
3. Two (2) portable, battery powered light fixtures;
5. Four (4) heavy duty power strip and extension cords;
6. One (1) Satellite Phone.

2.6 Site Specifics

2.6.1 The following are identified as critical areas for RWE RA. Site Specific data are provided in the Attachments Section. Site Specific Diagrams and Maps are provided in HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan (EAP), HSE.P-011.B, Solar Park Site Specific Emergency Action Plan (EAP), HSE.P-011.C, Office Site Emergency Action Plan (EAP), and HSE.P-015, Site Specific Spill Prevention Control and Countermeasures (SPCC) Plan.

2.6.1.1 Corporate Offices Schematics

2.6.1.2 Site Specific Data Sheets (Site Specific EAP)


2.6.1.3 Operations & Maintenance Buildings Schematics (Site Specific EAP)

2.6.1.4 Substations Map (Site Specific EAP)

2.6.1.5 Wind Turbine Location Map (Site Specific EAP)

2.6.1.6 Solar Panel Location Map (Site Specific EAP)

2.6.1.7 Site String Road Map (Site Specific EAP)

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	15 of 45

2.7 Types of Emergencies


There are many types of emergency conditions that can interrupt service and affect operations in a variety of ways. Included below are several classifications of major emergencies and a general description of the response(s) to the particular emergency condition. As is stated throughout this EOP, RWE RA's primary concern is the health and safety of employees and first responders when faced with an emergency situation.

2.7.1 Bomb or Terrorist Threat

- 27.1.1 In the event a threat is received, an employee should notify available RWE RA Management including the EOP Incident Commander.
- 27.1.2 All threats shall be treated seriously by E.C.R. NA personnel. In addition, employees shall adhere to the direction of local law enforcement. Should evacuation of the affected building be necessary, all involved personnel should contact their immediate supervisor for details regarding returning to work.
- 27.1.3 It is the responsibility of the employee who receives the threat to submit an HSE.F.P-002.D, EOP Bomb or Terrorist Threat Report Form within four (4) hours to the Incident Commander of the EMC or to the EOP Administrator.

2.7.2 Natural Disasters

- 27.2.1 Natural disasters include earthquakes, flooding, hurricanes/typhoons, landslides, tornadoes, tsunamis, extreme heat, winter storms and extreme cold, and other natural disaster events (see reference to Hurricane Preparedness Annex E Part 1 and Hurricane Recovery Annex E Part 2) (see sections 2.7.2.6 through 2.7.2.14 for further details).
- 27.2.2 In the event of a disaster, local employees should notify available RWE RA Management including the EOP Incident Commander. Damage assessment should begin immediately. All damaged sites must be secured, including, if necessary, the disconnection of power and gas utilities by qualified technicians. Back-up power sources should also be activated if necessary. In addition, necessary safety zones must be established and caution signs posted as a safety precaution for employees and other emergency personnel. Employees and first responders need to be aware if there is a potential for toxic fumes.
- 27.2.3 If the disaster is suspected terrorism, the lead supervisor at the site

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	16 of 45

will be the principal contact for the first responder incident commander and will maintain constant contact with the EOP Incident Commander.

2724 An HSE.F.P-002.E, EOP Site Evaluation Report Form should be submitted within four (4) hours to the Incident Commander of the EMC or to the EOP Incident Commander.

2725 If damage is extensive, the EMC will activate the EOP and direct the steps necessary to begin restoration of service.

2726 Earthquakes

Since the SFO office is vulnerable to earthquakes EMC members and employees should sign-up at the following sites to receive alerts from the SFO Department of Emergency Management:

www.alertsf.org

Twitter: @SF_Emergency

<http://www.calalerts.org/>

2.7.2.6.1 During an earthquake if indoors:

2.7.2.6.1.1 Take cover under a sturdy desk, table, or bench or against an inside wall, and hold on. If there isn't a table or desk near you, cover your face and head with your arms and crouch in an inside corner of the building.

2.7.2.6.1.2 Stay away from glass, windows, outside doors and walls, and anything that could fall, such as lighting fixtures or furniture.

2.7.2.6.1.3 Use a doorway for shelter only if it is in close proximity to you and if you know it is a strongly supported, loadbearing doorway.

2.7.2.6.1.4 Stay inside until the shaking stops and it is safe to go outside. Most injuries during earthquakes occur when people are hit by falling objects when entering or exiting from buildings.


2.7.2.6.1.5 Be aware that the electricity may go out or the sprinkler systems or fire alarms may turn on.

2.7.2.6.1.6 DO NOT use the elevators.

2.7.2.6.2 During an earthquake if outdoors:

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	17 of 45

2.7.2.6.2.1 Stay there.

2.7.2.6.2.2 Move away from buildings, streetlights, and utility wires.

2.7.2.6.3 During an earthquake if trapped under debris:

2.7.2.6.3.1 Do not light a match.

2.7.2.6.3.2 Do not move about or kick up dust.

2.7.2.6.3.3 Cover your mouth with a handkerchief or clothing.

2.7.2.6.3.4 Tap on a pipe or wall so rescuers can locate you. Use a whistle if one is available. Shout only as a last resort—shouting can cause you to inhale dangerous amounts of dust.

2.7.2.6.4 After an earthquake:

2.7.2.6.4.1 Be prepared for aftershocks.

2.7.2.6.4.2 Be aware of possible tsunamis in coastal areas. When local authorities issue a tsunami warning, assume that a series of dangerous waves is on the way. Stay away from the beach.

2.7.2.7 Flooding

2.7.2.7.1 During a flood:


2.7.2.7.1.1 Listen to the radio or television for information.

2.7.2.7.1.2 Be aware that flash flooding can occur. If there is any possibility of a flash flood, move immediately to higher ground. Do not wait for instructions to move.

2.7.2.7.1.3 Be aware of streams, drainage channels, canyons, and other areas known to flood suddenly. Flash floods can occur in these areas with or without such typical warnings as rain clouds or heavy rain.

2.7.2.7.2 If you must evacuate or prepare to evacuate:

2.7.2.7.2.1 Secure your office; turn off utilities at the main switches or valves if instructed to do so.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	18 of 45

Disconnect electrical appliances. Do not touch electrical equipment if you are wet or standing in water.

2.7.2.7.2.2 Do not walk through moving water. Six inches of moving water can make you fall. If you must walk in water, walk where the water is not moving. Use a stick to check the firmness of the ground in front of you.

2.7.2.7.2.3 Do not drive into flooded areas. If floodwaters rise around your car, abandon the car and move to higher ground if you can do so safely. You and the vehicle can be quickly swept away.

2.7.2.8 Hurricanes/Typhoons

2.7.2.8.1 During a hurricane/typhoon:

2.7.2.8.1.1 Listen to the radio or TV for information.

2.7.2.8.1.2 Secure the site; secure outdoor objects or bring them indoors.

2.7.2.8.1.3 Turn off utilities if instructed to do so. Otherwise, turn the refrigerator thermostat to its coldest setting and keep its doors closed.

2.7.2.8.1.4 Turn off propane tanks.

2.7.2.8.1.5 Avoid using the phone, except for serious emergencies.

2.7.2.8.1.6 Ensure a supply of water for sanitary purposes such as cleaning and flushing toilets. Fill large containers with water.


2.7.2.8.2 Evacuate during a hurricane/typhoon:

2.7.2.8.2.1 If you are directed by local authorities to do so. Be sure to follow their instructions.

2.7.2.8.2.2 If you work in a high-rise building—hurricane winds are stronger at higher elevations.

2.7.2.8.2.3 If you work on the coast, on a floodplain, near a river, or on an inland waterway.

2.7.2.8.2.4 If you feel you are in danger.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	19 of 45

2.7.2.8.3 If unable to evacuate:

2.7.2.8.3.1 Go to a wind-safe room.

2.7.2.8.3.2 If you do not have a wind-safe room:

2.7.2.8.3.2.1 Stay indoors during the hurricane and away from windows and glass doors.

2.7.2.8.3.2.2 Close all interior doors—secure and brace external doors.

2.7.2.8.3.2.3 Keep curtains and blinds closed. Do not be fooled if there is a lull; it could be the eye of the storm—winds will pick up again.

2.7.2.8.3.2.4 Take refuge in a small interior room, closet, or hallway on the lowest level.

2.7.2.8.3.2.5 Lie on the floor under a table or another sturdy object.

2.7.2.9 Landslides

2.7.2.9.1 During a landslide:

2.7.2.9.1.1 Move away from the path of a landslide or debris flow as quickly as possible.

2.7.2.9.1.2 Curl into a tight ball and protect your head if escape is not possible.


2.7.2.9.2 After a landslide:

2.7.2.9.2.1 Stay away from the slide area. There may be danger of additional slides.

2.7.2.9.2.2 Watch for associated dangers such as broken electrical, water, gas, and sewage lines and damaged roadways and railways.

2.7.2.10 Tornadoes

2.7.2.10.1 If you are under a tornado warning, seek shelter immediately!

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	20 of 45

2.7.2.10.2 If you are in a structure (e.g. small building, high-rise building):

2.7.2.10.2.1 Go to a pre-designated shelter area such as a safe room, basement, storm cellar, or the lowest building level.

2.7.2.10.2.2 If there is no basement, go to the center of an interior room on the lowest level (closet, interior hallway) away from corners, windows, doors, and outside walls. Put as many walls as possible between you and the outside.

2.7.2.10.2.3 Get under a sturdy table and use your arms to protect your head and neck.

2.7.2.10.2.4 Do not open windows.

2.7.2.10.3 If you are in a vehicle:

2.7.2.10.3.1 Get out immediately

2.7.2.10.3.2 Go to the lowest floor of a sturdy, nearby building or a storm shelter.

2.7.2.10.4 If you are outside with no shelter:

2.7.2.10.4.1 Lie flat in a nearby ditch or depression and cover your head with your hands. Be aware of the potential for flooding.


2.7.2.10.4.2 Do not get under an overpass or bridge. You are safer in a low, flat location.

2.7.2.10.4.3 Never try to outrun a tornado in urban or congested areas in a car or truck. Instead, leave the vehicle immediately for safe shelter.

2.7.2.10.4.4 Watch out for flying debris. Flying debris from tornadoes causes most fatalities and injuries.

2.7.2.11 Tsunamis

2.7.2.11.1 If there is a noticeable recession in water away from the shoreline, move away immediately.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	21 of 45

2.7.2.11.2 Turn on your radio to learn if there is a tsunami warning if an earthquake occurs and you are in a coastal area.

2.7.2.11.3 Move inland to higher ground immediately and stay there.

2.7.2.12 Extreme Heat

2.7.2.12.1 Stay indoors as much as possible and limit exposure to the sun.

2.7.2.12.2 Stay on the lowest floor out of the sunshine if air conditioning is not available.

2.7.2.12.3 Consider spending the warmest part of the day in air-conditioned facilities.

2.7.2.12.4 Eat well-balanced, light, and regular meals. Avoid using salt tablets unless directed to do so by a physician.

2.7.2.12.5 Drink plenty of water and limit intake of alcoholic beverages after working hours.

2.7.2.12.6 Dress in loose-fitting, lightweight, and light-colored clothes that cover as much skin as possible.

2.7.2.12.7 Protect face and head by wearing a wide-brimmed hat.

2.7.2.12.8 Avoid strenuous work during the warmest part of the day. Use a buddy system when working in extreme heat, and take frequent breaks.


2.7.2.13 Winter Storms and Extreme Cold

2.7.2.13.1 During a winter storm:

2.7.2.13.1.1 Listen to your radio, television, or NOAA Weather Radio for weather reports and emergency information.

2.7.2.13.1.2 Eat regularly and drink ample fluids, but avoid caffeine and alcohol.

2.7.2.13.1.3 Avoid overexertion when shoveling snow.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	22 of 45

2.7.2.13.1.3.1 Overexertion can bring on a heart attack.

2.7.2.13.1.3.2 If you must shovel snow, stretch before going outside.

2.7.2.13.1.4 Watch for signs of frostbite.

2.7.2.13.1.4.1 Signs include loss of feeling and white or pale appearance in extremities such as fingers, toes, ear lobes, and the tip of the nose.

2.7.2.13.1.4.2 If symptoms are detected, get medical help immediately.


2.7.2.13.1.5 Watch for signs of hypothermia.

2.7.2.13.1.5.1 Signs include uncontrollable shivering, memory loss, disorientation, incoherence, slurred speech, drowsiness, and apparent exhaustion.

2.7.2.13.1.5.2 If symptoms of hypothermia are detected, get the victim to a warm location, remove wet clothing, warm the center of the body first, and give warm, non-alcoholic beverages if the victim is conscious.

2.7.2.13.1.5.3 Get medical help as soon as possible.

2.7.2.13.1.6 Conserve fuel, if necessary, by keeping your building cooler than normal.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	23 of 45

Temporarily close off heat to some rooms.

2.7.2.13.1.7 Maintain ventilation when using kerosene heaters to avoid build-up of toxic fumes. Refuel kerosene heaters outside and keep them at least three feet from flammable objects.

2.7.2.13.1.8 Drive only if it is necessary. If you must drive, consider the following:

2.7.2.13.1.8.1 Travel in the day, don't travel alone, and keep others informed of your schedule

2.7.2.13.1.8.2 Stay on main roads; avoid back road shortcuts

2.7.2.13.2 If a blizzard traps you in a car:

2.7.2.13.2.1 Pull off the highway. Turn on hazard lights and hang a distress flag from the radio antenna or window.


2.7.2.13.2.2 Remain in your vehicle where rescuers are most likely to find you.

2.7.2.13.2.2.1 Do not set out on foot unless you can see a building close by where you know you can take shelter.

2.7.2.13.2.2.2 Be careful; distances are distorted by blowing snow. A building may seem close, but be too far to walk to in deep snow.

2.7.2.13.2.3 Run the engine and heater about 10 minutes each hour to keep warm.

2.7.2.13.2.3.1 When the engine is running, open an upwind

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	24 of 45

window slightly for ventilation to prevent possible carbon monoxide poisoning.

2.7.2.13.2.3.2 Periodically clear snow from the exhaust pipe.

2.7.2.13.2.4 Exercise to maintain body heat, but avoid overexertion. In extreme cold, use road maps, seat covers, and floor mats for insulation. Huddle with passengers and use your coat for a blanket.

2.7.2.13.2.5 Take turns sleeping. One person should be awake at all times to look for rescue crews.

2.7.2.13.2.6 Drink fluids to avoid dehydration.

2.7.2.13.2.7 Be careful not to waste battery power. Balance electrical energy needs—the use of lights, heat, and radio—with supply.

2.7.2.13.2.8 Turn on the inside light at night so work crews or rescuers can see you.

2.7.2.13.2.9 If stranded in a remote area, stomp large block letters in an open area spelling out HELP or SOS and line with rocks or tree limbs to attract the attention of rescue personnel who may be surveying the area by airplane.


2.7.2.13.2.10 Leave the car and proceed on foot— if necessary—once the blizzard passes.

2.7.2.14 After Severe Weather and Natural Disasters

2.7.2.14.1 Watch out for broken glass, debris, and fallen power lines.

2.7.2.14.2 Do not enter damaged areas until you are told it is safe.

2.7.2.14.3 Do not use an open flame or light cigarettes; combustibles may be present.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	25 of 45

2.7.2.14.4 Be cautious when entering damaged structures.

2.7.3 Fire


- 273.1 In the event of a fire in one of RWE RA's buildings, transformers, substations, wind turbine generators (WTGs), or solar panel systems, an employee must notify local fire officials and available RWE RA Management, including the EOP Incident Commander. Employees and first responders need to be aware if there is a potential for toxic fumes and shall remain clear and upwind of the scene. They shall setup on-scene incident command, keeping others clear of the scene, and then pass of the incident command to next higher level of authority once they arrive.
- 2732 All damaged sites must be secured, including, if necessary, the disconnection of power and gas utilities by qualified technicians. Back-up power sources should also be activated if necessary. In addition, necessary safety zones must be established and barricaded with caution signs posted as a safety precaution for employees and other emergency personnel.
- 2733 An HSE.F.P-002.E, EOP Site Evaluation Report Form should be submitted within four (4) hours to the Incident Commander of the EMC or to the EOP Incident Commander.
- 2734 If damage is extensive, the EMC will activate the EOP and direct the steps necessary to begin restoration of service.

2.7.4 Medical Emergency

In the event of a serious medical emergency, an employee must notify local Emergency Medical Services (EMS) and available Management including the Incident Commander of the EMC. RWE RA staff will handle the medical emergency per RWE RA's HSE Management System and site-specific procedures.

2.8 Emergency Resources

When an emergency declaration is made by the EMC, local emergency resources including first responders, high rescue team, hospitals, medical clinics, ambulance service, burn centers, hotels, and the local city/county Emergency Manager will be notified so they can go into standby alert status. A list of emergency resources by site location is provided in HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan (EAP), HSE.P-011.B, Solar Park Site Specific Emergency Action Plan

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	26 of 45

(EAP), HSE.P-011.C, Office Site Emergency Action Plan (EAP), and HSE.P-015, Site Specific Spill Prevention Control and Countermeasure (SPCC) Plan.


3.0 **Communication Plan**

In an emergency situation where the EOP has been activated by the EMC, it will be the responsibility of all employees to follow the directions of the EMC and its designees. All notifications to employees will be made by the EMC. The EMC may enlist the assistance of employees at any level to notify other employees. **No individuals are to take it upon themselves to notify other employees to come to the emergency area.** The EMC will notify the employees required to handle the specific emergency situation.

Human Resources (HR) will maintain a comprehensive list of personnel emergency contact information for each RWE employee and contractor, as well as assist in accounting for personnel and notifications to “In Case of Emergency” contacts, as directed by the EMC.

3.1 **Internal Notifications**


- 3.1.1 Internal notifications will be done systematically with only EMC designated personnel making the notifications.
- 3.1.2 It is the responsibility of the EMC to coordinate the notification of all employees using an HSE.F.P-002.F, EOP Emergency Management Notification Report Form.
- 3.1.3 Staff notifications will be handled through a telephone messaging system (EOP Hotline) and/or SMS text protocol which allows all employees to obtain information on the emergency situation. RWE RA may also post information via the RWE RA intranet SharePoint and/or Connect sites where employees have immediate/regular access.
- 3.1.4 This notification will include pertinent information concerning the situation, the anticipated work schedule, and review of RWE RA’s paid leave policy during such an event. All employees are subject to a change in working hours during such an event. If the event is not during normal working hours, all personnel will be notified. All personnel are subject to be called in for duty during such an emergency.
- 3.1.5 RWE RA personnel will be informed of alternate office facilities and when to report to work. The time lapse between the event and reporting to work will depend upon the type of disaster or catastrophe which occurred.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	27 of 45

- 3.1.6 During the initial recovery period all employees may be required to work on staggered shifts compatible with the remaining departments.
- 3.1.7 The EMC will notify critical suppliers and vendors where safe delivery and support areas are available. The EMC will provide safety and hygiene guidelines to critical suppliers and vendors if a pandemic emergency declaration is in effect.
- 3.1.8 When it has been determined by the EMC that it is safe to return to the affected disaster area, the EMC will initiate the notification of all required personnel and critical suppliers/vendors. As soon as permanent arrangements are finalized, all employees will return to normal working hours.

3.2 External Communications

- 32.1 External notifications will be done systematically with only EMC designated personnel making the notifications.
- 32.2 During an emergency situation all contacts with individuals or agencies external to RWE RA will be the responsibility of the EMC or its delegate. Typically, the direct responsibility will be delegated to the Vice President of Government Relations & External Affairs who will relay information to the media. **(No other employee should talk to the media.)** Anyone other than a member of the EMC or the Vice President of Government Relations & External Affairs who gives information to the media will be subject to disciplinary action by RWE RA.
- 32.3 If the Vice President of Government Relations & External Affairs is not available the Communications Manager will serve as the Alternate Media Contact for all external communications.
- 32.4 Inquiries from non-RWE RA personnel should be referred immediately to the EMC for handling.
- 32.5 Names, addresses and telephone numbers for media contacts in the service areas are maintained and updated by the Site Supervisors using HSE.F.P-011.C, EAP Media Contacts. The Vice President of Government Relations & External Affairs will handle all notifications to the various media organizations as listed in site specific EAPs.
- 32.6 A copy of all press releases will be sent to the Global Crisis Management Team (GCMT).

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	28 of 45

3.3 External Emergency Status Reports

- 33.1 During an emergency situation all requests for information will be referred to the EMC. **Other RWE RA personnel are not to respond to any requests for information even if receiving and working to resolve such requests are a normal function of his/her job.** Employees who receive a request for information should respond:


“We are operating under emergency conditions. May I have your name and a contact number (if possible)? I will have someone from the Emergency Management Committee contact you. Thank you.”

- 33.2 When a contact number is not available, the employee will obtain a contact location (e.g., their address) where the contact can be reached and record the information on an HSE.F.P-002.G, EOP External Requests for Information Report Form.
- 33.3 It is the responsibility of the EMC to determine the resolution of all requests for information that occur during emergency restorations. It is the intent of corporate policy and the EOP to place operational authority and/or emergency situations under the express direction of the EMC, including the resolution of all inquiries (See HSE.P-002 Annex C Restoration of Service Plan).
- 33.4 Suitable investigations of all inquiries will be conducted and the person requesting the information will be notified of the results in a timely and accurate manner

4.0 Plant Weatherization- See Annex A Hot and Cold Weather Emergency Operations Plan

4.1 Weatherization Plans and Procedures

- 4.1.1 RWE RA’s weather is monitored at the site level with the use of DTN.
- 4.1.2 Technicians will receive notification from the site supervisor when lightning strikes within 50 miles. When lightning strikes within 20 miles a call is made to the affected site to notify RWE RA’s staff to exit out of the affected sites and prepare them for extreme weather.
- 4.1.3 RWE RA’s wind turbines are equipped with heaters and coolers which allow them to operate in extreme temperature ranges (typically -20C to +45C). The heaters and coolers are controlled automatically by programmable controllers and temperature switches.


	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	29 of 45

- 4.14 When freezing temperatures are predicted, RWE RA personnel ensure emergency generators are fueled to provide backup power to essential facilities. RWE RA wind farm staff monitors facility conditions during the inclement weather.
- 4.15 In icy conditions, the turbines are monitored remotely. Icy conditions on the turbine are identified when the turbine output is lower than the power curve at the known wind speed. If it is determined that ice has formed on a turbine's blades, that turbine will be removed from operations until the ice has melted, this will reduce stress on the blades and reduce the incidence of ice throw.
- 4.16 Wind turbines are programmed to shut down when winds reach high, ten-minute average speeds (typically fifty-five (55) miles per hour). Each turbine is designed to withstand high winds and extreme weather conditions, per turbine design.
- 4.17 Refer to HSE.OP-022, Inclement Weather & Lightning Protection Safety for more information on lightning detection and alert system.
- 4.18 Refer HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan Section 5.7; HSE.P-011.B, Solar Park Site Specific Emergency Action Plan Section 5.7; HSE.P-011.C, Office Site Specific Emergency Action Plan Section 5.7 and for more information on preparing the facilities for storms.

5.0 **Pandemic Plan- See Annex D**

6.0 **Drills**

- 6.1 In order to have an EOP that is functional at the time of an emergency, it is necessary that all personnel be informed of and trained in the proper use of the EOP. It is the intent of the EMC that all personnel within RWE RA are aware that an EOP exists, that they are familiar with its contents, and that those responsible for its successful use are fully trained in its contents. It is the responsibility of each Line Manager to assure this training is accomplished, both initially and continuing, when updates and/or changes are made in its contents.


	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	30 of 45

- 6.2 All personnel shall receive an introduction of the EOP at their new hire orientation. This will include instructions regarding their responsibilities when an emergency situation has been declared by the EMC.
- 6.3 All supervisory personnel that would be involved in the implementation of the EOP will receive detailed instruction into the workings of the plan and their responsibilities contained therein.
- 6.4 Each designated supervisory person will be issued a complete EOP to be maintained at their office location. Upon the completion of the initial training session, each supervisory person will be given thirty (30) days in which to read the EOP thoroughly and will be required to sign a statement to be held by their supervisor that they have fully read the plan and placed a copy of the plan at their work location.
- 6.5 When the EOP Administrator updates or changes the EOP, all personnel with copies of the EOP will receive those updates or changes and be asked to acknowledge receipt of those documents by the EOP Administrator. Critical updates, other than just informational changes will be so noted and any required training will be conducted. All new supervisory personnel will be given instruction as to their responsibilities under this EOP.
- 6.6 The EMC shall conduct an annual drill; typically a detailed walk through of the EOP in response to a disaster scenario selected by the EMC. If RWE RA has activated its EOP within twelve (12) months in response to an actual disaster, it may select not to conduct an annual drill for the twelve (12) month period.
- 6.7 Following the annual drill or after the debriefing from an actual emergency declaration, the EMC shall assess the effectiveness of the drill and modify the EOP as needed. Changes to the EOP require filing the revised EOP Summary or EOP with the PUC no later than 30 days after such changes take effect.

7.0 **Safety and Security**

7.1 **Safety**

- 7.1.1 The safety and welfare of all RWE RA personnel and first responders is of utmost importance. In the event of a declared emergency all personnel are expected to play an important role in the recovery and restoration of service. In an emergency certain normal operating procedures will necessarily be altered; however, the safety of employees, suppliers/vendors and first


	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	31 of 45

responders will not be compromised when altering operating procedures. RWE RA employees will follow the HSE Management System and site-specific procedures during emergency situations.

- 7.1.2 It is critical to a successful recovery and restoration that all personnel adhere to all safety directions of the EMC and that all outside persons be admitted to RWE RA facilities only under the directives of the EMC.
- 7.1.3 All contractors are required to go through RWE RA's safety orientation and should comply with their own company's protocols and emergency policies.
- 7.1.4 It may be necessary under certain emergency situations to evacuate some or all persons from RWE RA's facilities. If this occurs, it is the responsibility of the EMC to issue an evacuation order. If the circumstances are such that immediate evacuation is not required, it will be in the best interest of all personnel to remain in their respective area and wait for further instructions.

7.2 Security-See Annex G and F

- 72.1 The security of all of RWE RA's facilities is the responsibility of all personnel; however, it is the primary responsibility of the EMC during and immediately following an emergency event.
 - 72.1.1 If the EMC activates the EOP, then it is imperative that all directives of the EMC be followed regarding the security of facilities and employees.
 - 72.1.2 No one from the outside, other than official emergency personnel and first responders, will be admitted to any RWE RA facility.
 - 72.1.3 Only those employees who have been notified under the guidelines of the EMC will be allowed to enter RWE RA facilities that are designated as restricted under this plan.
 - 72.1.4 It is crucial that no personnel from the media be admitted to any RWE RA facility, unless accompanied by a member of the EMC.
 - 72.1.5 It is the responsibility of all personnel to make sure all RWE RA facilities and equipment are secure before leaving those areas or equipment. If equipment is to be left at a site, it must be locked and/or secured in the best way possible.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	32 of 45

722 The following areas are considered “secure” areas and are to be treated as such by all personnel:

- 722.1 Corporate Offices;
- 722.2 Information Systems and Physical Data Rooms;
- 722.3 Control Center;
- 722.4 Operations & Maintenance Buildings;
- 722.5 Substations;
- 722.6 Wind Turbines;
- 722.7 Solar Parks
- 722.8 Storage Facilities;
- 722.9 Emergency Control Centers; and
- 722.10 Others as specific to RWE RA.

723 Only those persons who have been officially notified to report to these areas are to have access. It is the responsibility of all Department Heads and Management personnel to ensure that these areas remain secure.


724 Access to areas restricted by local law enforcement agencies or hired security services will be obtained through coordination with the EMC in order to assess damages to its facilities and to begin the recovery and restoration process. It is to be understood that no RWE RA personnel are to approach law enforcement personnel without clearance from the EMC in order to ensure the safety and security of all persons. Upon leaving an area that is restricted, all RWE RA personnel are to notify the EMC and the law enforcement personnel on site of their departure. If a log is being maintained by those agencies, it must be signed.

7.3 Injuries

73.1 In the event that emergency medical treatment is required for RWE RA personnel, all persons involved should act in a manner that is in the best interest of the injured person, considering the circumstances and severity of the injury.

73.2 For serious injuries, do not drive the injured party to the hospital. Wait for the EMS or Airlift.

73.3 In any case, the EMC should be notified.

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	33 of 45

734 If an employee is taken to the hospital, it is the responsibility of the HR Department to notify that employee's family and, in addition, go to the hospital to assist that family in whatever means possible. No other personnel are to notify the family.

735 If treatment other than hospitalization is required, the same guidelines apply. Injuries that do not require hospitalization or a visit to the doctor's office should be treated on site and appropriate decisions made regarding the continuation of work. It will be the responsibility of the individual in charge at the site to make such decisions. As soon as possible, the employee's supervisor must log the incident in [the Incident Reporting System](#).

736 Refer to [HSE.BU-10.1, Incident Notification](#) for injury reporting requirements.

8.0 **Assistance and Resources**

8.1 **Vendors and Contractors**


Suppliers and contractors are valuable resources in the event of an emergency. These resources can be used to procure needed equipment, supplies, labor, and expertise. Forms for a listing of contractors, vendors and suppliers including contact names, addresses and telephone numbers by site specific locations can be found as [HSE.F.P-011.D, EAP Contractors and Equipment Companies Form](#) and [HSE.F.P-011.E, EAP Vendors and Suppliers Form](#) in Site Specific Emergency Action Plans ([HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan \(EAP\)](#), [HSE.P-011.B, Solar Park Site Specific Emergency Action Plan \(EAP\)](#), and [HSE.P-011.C, Office Site Emergency Action Plan \(EAP\)](#)).

8.2 **Vehicles and Heavy Equipment**

RWE RA maintains a fleet of vehicles for RWE RA transportation. In addition, heavy pieces of construction equipment are owned by RWE RA. Forms for listing vehicles and construction equipment, including their locations are included in [HSE.F.P-011.F, EAP Vehicles and Heavy Equipment Form](#) in Site Specific Emergency Action Plans ([HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan \(EAP\)](#), [HSE.P-011.B, Solar Park Site Specific Emergency Action Plan \(EAP\)](#), and [HSE.P-011.C, Office Site Emergency Action Plan \(EAP\)](#)).

8.3 **Safety and Test Equipment**

RWE RA maintains safety equipment for RWE RA use. A complete list of safety equipment by location is included in [HSE.F.P-011.G, EAP Safety and Testing](#)

	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	34 of 45

Equipment Form in Site Specific Emergency Action Plans (HSE.P-011.A, Wind Farm Site Specific Emergency Action Plan (EAP), HSE.P-011.B, Solar Park Site Specific Emergency Action Plan (EAP), and HSE.P-011.C, Office Site Emergency Action Plan (EAP)).

8.4 Site Satellite Phones

- 8.4.1 Every manned site and Control Center will maintain a Site Satellite Phone to be available for emergency communications. A list of the Satellite Phone dial in numbers is included in [HSE.F.P-011.A, EAP Site Satellite Phone Dial-in Numbers Form](#) in the attachments section.
- 8.4.2 Solar parks are not typically manned. The solar EMC/CMT will have a go-kit that will include satellite phones, as required to support communication between sites involved in the incident the EMC and their Control Center.

9.0 **References**


FEMA Are You Ready? An In-depth Guide to Citizen Preparedness
http://www.fema.gov/pdf/areyouready/areyouready_full.pdf
 OSHA 1910.38 Employee Emergency Action Plans
 Office Building Management Emergency Handbooks

[Incident Reporting System](#)

[P 10, Incident Notification](#)
[HSE.OP-001, Equipment Clearance Lockout/Tagout](#)
[HSE.OP-002, Installation and Removal of Personal Safety Grounds](#)
[HSE.OP-003, Switching Requirements](#)
[HSE.OP-009, Hazardous Communication](#)
[HSE.OP-022, Inclement Weather & Lightning Protection Safety](#)
[HSE.OP-023, Site Safety Orientation](#)
[HSE.OP-029, First Aid & Bloodborne Pathogens](#)
[HSE.OP-004, Fall Protection & Climbing Safety Rules](#)
[HSE.OP-007, Confined Spaces](#)
[HSE.P-011.A.ANA, Wind Farm Site Emergency Action Plan: Anacacho](#)

HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	35 of 45

HSE.P-011.A.BB, Wind Farm Site Emergency Action Plan: Bruenning's Breeze
 HSE.P-011.A.CHP, Wind Farm Site Emergency Action Plan: Champion
 HSE.P-011.A.COCO, Wind Farm Site Emergency Action Plan: Colbeck's Corner
 HSE.P-011.A.CRA, Wind Farm Site Emergency Action Plan: Cranell
 HSE.P-011.A.FC, Wind Farm Site Emergency Action Plan: Forest Creek
 HSE.P-011.A.GVW, Wind Farm Site Emergency Action Plan: Grandview
 HSE.P-011.A.INA, Wind Farm Site Emergency Action Plan: Inadale
 HSE.P-011.A.MAV, Wind Farm Site Emergency Action Plan: Magic Valley
 HSE.P-011.A.MUN, Wind Farm Site Emergency Action Plan: Munnsville
 HSE.P-011.A.PC, Wind Farm Site Emergency Action Plan: Panther Creek
 HSE.P-011.A.PAP, Wind Farm Site Emergency Action Plan: Papalote Creek
 HSE.P-011.A.PEY, Wind Farm Site Emergency Action Plan: Peyton Creek
 HSE.P-011.A.PIO, Wind Farm Site Emergency Action Plan: Pioneer Trail
 HSE.P-011.A.PYR, Wind Farm Site Emergency Action Plan: Pyron
 HSE.P-011.A.RR, Wind Farm Site Emergency Action Plan: Radford's Run
 HSE.P-011.A.RAY, RAYW Wind Farm Site Emergency Action Plan:
 Raymond/Raymond West
 HSE.P-011.A.ROS, Wind Farm Site Emergency Action Plan: Roscoe
 HSE.P-011.A.SB, Wind Farm Site Emergency Action Plan: Sand Bluff
 HSE.P-011.A.SCI, Wind Farm Site Emergency Action Plan: Scioto Ridge
 HSE.P-011.A.SET, Wind Farm Site Emergency Action Plan: Settler's Trail
 HSE.P-011.A.SC, Wind Farm Site Emergency Action Plan: Stony Creek
 HSE.P-011.A.STE, Wind Farm Site Emergency Action Plan: Stella
 HSE.P-011.A.WC, Wind Farm Site Emergency Action Plan: Wildcat
 HSE.P-011.B.ALM, Solar Park Site Emergency Action Plan: Alamo
 HSE.P-011.B.FTH, Solar Park Site Emergency Action Plan: Fort Huachuca
 HSE.P-011.B.TP, Solar Park Site Emergency Action Plan: Tech Park
 HSE.P-011.B.VAL, Solar Park Site Emergency Action Plan: Valencia
 HSE.P-011.B.WTP, Solar Park Site Emergency Action Plan: West of the Pecos
 HSE.P-011.C.AUS, Office Site Emergency Action Plan: Austin
 HSE.P-011.C.CHI, Office Site Emergency Action Plan: Chicago
 HSE.P-011.C.SF, Office Site Emergency Action Plan: San Francisco
 P-015.MUN, Spill Prevention Control and Countermeasure Plan: Munnsville
 P-015.PIO, Spill Prevention Control and Countermeasures Plan: Pioneer Trail
 P-015.SET, Spill Prevention Control and Countermeasures Plan: Settler's Trail
 P-015.SC, Spill Prevention Control and Countermeasures Plan: Stony Creek
 P-015.WC, Spill Prevention Control and Countermeasures Plan: Wildcat
 HSE.P-015.ANA, Spill Prevention Control and Countermeasures Plan: Cranell
 HSE.P-015.CRA, Spill Prevention Control and Countermeasures Plan: Anacacho
 HSE.P-015.RCPI, Spill Prevention Control and Countermeasures Plan: Roscoe,
 Champion, Pyron, Inadale

HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	36 of 45

[HSE.P-015.MAV, Spill Prevention Control and Countermeasures Plan: Magic Valley](#)
[HSE.P-015.PAPI, Spill Prevention Control and Countermeasures Plan: Papalote Creek I](#)
[HSE.P-015.PAPII, Spill Prevention Control and Countermeasures Plan: Papalote Creek II](#)
[HSE.P-015.PEY, Spill Prevention Control and Countermeasures Plan: Peyton Creek](#)
[HSE.P-015.RAY, Spill Prevention Control and Countermeasures Plan: Raymond \(under development\)](#)
[HSE.P-015.RAYW, Spill Prevention Control and Countermeasures Plan: Raymond West \(under development\)](#)
[HSE.P-002.A Hot and Cold Weather Emergency Operations](#)
[HSE.P-002.C Restoration of Service Plan](#)
[HSE.P-002.D Pandemic Plan](#)
[HSE.P-002.E.1 Hurricane Preparedness Plan](#)
[HSE.P-002.E.2 Hurricane Recovery Plan](#)
[HSE.P-002.F Cyber Security](#)
[HSE.P-002.G Physical Security](#)
[HSE.F.P-002.A, EOP Post Event Report Form](#)
[HSE.F.P-002.B, EOP Emergency Management Contact Information Form](#)
[HSE.F.P-002.C, EOP Emergency Management Committee Control Log](#)
[HSE.F.P-002.D, EOP Bomb or Terrorist Threat Report Form](#)
[HSE.F.P-002.E, EOP Site Evaluation Report Form](#)
[HSE.F.P-002.F, EOP Emergency Management Notification Report Form](#)
[HSE.F.P-002.G, EOP External Request for Information Report](#)
[HSE.F.P-002.H, EOP Essential Functions and Personnel Form](#)
[HSE.F.P-002.I, EOP Employee Acknowledgement Form](#)
[HSE.F.P-011.A, EAP Site Satellite Phone Dial In Numbers Form](#)
[HSE.F.P-011.B, EAP Site Specific Data Form](#)
[HSE.F.P-011.C, EAP Media Contacts Form](#)
[HSE.F.P-011.D, EAP Contractors and Equipment Companies Form](#)
[HSE.F.P-011.E, EAP Vendors and Suppliers Form](#)
[HSE.F.P-011.F, EAP Vehicles and Heavy Equipment Form](#)
[HSE.F.P-011.G, EAP Safety and Testing Equipment Form](#)

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	37 of 45

10.0 Document Change Log

REVISION	DATE	NATURE OF CHANGE	AUTHOR
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HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	38 of 45

I			
I			
I			
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HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	39 of 45

11	10/18/18	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	4/12/2022	Revised to comply with PUCT Revised Rule 25.53. This revision supersedes all previous versions of the EOP.	C. Carey

HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	40 of 45

Appendix 1:
Emergency Management Committee and Support Departments Contacts List

HSE.P-002 (HSE.P-021.A.25)


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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	41 of 45

Appendix 2:
HSE.P-002 Incident Escalation Process Flowchart


HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	42 of 45

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	43 of 45

Appendix 3:
Affidavit of Compliance with P.U.C. Substantive Rule § 25.53

Project Number: 53385

BEFORE ME, the undersigned authority on this ____ day of _____, personally appeared Silvia Ortín Rios who being me duly sworn on oath deposed and said:

1. My name is Silvia Ortín Rios. My position with RWE Renewables Americas, LLC (RWERA) is Chief Executive Officer (CEO) & Chief Operating Officer (COO) Onshore Wind and Solar Americas. In that position, I am the highest-ranking representative, official or officer and have binding authority for each RWERA entity which is a Power Generation Company (PGC) registered with the Public Utility Commission of Texas.
2. Relevant operating personnel at RWERA are familiar with and have received training on the applicable contents and execution of the EOP, and such personnel are instructed to follow the applicable portions of the EOP except to the extent deviations are appropriate as a result of specific circumstances during the course of an emergency.
3. RWERA's EOP has been reviewed and approved by the appropriate executives.
4. Drills are regularly conducted to the extent required by §25.53(f).
5. RWERA's EOP or an appropriate summary is distributed to local jurisdictions as needed.
6. RWERA maintains a business continuity plan that addresses returning to normal operations after disruptions caused by an incident.
7. RWERA's emergency management personnel who are designated to interact with local, state, and federal emergency management officials during emergency events have received the latest IS-100, IS-200, IS-700, and IS-800 National Incident Management System training.

Signature: _____

Signatory: Silvia Ortín Rios

Title: CEO & COO, Onshore Wind and Solar Americas


SUBSCRIBED AND SWORN TO BEFORE ME the undersigned authority on this the __ day of _____.

STATE OF TEXAS
COUNTY OF TRAVIS

Notary Public in and for the State of Texas


HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	44 of 45

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Emergency Operations Plan All Sites	Number:	HSE.P-002
		Issued:	4/12/2022
		Revision:	16
		Page:	45 of 45

Appendix 4:
CS Form 207, Incident Organization Chart Form

HSE.P-002 (HSE.P-021.A.25)

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	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	1 of 7

Table of Contents

- 1.0 Purpose**
- 2.0 Introduction and Definitions**
- 3.0 Responsibilities**
- 4.0 Hot or Cold Weather Emergency**
- 5.0 Document Change Log**

	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	2 of 7

1.0 **Purpose**

The purpose of this procedure is to provide RWE Renewables Americas (RWE RA) personnel with a guide to what precautions and actions are required in the event that the site, or surrounding areas, were to experience extreme hot or cold weather. The focus will be on employee safety and asset integrity.


2.0 **Introduction and Definitions**

2.1 **What is a Hot or Cold weather emergency?**

- 2.1.1 A Hot or Cold emergency is an event triggered by abnormally hot or cold weather resulting in a situation where the margin of between supply and demand on the grid is abnormally small or where extreme weather may cause concern over reliable operations – either due to weather exceeding equipment limitations or safe access by site personnel.

3.0 **Responsibilities**

- 3.1 The Site Supervisor will form Hot and Cold weather Preparedness Teams prior to June 1 and Dec 1, respectively. The team will follow the guidelines set forth in this plan.
- 3.2 The Control Center will monitor for Hot and Cold weather notices from the ISO or RTO and will issue alerts and status updates on the Daily Report. The Control Center can be reached at [REDACTED]
- 3.3 Once the Hot or Cold Weather Emergency has been identified, the Control Center will continue to monitor the event and provide regular updates.
- 3.4 The applicable Regional (Sr) Vice President of Operations, in coordination with the Executive Vice President of Operations shall evaluate whether the Hot or Cold Weather Emergency warrants the activation of RWE's Emergency Management Committee.

	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	3 of 7


4.0 Hot and Cold Weather Emergency

4.1 Operational Plans for Responding to Hot or Cold Weather Emergency

- 4.1.1 Stop non-critical maintenance activities.
- 4.1.2 Evaluate standing up emergency operations committee.
- 4.1.3 Submit new and update existing outages to the Control Center.
- 4.1.4 See checklist found in section 4.3 checklist for personnel to use during a hot or cold weather emergency.

4.2 Fuel Switching Equipment

- 4.2.1 Fuel switching not applicable for RWE's power generation facilities.


	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	4 of 7

4.3 Hot or Cold Weather Response Checklist

Technology	Item	Description
Wind	Fuel - Emergency Generators	Ensure emergency generator fuel supplies are topped off.
	Fuel - O&M Vehicles	Ensure O&M vehicles are fueled and ready.
	Cooling Fans - Main Power Transformer	Ensure MPT cooling fans are on/off as appropriate
	Cancel any planned outages	Ensure all generation capable of operating is available.
	New Outages	Ensure outages are updated with RWE Dispatch as conditions change.
Solar	Fuel - Emergency Generators	Ensure emergency generator fuel supplies are topped off.
	Fuel - O&M Vehicles	Ensure O&M vehicles are fueled and ready.
	Cooling Fans - Main Power Transformer	Ensure MPT cooling fans are on/off as appropriate
	New Outages	Ensure outages are updated with RWE Dispatch as conditions change.
Battery Storage	Fuel - Emergency Generators	Ensure emergency generator fuel supplies are topped off.
	Fuel - O&M Vehicles	Ensure O&M vehicles are fueled and ready.
	Cooling Fans - Main Power Transformer	Ensure MPT cooling fans are on/off as appropriate
	Battery container HVAC system	Ensure the temp sensors are reading correctly and all cabinet doors are secured. Clean the filter.
	New Outages	Ensure outages are updated with RWE Dispatch as conditions change.
OPS / Sr. VP	EMC Initialization	OPS VP / Sr. VP - Take decision on initializing the Emergency Management Committee
EMC / Sr. VP	Assign Incident Commander (IC)	Notify of assignment for the Incident Commander
EMC	Notify the CMT	Notification to Crisis Management Team (Board)
IC	Establish CUB	Establish the Commanders Update Brief agenda & frequency
IC	Establish CUB	Send appropriate meeting invitations

HSE.P-002.A

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		RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
			Issued:	3/31/22
			Revision:	0
			Page:	5 of 7
IC	Notify the Commercial Team	Notify the Commercial team of the incident via three way communication.		
Engineering	Modify Equipment	Evaluate opportunity to modify equipment operating envelopes to keep units in service		

5.0 **Extreme Heat and Cold Safety**

5.1. Extreme Heat


- 5.1.1. Stay indoors as much as possible and limit exposure to the sun.
- 5.1.2. Stay on the lowest floor out of the sunshine if air conditioning is not available.
- 5.1.3. Consider spending the warmest part of the day in air- conditioned facilities.
- 5.1.4. Eat well-balanced, light, and regular meals. Avoid using salt tablets unless directed to do so by a physician.
- 5.1.5. Drink plenty of water and limit intake of alcoholic beverages after working hours.
- 5.1.6. Dress in loose-fitting, lightweight, and light-colored clothes that cover as much skin as possible.
- 5.1.7. Protect face and head by wearing a wide-brimmed hat.
- 5.1.8. Avoid strenuous work during the warmest part of the day. Use a buddy system when working in Hot and Cold heat, and take frequent breaks.

5.2. Extreme Cold


- 521. Listen to your radio, television, or NOAA Weather Radio for weather reports and emergency information.
- 522. Eat regularly and drink ample fluids, but avoid caffeine and alcohol.
- 523. Avoid overexertion when shoveling snow.
- 524. Overexertion can bring on a heart attack.
- 525. If you must shovel snow, stretch before going outside.
- 526. Watch for signs of frostbite. Signs include loss of feeling and white or pale appearance in extremities such as fingers, toes, ear lobes, and the tip of the nose. If symptoms are detected, get medical help immediately.
- 527. Watch for signs of hypothermia. Signs include uncontrollable shivering, memory loss, disorientation, incoherence, slurred speech, drowsiness, and apparent exhaustion.

HSE.P-002.A

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	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	6 of 7

528. If symptoms of hypothermia are detected, get the victim to a warm location, remove wet clothing, warm the center of the body first, and give warm, non-alcoholic beverages if the victim is conscious. Get medical help as soon as possible.
529. Conserve fuel, if necessary, by keeping your building cooler than normal.
5210. Temporarily close off heat to some rooms.
5211. Maintain ventilation when using kerosene heaters to avoid build-up of toxic fumes. Refuel kerosene heaters outside and keep them at least three feet from flammable objects.
5212. Drive only if it is necessary. If you must drive, consider the following:
- Travel in the day, don't travel alone, and keep others informed of your schedule
 - Stay on main roads; avoid back road shortcuts

	RWE Renewables Americas Annex A Hot and Cold Weather Emergency Operations Plan	Number:	HSE.P-002.A
		Issued:	3/31/22
		Revision:	0
		Page:	7 of 7

6.0. **Document Change Log**

REVISION	DATE	NATURE OF CHANGE	AUTHOR
0	3/31/22	Original Issue	T. Nelson

	RWE Renewables Americas Annex C Restoration of Services Checklist	Number:	HSE.P-002.C
		Issued:	3/31/22
		Revision:	0
		Page:	1 of 2

Annex C – Restoration of Service Checklist

Table of Contents

- 1.0 Purpose**
- 2.0 Introduction and Definitions**
- 3.0 Restoration of Service Plan**
- 4.0 Document Change Log**

1.0 Purpose

The purpose of this procedure is to provide RWE Renewables Americas (RWE RA) personnel with a guide for precautions and actions which are necessary to recover from an unplanned outage.

2.0 Introduction and Definitions

Unplanned Outage - An unplanned outage is an event triggered by fault condition on either the bulk electric system (BES) or the generation assets substation and/or collection system that results in a situation where generating capabilities are forced out of service.


Bulk Electric System (BES) - Collectively, a network of synchronized power providers and consumers that are connected by transmission and distribution lines and operated by one or more control centers.

Battery Energy Storage System (BESS) - store energy so system operators can use their energy to soft transition from renewable power to grid power for uninterrupted supply.

3.0 Restoration of Service Plan

Following a plant outage event, the following actions should be taken when restoring normal operations.

- ☐ If outage caused by internal fault on the collection system, or low side / high side bus, inspect all turbines (inverters for Solar and Storage), PMT's, and j-boxes for damage.

	RWE Renewables Americas Annex C Restoration of Services Checklist	Number:	HSE.P-002.C
		Issued:	3/31/22
		Revision:	0
		Page:	2 of 2

- ☐ Visually inspect substation equipment prior to re-energizing. Look for signs of damaged equipment or materials that may have been introduced to the substation equipment.
- ☐ Coordinate with transmission owner for permission to close high-side substation equipment (breakers)
- ☐ Energize high-side substation equipment using established switching procedures, including main power transformer
- ☐ Allow transformer to soak for time determined by engineering
- ☐ Coordinate reenergization with any collocated generation capability i.e., Battery Energy Storage System (BESS) or Solar.
- ☐ Energize low-side substation equipment.
- ☐ Energize collection system and turbines (inverters for Solar and Storage).
- ☐ Return turbines (inverters for Solar and Storage) to normal operation/run mode.
- ☐ Troubleshoot any turbines (inverters for Solar and Storage) not able to return to service.

4.0 Document Change Log

REVISION	DATE	NATURE OF CHANGE	AUTHOR
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	<p style="text-align: center;">CONFIDENTIAL</p> <p style="text-align: center;">RWE Renewables Americas Annex D Pandemic Plan</p>	Number:	HSE.P-002.D
		Issued:	3/31/22
		Revision:	0
		Page:	1 of 4

Table of Contents

1.0 Purpose

The purpose of this document is to establish a plan for the business continuity of the Site Operations and Support Services Departments in the event of a pandemic declaration.

2.0 Introduction and Definitions

3.0 Responsibilities

a. Human Resources

Human Resources (HR) will be responsible for notifying the EMC of a public pandemic declaration and provide the pandemic declaration information to the ENC until the pandemic declaration is cancelled. HR will regularly monitor the information sites and situation reports listed for a pandemic declaration:


1. Texas Department of State Health Services, www.dshs.state.tx.us
2. Center of Disease Control and Prevention, www.bt.cdc.gov
3. Federal Emergency Management Agency (FEMA), www.fema.gov
4. Federal Planning & Response Planning, www.pandemicful.gov, See Appendix Federal and WHO Pandemic Phases
5. Texas Governor's Division of Emergency Management, www.dshs.state.tx.us/dem
6. World Health Organization, www.who.int/countries/usa/en/

HR will be responsible for identifying essential RWE functions, critical personnel, and their backups to try to protect the critical personnel from contracting the pandemic disease. Depending on the severity of the pandemic event, preventative measures could include requesting voluntary vaccinations, on-site quarantine, restricted travel, and restricted contact with family members and enforcement of stringent hygiene guidelines.

HR will maintain the pandemic programs database and keep the pandemic program database current with information from CDC, GDEM, and the World Health Organization (WHO).

Information will pertain to what the latest information is available on pandemics, including the latest alerts, proactive actions people can take to protect themselves, on-line training opportunities, definitions of pandemic terms and any other information deemed appropriate by RWE RA or requested by the employees.

The pandemic database will be available on RWE intranet site.

	<p style="text-align: center;">CONFIDENTIAL</p> <p style="text-align: center;">RWE Renewables Americas Annex D Pandemic Plan</p>	Number:	HSE.P-002.D
		Issued:	3/31/22
		Revision:	0
		Page:	2 of 4

HR will provide to employees via an orientation activity, an all hands message via email, public announcement and/or posting of the information at common employee sites; lunch room, building entry/exit points, restrooms, or any area where employees come in contact with each other on a regular basis, the availability of the pandemic database and the responses to a Pandemic Declaration.

Employees will be expected to provide this information to their families.

b. Emergency Management Committee (EMC)

The EMC will be responsible for notifying employees, families and critical suppliers/vendors regarding the restrictions of the critical personnel via the Communications Plan detailed in section “e”.

The EMC will designate a Pandemic Manager to assess and provide event guidance when a Pandemic Declaration is made.

d. Quarantine and Travel Restrictions

The EMC may impose restrictions on travel and contact with other employees, including family members, suppliers and vendors, and other community members. Restrictions on travel will be governed by guidelines established by CDC, GDEM, and the EMC per the Pandemic Declaration guidelines and EMC’s Situation Reports.


If quarantine restrictions are required — as determined by the EMC, on- site and secure suitable accommodations will be made available including bathrooms, sleeping space, furniture, cooking appliances, food stores, and communication and media equipment including radios, televisions, and telephones.

e. Communication

The EMC will be responsible for the pandemic declaration for RWE RA. Upon reviewing and verifying HR’s notification to the EMC of a pandemic declaration by CDC, GDEM, FEMA, or WHO, the EMC will immediately activate the Communications Plan to notify employees, their families, the PUC/SOC, local emergency management agencies, the media, suppliers, and vendors about RWE activation of its Pandemic Plan and EOP.

f. Security

Upon a pandemic declaration, the EMC will take immediate action to provide security for RWE facilities to prevent inadvertent or malicious actions that may contaminate RWE facilities and critical personnel. The EMC may also control the access to RWE facilities and travel by critical personnel.

	<p style="text-align: center;">CONFIDENTIAL</p> <p style="text-align: center;">RWE Renewables Americas</p> <p style="text-align: center;">Annex D Pandemic Plan</p>	Number:	HSE.P-002.D
		Issued:	3/31/22
		Revision:	0
		Page:	3 of 4

Depending on the severity of the pandemic event, this action may include establishing living arrangements within RWE facility for critical personnel and security resources.

g. Hygiene

In response to a pandemic declaration, the EMC will impose stringent hygiene controls on all areas of RWE occupied or used by employees. Facilities and/or equipment, including door handles, restrooms, telephones, keyboards, key pads, file drawer handles, and test equipment that see use by multiple people in a routine manner will receive additional attention. Particular attention will be made to all new deliverables that arrive at RWE facilities immediately after the pandemic declaration. The EMC will also be responsible for the following:

1. The EMC will maintain hygiene supplies in suitable quantities to maintain an enhanced hygiene program. Supplies will be routinely rotated for general use and for exercises/drills to assure a working shelf life. The following list may be required but not limited to:
2. Hygienic solutions including medical grade alcohol, household bleach, anti-germ cleaners and air sprays;
3. Cloth and paper cleaning towels;
4. Disposable paper uniforms and slippers;
5. Non-latex gloves;
6. Drawstring trash bags;
7. Bottled water;
8. Air/microbial masks; and
9. Over-the-counter drugs to reduce symptoms and promote recovery including:
10. Aspirin, Ibuprofen and Acetaminophen

The EMC will impose stringent hygiene rules that all employees must follow:

All common areas will be cleaned on a regular basis with anti- germ cleaners and treated with anti-germ air sprays.

All used cleaning materials will be stored away from secured facilities and personnel. Used cleaning materials will be removed to a qualified health handling service and safely disposed.

h. Incoming Supplies and Equipment


Incoming supplies and equipment and any other type of deliverable that arrives at RWE facilities immediately after the pandemic declaration, must be cleaned with anti-germ materials before being distributed.

All supplier, vendor, transportation, and delivery service companies must provide a statement of compliance and their pandemic procedures to RWE pandemic declaration before their goods and services will be received.

i. Pandemic Training and/or Exercises

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	<p align="center">CONFIDENTIAL</p> <p align="center">RWE Renewables Americas</p> <p align="center">Annex D Pandemic Plan</p>	Number:	HSE.P-002.D
		Issued:	3/31/22
		Revision:	0
		Page:	4 of 4

Pandemic training and/or exercises should be included in any type of emergency response training or exercise event to assure personnel are familiar with the Pandemic Plan including the enhanced hygiene program supplies.

The results of the pandemic training and/or exercises will be evaluated against the Pandemic Plan by the EMC. Any deficiencies in the Pandemic Plan must be addressed by updates or revisions to the Pandemic Plan.

5.0 Document Change Log

REVISION	DATE	NATURE OF CHANGE	AUTHOR
0	3/31/22	Original Issue	T. Nelson



	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	1 of 10

Table of Contents

- 1.0 Purpose**
- 2.0 Introduction and Definitions**
- 3.0 Responsibilities**
- 4.0 Hurricane Preparedness Team**
- 5.0 Hurricane Preparedness Stages**
- 6.0 Document Change Log**

Appendices

Appendix I– Bruenning’s Breeze Site Specific Data Sheet
 Appendix II-Black Jack Site Specific Data Sheet
 Appendix III-Cranell Site Specific Data Sheet
 Appendix IV- El Alga don Alto- Site Specific Data Sheet
 Appendix V– Magic Valley Site Specific Data Sheet
 Appendix VI – Papalote Creek Site Specific Data Sheet
 Appendix VII-Peyton Creek Site Specific Data Sheet
 Appendix VIII-Raymond Site Specific Data Sheet
 Appendix IX – Stella Site Specific Data Sheet

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	2 of 10

1.0 **Purpose**

The purpose of this procedure is to provide RWE Renewables Americas (RWE RA) Texas Coastal Wind Farm personnel with a guide to what precautions and actions are required in the event that this site, or surrounding areas, were to become the target of a hurricane force storm. The primary focus will be on employee safety. The secondary focus is to protect RWE RA site assets. This plan will offer an effective means to have dedicated personnel and supplies available on site. This plan will also offer employees resources to prepare their personal preparedness plan.


2.0 **Introduction and Definitions**

2.1 **What is a Hurricane?**

- 2.1.1 A hurricane is a type of tropical cyclone, the generic term for a low pressure system that generally forms in the tropics. A typical cyclone is accompanied by thunderstorms, and in the Northern Hemisphere, a counterclockwise circulation of winds near the earth's surface.
- 2.1.2 All Atlantic and Gulf of Mexico coastal areas are subject to hurricanes or tropical storms. Parts of the Southwest United States and the Pacific Coast experience heavy rains and floods each year from hurricanes spawned off of Mexico. The Atlantic hurricane season lasts from June to November, with the peak season from mid-August to late October.
- 2.1.3 Hurricanes can cause catastrophic damage to coastlines and several hundred miles inland. Winds range from 74 to 155 miles per hour. Hurricanes and tropical storms can also spawn tornadoes and microbursts, create storm surges along the coast, and cause extensive damage from heavy rainfall.
- 2.1.4 Hurricanes are classified into five categories based on their wind speed, central pressure, and damage potential (see chart). Category Three and higher hurricanes are considered major hurricanes, though Categories One and Two are still extremely dangerous and warrant your full attention.

- 2.2 **Advisory:** Official information issued by tropical cyclone warning centers describing all tropical cyclone watches and warnings in effect along with details concerning tropical cyclone locations, intensity and movement, and precautions that should be taken. Advisories are also issued to describe: (a) tropical cyclones prior to issuance of watches and warnings and (b) subtropical cyclones.

- 2.3 **Hurricane Watch:** An announcement that sustained winds of 74 mph or higher are *possible* within the specified area in association with a tropical, subtropical, or post-tropical cyclone. Because hurricane preparedness activities become difficult once

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	3 of 10


winds reach tropical storm force, the hurricane watch is issued **48 hours** in advance of the anticipated onset of tropical storm force winds.

- 2.4 Hurricane Warning:** An announcement that sustained winds of 74 mph or higher are expected somewhere within the specified area in association with a tropical, subtropical, or post-tropical cyclone. Because hurricane preparedness activities become difficult once winds reach tropical storm force, the warning is issued **36 hours** in advance of the anticipated onset of tropical-storm-force winds. The warning can remain in effect when dangerously high water or a combination of dangerously high water and waves continue, even though winds may be less than hurricane force.
- 2.5 Hurricane Season:** The normal hurricane season is from June 1st to November 30th each year. Throughout this plan, the term hurricane and storm season will refer to these dates.

Category	Winds (mph)
1	74-95
2	96-110
3	111-129
4	130-156
5	156+

- 2.6 Tropical Storm:** A tropical cyclone in which the maximum sustained surface wind speed ranges from 39-73 mph.
- 2.7 Tropical Storm Watch:** An announcement that sustained winds of 34-73 mph are possible within the specified area within **48 hours** in association with a tropical, subtropical, or post-tropical cyclone.
- 2.8 Tropical Storm Warning:** An announcement that sustained winds of 34-73 mph are expected somewhere within the specified area within **36 hours** in association with a tropical, subtropical, or post-tropical cyclone.

Follow site specific safety regulations and guidelines specified in HSE.OP-022, Inclement Weather & Lightning Protection Safety.


	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	4 of 10

3.0 **Responsibilities**

- 3.1 The Site Supervisor will form Hurricane Preparedness Teams prior to June 1. The team will follow the guidelines set forth in this plan.
- 3.2 Once the National Oceanic and Atmospheric Administration (NOAA) or National Weather Service (NWS) has announced a tropical storm in the Atlantic Ocean or Gulf of Mexico that could impact the Wind Farm, the storm will be tracked. Go to www.nws.noaa.gov for tracking storms.
- 3.3 The Austin Control Center will monitor for hurricane activity in season and will issue alerts and status updates on the Daily Report. The Austin Control Center can be reached at ([REDACTED])
- 3.4 The Austin Control Center personnel and the Wind Farm personnel shall annually review the contents of this Plan prior to the start of hurricane season every May.

4.0 **Hurricane Preparedness Site Team**

- 4.1 The Site Team shall consist of the Site Supervisor and sufficient numbers of the employees to physically complete its tasks.
- 4.2 The Site Team shall have employees who are familiar with the Hurricane Preparedness Plan to fill in for essential team members in the event that these members are not present.
- 4.3 The Site Team shall perform monthly site audits during hurricane season using HSE.F.P-003.B Safety Walk Corrective Action Plan.
- 4.4 Monthly site audits are documented using the Observations & Inspections module within HUVR to evaluate the O&M warehouse, equipment laydown yard, secondary containment storage area, and switchyard to identify and correct findings associated with preparing the site for hurricane force winds.
- 4.5 The Site Supervisor shall designate frequency and dates for Site Team meetings based on monthly site audits and storm activity.
- 4.6 The Site Supervisor shall sponsor an annual team drill prior to the beginning of each hurricane season (May of each year). The team drill shall consist of a table top simulation of all stages of the Hurricane Preparedness Plan. See HSE.F.P-003.A,


	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	5 of 10

Hurricane Preparedness Implementation Plan Checklist.


- 4.7** Immediately following the drill, the Site Team shall perform an initial site audit.
- 4.8** The Site Team shall request a revision of the Hurricane Plan after the annual drill and site audit if needed. All revision requests must be submitted to HSE Department following proper document change request procedure using HSE.F.BU-6.1.D, Document Change Request, Review, and Approval Form. See HSE.BU-6.1, HSE Management System Document Control Procedure for further instructions.
- 4.9** Critical assets for potential evacuation at the site need to be addressed.
- 4.10** The Site Supervisor shall maintain a list of vehicles and personnel that will be utilized to evacuate assets.
- 4.11** Turbines shall be placed in pause when sustained wind speeds exceed 15 m/s unless different instruction has been provided by RWE Engineering.

Wind Farm	Wind Cut-out (m/s)	Survival Wind Speed (m/s)
Bruenning's Breeze	25	59.5
Cranell	25	59.5
Black Jack Creek	25	59.5
El Algodon Alto	25	59.5
Magic Valley	20	59.5
Papalote Creek I	20	59.5
Papalote Creek II	25	59.5
Peyton Creek/Stella	25	59.5
Raymond	25	59.5

- 4.12** Prior to the beginning of each Hurricane Season (June 1st), the Regional VP of Operations will coordinate with the HSE Regional Coordinator to provide names of re-entry authorized personnel to the Local Emergency Planning Committee (LEPC).
- 4.13 NOTE: the following Stage Rules could change:**
 - 4.13.1 The initial audit and drill could determine a need to change timing and language of the Hurricane Preparedness Plan.
 - 4.13.2 NOAA or NWS will not specifically name the Wind Farm. The team will have to use projected paths.

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	6 of 10

- 4.133 Employees will only be given recommendations to develop and implement their own personal hurricane plan.
- 4.134 Employees will not be given directives as how to develop and implement their personal hurricane plan.
- 4.135 Employees will be responsible for their evacuations.
- 4.136 Essential/Critical will be defined as necessary for operation.

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	7 of 10

5.0 Hurricane Preparedness Stages

5.1 Stage 1 (Hurricane Advisory)

- NOAA or NWS has identified a storm that is projected to become a tropical storm or hurricane in the Atlantic or Gulf that has the potential to impact the Wind Farm.
- 5.1.1 See HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist for specific actions to be taken.
- 5.1.2 The Austin Control Center will include storm track information on their (twice-daily) Shift Reports.

5.2 Stage 2 (Hurricane Advisory)


- NOAA or NWS has advised that a tropical storm or hurricane could impact the Wind Farm within 108 hours (4.5 days).
- 5.2.1 See HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist for specific actions to be taken.

5.3 Stage 3 (Hurricane Advisory)

- NOAA or NWS has advised that a hurricane could impact the Wind Farm within 96 hours (4 days).
- 5.3.1 See HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist for specific actions to be taken.

5.4 Stage 4 (Hurricane Advisory)

- NOAA or NWS has advised that a hurricane could impact the Wind Farm within 72 hours (3 days).
- 5.4.1 See HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist for specific actions to be taken.
- 5.4.2 The Emergency Management Committee (EMC) will activate the EOP.
- 5.4.3 All personnel shall be ready to evacuate.

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number:	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	8 of 10

5.5 **Stage 5** (Hurricane Watch – Hurricane Warning)

- NOAA or NWS has advised that a hurricane will impact the Wind Farm within 48 hours (2 days).

5.5.1 See [HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist](#) for specific actions to be taken.

5.5.2 ALL PERSONNEL WILL BE OFF SITE.


6.0 **References**

[HSE.P-002, Emergency Operations Plan](#)
[HSE.P-004, Hurricane Recovery Plan](#)
[HSE.P-011.A.BB, Bruenning's Breeze Emergency Action Plan](#)
[HSE.P-011.A.CRN, Cranell Emergency Action Plan](#)
[HSE.P-011.A.EAA, El Agadon Alto Emergency Action Plan](#)
[HSE.P-011.A.MAV, Magic Valley Emergency Action Plan](#)
[HSE.P-011.A.PAPI, Papalote Creek I Emergency Action Plan](#)
[HSE.P-011.A.PAPII, Papalote Creek II Emergency Action Plan](#)
[HSE.P-011.A.PEY, Peyton Creek Emergency Action Plan](#)
[HSE.P-011.A.STE, Stella Emergency Action Plan](#)
[HSE.P-011.A.BJK, Black Jack Emergency Action Plan](#)
[HSE.P-011.A.RAY, Raymond E & W Emergency Action Plan](#)
[HSE.OP-022, Inclement Weather & Lightning Protection Safety](#)
[HSE.BU-6.1, HSE Management System Document Control Procedure](#)
[HSE.F.BU-6.1.D, Document Change Request, Review, and Approval Form](#)
[HSE.F.P-003.A, Hurricane Preparedness Implementation Plan Checklist](#)
[HUVR](#)

FEMA Emergency Management Guide for Business & Industry:
<http://www.fema.gov/pdf/library/bizindst.pdf>

National Hurricane Center Glossary:
<http://www.nhc.noaa.gov/aboutgloss.shtml#TROP CYC>

National Weather Service, National Oceanic and Atmospheric Administration:
www.nws.noaa.gov

	RWE Renewables Americas Hurricane Preparedness Plan-Annex E Part 1	Number::	HSE.P-002.E.1
		Issued:	3/30/2022
		Revision	7
		Page:	9 of 10

Document Change Log

REVISION	DATE	NATURE OF CHANGE	AUTHOR
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HSE.P-002.E.1

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SITE SPECIFIC DATA
(One site data description for each company site)

SITE NAMEBruenning's Breeze

ADDRESS

██████████

██████████

[illegible]

[illegible]

SITE SPECIFIC DATA
(One site data description for each company site)

SITE NAME
ADDRESS
MAIN FUNCTIONS

Cranell

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]



**HSE.F.P-011.B Emergency Action Plan, Appendix B:
Site Specific Data Form**

Category	Value	Value	Value
Category 1	10	20	30
Category 2	20	30	40
Category 3	30	40	50
Category 4	40	50	60
Category 5	50	60	70
Category 6	60	70	80
Category 7	70	80	90
Category 8	80	90	100
Category 9	90	100	110
Category 10	100	110	120
Category 11	110	120	130
Category 12	120	130	140
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SITE SPECIFIC DATA
(One site data description for each company site)

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Black Jack Wind Farm

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1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Discussion**
 6. **Conclusion**
 7. **References**
 8. **Appendix**
 9. **Figure 1**
 10. **Figure 2**
 11. **Figure 3**
 12. **Figure 4**
 13. **Figure 5**
 14. **Figure 6**
 15. **Figure 7**
 16. **Figure 8**
 17. **Figure 9**
 18. **Figure 10**
 19. **Figure 11**
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Page 10 of 10

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Page 10 of 10

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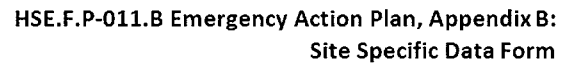
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Site Specific Data Form

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HSE.F.P-011.B Emergency Action Plan, Appendix B:
Site Specific Data Form

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(One site data description for each company site)

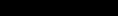
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FIGURE 1 | **Flowchart of the study.**

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SITE SPECIFIC DATA
(One site data description for each company site)

SITE NAME

Peyton Creek

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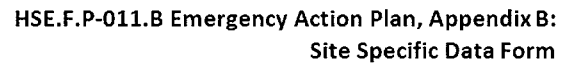
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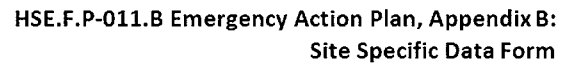
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	Sub-category 1.2	Value 1.2
Category 2	Sub-category 2.1	Value 2.1
	Sub-category 2.2	Value 2.2
Category 3	Sub-category 3.1	Value 3.1
	Sub-category 3.2	Value 3.2
Category 4	Sub-category 4.1	Value 4.1
	Sub-category 4.2	Value 4.2
Category 5	Sub-category 5.1	Value 5.1
	Sub-category 5.2	Value 5.2
Category 6	Sub-category 6.1	Value 6.1
	Sub-category 6.2	Value 6.2
Category 7	Sub-category 7.1	Value 7.1
	Sub-category 7.2	Value 7.2
Category 8	Sub-category 8.1	Value 8.1
	Sub-category 8.2	Value 8.2
Category 9	Sub-category 9.1	Value 9.1
	Sub-category 9.2	Value 9.2
Category 10	Sub-category 10.1	Value 10.1
	Sub-category 10.2	Value 10.2

To ensure you have a current version of this document, go to: [RWE RA SharePoint](#). If form is printed and not completed as a record, this document becomes a reference copy.



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HSE.F.P-011.B Emergency Action Plan, Appendix B:
Site Specific Data Form

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	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	1 of 13

Table of Contents

- 1.0 Purpose**
- 2.0 Scenario Assumption**
- 3.0 Responsibilities**
- 4.0 Hurricane Recovery Plan Phases**
- 5.0 Site Assessment Team Plan**
- 6.0 Site Assessment Team Response Kit**
- 7.0 Action Plan**
- 8.0 References**
- 9.0 Document Change Log**

Appendices

- Appendix I – List of Available Resources
- Appendix II – Recommended Site Assessment Team Response Kit Checklist
- Appendix III – Bruenning’s Breeze Site Specific Data Sheet
- Appendix IV- Cranell Specific Data Sheet
- Appendix V- Black Jack Site Specific Data Sheet
- Appendix VI- Magic Valley Specific Data Sheet
- Appendix VII – Papalote Creek I and II Site Specific Data Sheet
- Appendix VIII –El Algodon Alto Site Specific Data Sheet
- Appendix IX- Peyton Creek Site Specific Data Sheet
- Appendix X- Stella Specific Data Sheet
- Appendix XI – Raymond and West Raymond Site Specific Data Sheet

	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	2 of 13

1.0 **Purpose**

The purpose of this procedure is to provide RWE Renewables Americas (RWE RA) personnel with a guide to what precautions and actions are required if the site is the target of a hurricane force storm. The primary focus will be to safely restore RWE RA site assets and limit the effects of environmental contamination. This plan will offer an effective means to plan the return of site personnel, availability of supplies, and mobilization of resources needed for site restoration.


2.0 **Scenario Assumption**

- 2.1** The Wind Farm has been exposed to hurricane force winds and may have sustained damage as a result.
- 2.2** Hurricanes can cause catastrophic damage to coastlines and several hundred miles inland. Winds range from 74 to 155 miles per hour. Hurricanes and tropical storms can also spawn tornadoes and microbursts, create storm surges along the coast, and cause extensive damage from heavy rainfall.
- 2.3** **Hurricane Season:** The normal hurricane season is from June 1st to November 30th each year. Throughout this plan, the term hurricane and storm season will refer to these dates.

Category	Winds (mph)
1	74-95
2	96-110
3	111-130
4	131-155
5	155+

3.0 **Responsibilities**

- 3.1** RWE RA Emergency Management Committee (EMC) will form a Site Assessment Team. The team will utilize the guidelines in this plan as a recommendation. It is acknowledged that the plan will change depending on the extent of damage received at the site.
- 3.2** A recommended Site Assessment Team consists of:
 - 3.2.1 Regional Vice President of Operations (Team Leader)

	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	3 of 13


- 3.2.2 Regional Manager of Operations
- 3.2.3 Regional HSE Coordinator
- 3.2.4 Wind Farm Site Supervisor
- 3.2.5 Two High Voltage Electrically Qualified Technicians
- 3.2.6 Engineering – Electrical
- 3.2.7 Engineering – Civil/Structural

- 3.3 Prior to the beginning of each Hurricane Season (June 1st) the Regional VP of Operations will provide individual names of potential Site Assessment Team Members to the Site Supervisor to supply to the Local Emergency Planning Committee (LEPC).
- 3.4 The Coastal Bend LEPC maintains a list of re-entry authorizations provided by local companies for area access after storm events. This list is maintained at all area checkpoints/roadblocks. Only personnel with names on the LEPC re-entry list will be allowed access to the impacted area.
- 3.5 The Senior Vice President of Operations shall evaluate the “safe to return” inspection report issued by the RWE RA Hurricane Recovery Site Assessment Team prior to authorizing a return to site.

4.0 Hurricane Recovery Plan Phases

4.1 Phase One (day 1)

- 4.1.1 Purpose: To provide initial, rapid, visual assessment with written and photographic documentation of damage to the Emergency Management Committee (EMC) to establish a recovery plan.
- 4.1.2 Prior to driving to the site, obtain access availability report from LEPC or other sources as available. Do not enter site until the Site Assessment Team determines it is safe to do so.
- 4.1.3 Conduct site assessment to inventory and document damage sustained and to determine actions required for safe return of site personnel. This may entail initially conducting an aerial survey to view and assess the entire site using the site map and aerial photos. See HSE.F.P-004.A, Site Assessment - Disaster Recovery Form.
- 4.1.4 If or when a land-based survey is necessary, RWE RA personnel should


	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	4 of 13

consider the following Site Assessment Team Plan requirements as stated below.

- 4.1.5 The Site Assessment Team may need to secure and isolate the substation and the service building from the transmission and distribution system if damage has occurred to the facility or supply lines. Isolation from any other external powers sources shall take place by all means available. Lock-Out/ Tag-Out procedures will be followed to the maximum extent possible. See HSE.OP-001, Equipment Clearance Lock Out – Tag Out. All switching, isolation, and grounding will be performed by High Voltage Electrically Qualified Technicians.
- 4.1.6 Initial efforts will focus on establishing a safe command center, preferably in the service building. An initial safety survey of the service building will be conducted to determine if occupancy can be permitted. Once the safe occupancy can be established, power should be restored to the building via distribution system or by the site emergency generator. Efforts should be made to restore building lighting, communication, HVAC, and sanitary facilities to facilitate recovery and remediation work. If safe occupancy of the service building cannot be established, an alternative command facility will be established.
- 4.1.7 As soon as practicable, the Logistics Section Chief will contract with an environmental clean-up services vendor to coordinate the removal and proper disposal of debris and contaminated materials with the site.
- 4.1.8 The environmental clean-up services vendor will also coordinate with RWE RA site management for the staging and storage of cleanup materials that will be maintained during emergency response activities.

4.2 Phase Two (days 1-4)

- 4.2.1 Purpose: Conduct a land-based site assessment with the Site Assessment Team to determine the level of site remediation that will be required using the HSE.F.P-004.A, Site Assessment - Disaster Recovery Form and/or Take Care/Behavior Based Observations in the Observations & Inspections module within HUVR. Corrective actions can be assigned to individuals responsible for completing the task within the observation forms.
- 4.2.2 The following shall be considered:
 - 4.2.2.1 Debris (non-hazardous materials):
 - 4.2.2.1.1 Blades

	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	5 of 13

4.2.2.1.2 Tower parts

4.2.2.1.3 Nacelle parts

4.2.2.2 Petroleum Contamination (non-hazardous material with soil remediation):

4.2.2.2.1 Turbine Oil (approximately 200 gallons/turbine)

4.2.2.2.2 Pad-Mount Transformer Oil (approximately 600 gallons/PMT)

4.2.2.2.3 Main Power Transformer Oil (approximately 10,000 gallons/MPT)

4.2.2.2.4 Blade Pitch Hydraulic Oil

4.2.2.3 Turbine Radiators (hazardous material cleanup)

4.2.2.3.1 Radiator has been ejected from top of nacelle

4.2.2.3.2 Check if ejected radiator is leaking Ethylene Glycol (Antifreeze)

4.2.2.4 Power Lines (treat as energized state)

4.2.2.4.1 Conductors

4.2.2.4.2 Fixtures

4.2.2.4.3 Poles

4.2.2.5 Facilities

4.2.2.5.1 O&M Building

4.2.2.5.2 Warehouse

4.2.2.5.3 Oil Storage Pad

4.2.2.5.4 Substation


4.3 Phase Three (Day 4+)

4.3.1 Purpose: To start the restoration of services (contingent upon LEPC access) and establish a temporary Command Center.

4.3.2 A recommended Site Restoration Team consists of:

4.3.2.1 Project Manager (Regional VP of Operations)

4.3.2.2 Regional Manager of Operations

	RWE Renewables Americas Hurricane Recovery Plan- Annex E Part 2	Number:	HSE.P-002.E.2
		Issued:	3/30/2022
		Revision	4
		Page:	6 of 13

4.3.2.3 Operations Team (Operations Site Supervisor & 4 High Voltage Electrically Qualified Technicians)

4.3.2.4 Regional HSE Coordinator

4.3.2.5 Construction Team Member

4.3.2.6 Government Relations & External Affairs Team Member

4.3.2.7 Development Team Member

4.3.2.8 Human Resources Team Member

4.3.2.9 Insurance Claim Representative

4.3.2.10 Engineering- Electrical

4.3.2.11 Engineering- Controls

4.3.2.12 Procurement Team Member

4.3.2.13 Asset Information Systems Team Member

4.3.3 Once site remediation activities have been determined and initiated, RWE RA personnel will need to begin planning public interface with all concerned parties with general safety for everyone as a priority. This may include:

4.3.3.1 Interface with Land Owners: one person from the Development Team should be designated to direct these communications.

4.3.3.2 Control Access by General Public: it may be necessary to contract with a local security service in coordination with local law enforcement to restrict access to the site by the general public.

4.3.3.3 Media Control: the Public Information Officer is the primary media contact for RWE RA in accordance with the company's HSE.P-002, Emergency Operating Plan.

4.3.3.4 Biological Interface: the Site Supervisor will coordinate the capture of live animals and the removal of dead animals from the site as required. The Regional HSE Coordinator will provide support by coordinating with Development during this emergency event.

5.0 Site Assessment Team Plan

For initial land-based surveys the following recommendations should be considered:

5.1 A two-person team will evaluate the O&M building and warehouses, substation,

HSE.P-002.E.2

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