



GSPWR-HS-1

GoldenSpread Panhandle Wind Ranch
Facility Health, Safety and Environmental Plans

GSPWR-HS-01 Emergency Action Plan

[REDACTED]

[REDACTED]

[REDACTED]

Table 3-1: Cross Reference Matrix

Citation	Requirement	Cross Reference
29 CFR 1910.120(q)(2)(i)	Pre-emergency planning and coordination with outside parties	EAP, Section 5.0
29 CFR 1910.120(q)(2)(ii)	Personnel roles, lines of authority, training and communication	Roles: EAP, Section 4.0. Training: EAP, Section 16.0 Communications: EAP, Section 12.0
29 CFR 1910.120(q)(2)(iii)	Emergency recognition and prevention	EAP, Section 6.0; Fire Prevention Plan
29 CFR 1910.120(q)(2)(iv)	Safe distances and places of refuge	EAP, Section 8.0
29 CFR 1910.120(q)(2)(v)	Site safety and control	EAP, Section 8.0
29 CFR 1910.120(q)(2)(vi)	Evacuation routes and procedures	EAP, Section 8.0
29 CFR 1910.120(q)(2)(vii)	Decontamination	EAP, Section 15.2
29 CFR 1910.120(q)(2)(viii)	Emergency medical treatment and first aid	EAP, Section 14.0
29 CFR 1910.120(q)(2)(ix)	Emergency alerting and response procedures	EAP, Section 7.0, Section 9.0
29 CFR 1910.120(q)(2)(x)	Critique of response and follow up	EAP, Section 17.0
29 CFR 1910.120(q)(2)(xi)	PPE and emergency equipment	EAP, Section 13; Fire Protection Plan

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	GSPWR-HS-01 Emergency Action Plan

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

4.2 ERC Responsibilities

- [REDACTED]
- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]
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4.3 Incident Commander Responsibilities

- [REDACTED]
- [REDACTED]

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- [REDACTED]
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**6.0 EMERGENCY RECOGNITION, PREVENTION,
AND CLASSIFICATION**

6.1 Crisis Management

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
 - [REDACTED]
 - [REDACTED]
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 - [REDACTED]
 - [REDACTED]

6.2 Emergency Assessment

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
 - [REDACTED]
 - [REDACTED]
 - [REDACTED]

-
- | Service | Percentage |
|----------------------|------------|
| Online banking | 95% |
| Mobile banking | 92% |
| ATM withdrawals | 88% |
| Bill payments | 85% |
| Direct deposit | 82% |
| Cryptocurrency | 78% |
| Peer-to-peer lending | 75% |

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<div><div><div><div><div></div><div>PWR</div><div>PANHANDLE WIND RANCH</div></div></div><div><i>GSPWR-HS-1</i></div></div></div>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]
[REDACTED]

9.3 Decontamination

[REDACTED]
[REDACTED]

<div><div><div><div><div></div><div>PWR</div></div><div><div>PANHANDLE WIND RANCH</div></div></div><div><i>GSPWR-HS-1</i></div></div></div>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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10.0 FIRE RESPONSE

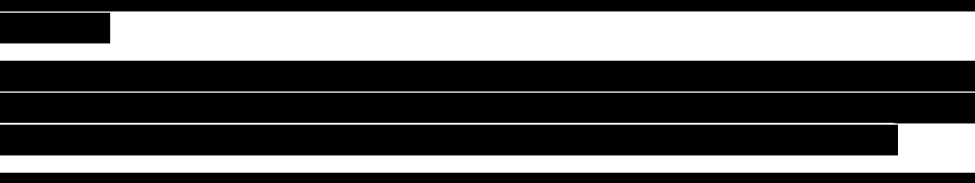
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- | | | |
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| 1 | [REDACTED] | |
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| | [REDACTED] | |
| 2 | [REDACTED] | |
| | [REDACTED] | |

- 
- | Category | Bar 1 (Left) | Bar 2 (Middle) | Bar 3 (Right) |
|----------|--------------|----------------|---------------|
| 1 | ~10% | ~95% | 100% |
| 2 | ~10% | ~95% | ~85% |
| 3 | ~10% | ~95% | ~90% |
| 4 | ~10% | 100% | ~25% |
| 5 | ~10% | 100% | ~75% |

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[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

[REDACTED]

11.3 Response to a Bomb Threat

11.3.1 Evacuation

[REDACTED]

11.3.2 Search Teams

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]


11.3.3 Suspicious Material Located

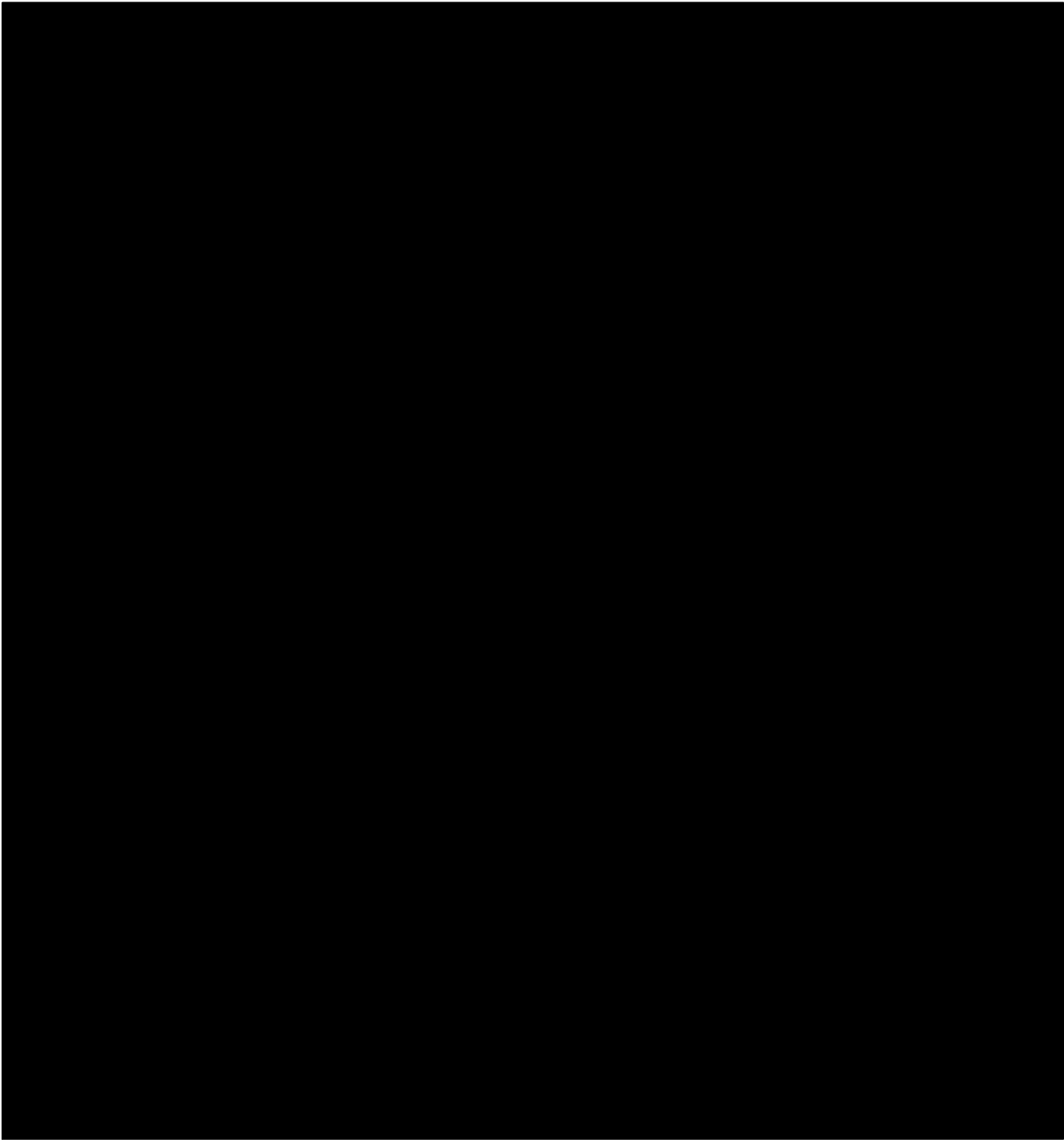
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11.3.4 Handling of the News Media

[REDACTED]

<div><p>PWR PANHANDLE WIND RANCH</p><p><i>GSPWR-HS-1</i></p></div>	<p>GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans</p>
	<p>GSPWR-HS-01 Emergency Action Plan</p>



-
- | Response | Percentage |
|---|------------|
| Yes, the current administration is responsible | 85% |
| No, the current administration is not responsible | 15% |

-

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■ [REDACTED]

[REDACTED]
[REDACTED]

12.2 Sabotage Recognition

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
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- A horizontal bar chart consisting of 10 rows. Each row contains a single black bar. The bars are arranged in a descending staircase pattern from top-left to bottom-right. The first bar is the longest, and each subsequent bar is shorter than the one above it. The bars are positioned such that they appear to be connected by a series of small gaps, creating a stepped effect.

[REDACTED]

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§ 87(2)(b)

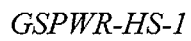
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12.4 Sabotage Communication

[REDACTED]

[REDACTED]

[REDACTED]



GSPWR-HS-01 Emergency Action Plan

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] [REDACTED]

[REDACTED]

[REDACTED]



GSPWR-HS-1

13.0 NOTIFICATION AND COMMUNICATION

[REDACTED]

13.1 Notification of Facility Personnel

[REDACTED]

[REDACTED]

[REDACTED]

13.2 Notification of Operators Corporate and Regional Personnel

[REDACTED]

[REDACTED]

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13.3 Notification of the Public

[REDACTED]

[REDACTED]

[REDACTED]

<div><div><div><div><div><div></div></div></div><div><div><div></div><div></div></div></div><div><div>PWR</div><div>PANHANDLE WIND RANCH</div></div></div><div><div><i>GSPWR-HS-1</i></div></div></div></div>	<div>GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans</div>
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[REDACTED]

[REDACTED]

[REDACTED]

13.4 Emergency Communications

[REDACTED]

13.4.1 Communications with Agencies

[REDACTED]

13.4.2 Communications among plant personnel

[REDACTED]

13.4.3 Alerting Emergency Response Personnel

[REDACTED]

13.5 Handling of the News Media

[REDACTED]



GSPWR-HS-1

GSPWR-HS-01 Emergency Action Plan

14.0 EMERGENCY FACILITIES AND EQUIPMENT

[REDACTED]

14.1 Communications Tools

[REDACTED]

- [REDACTED]
- [REDACTED]

14.2 Facility Information and Procedures

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

14.3 Emergency Equipment and Personal Protective Equipment

[REDACTED]

<div><div><div><div><div></div><div>PWR</div></div><div><div>PANHANDLE WIND RANCH</div></div></div><div><i>GSPWR-HS-1</i></div></div></div>	<div>GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans</div>
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<div><div><div>PWR</div><div>PANHANDLE WIND RANCH</div></div><div>GSPWR-HS-1</div></div>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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16.0 NATURAL PHENOMENON AND WEATHER
EMERGENCIES

[REDACTED]

- [REDACTED]
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16.1 Earthquakes

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16.2 Tornados

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<div><div><div><div><div></div><div>PWR</div></div><div>PANHANDLE WIND RANCH</div></div><div>GSPWR-HS-1</div></div></div>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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- [REDACTED]
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[REDACTED]
[REDACTED]

-
- | Response | Percentage |
|---|------------|
| Yes, the U.S. should take action to address climate change | 95% |
| No, the U.S. should not take action to address climate change | 5% |


[REDACTED]
 [REDACTED]
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<div><div><div>PWR</div><div>PANHANDLE WIND RANCH</div></div><div>GSPWR-HS-1</div></div>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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[REDACTED]

[REDACTED]


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	GSPWR-HS-01 Emergency Action Plan

20.0 REVISION LOG

The revision history for this EAP is presented in Table 18-1.

Table 20-1 Revision History

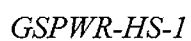
Date	Description of Revision
10-25-2012	Updated information
09-11-2014	Updated contact information
09-11-2014	Change of name, Wood Group to Ethos Energy
04-05-2017	Update for new operator
02-01-2018	Removed Jeff Pippin as Asset manager and added Dave Marsh
10-08-2019	Removed Kevin Defoor as site manager and added Michael Greeno
2-8-2022	Format change.
4-14-2022	Corrected land owner names.

 <i>GSPWR-HS-1</i>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
	GSPWR-HS-01 Emergency Action Plan

APPENDIX A - FORMS

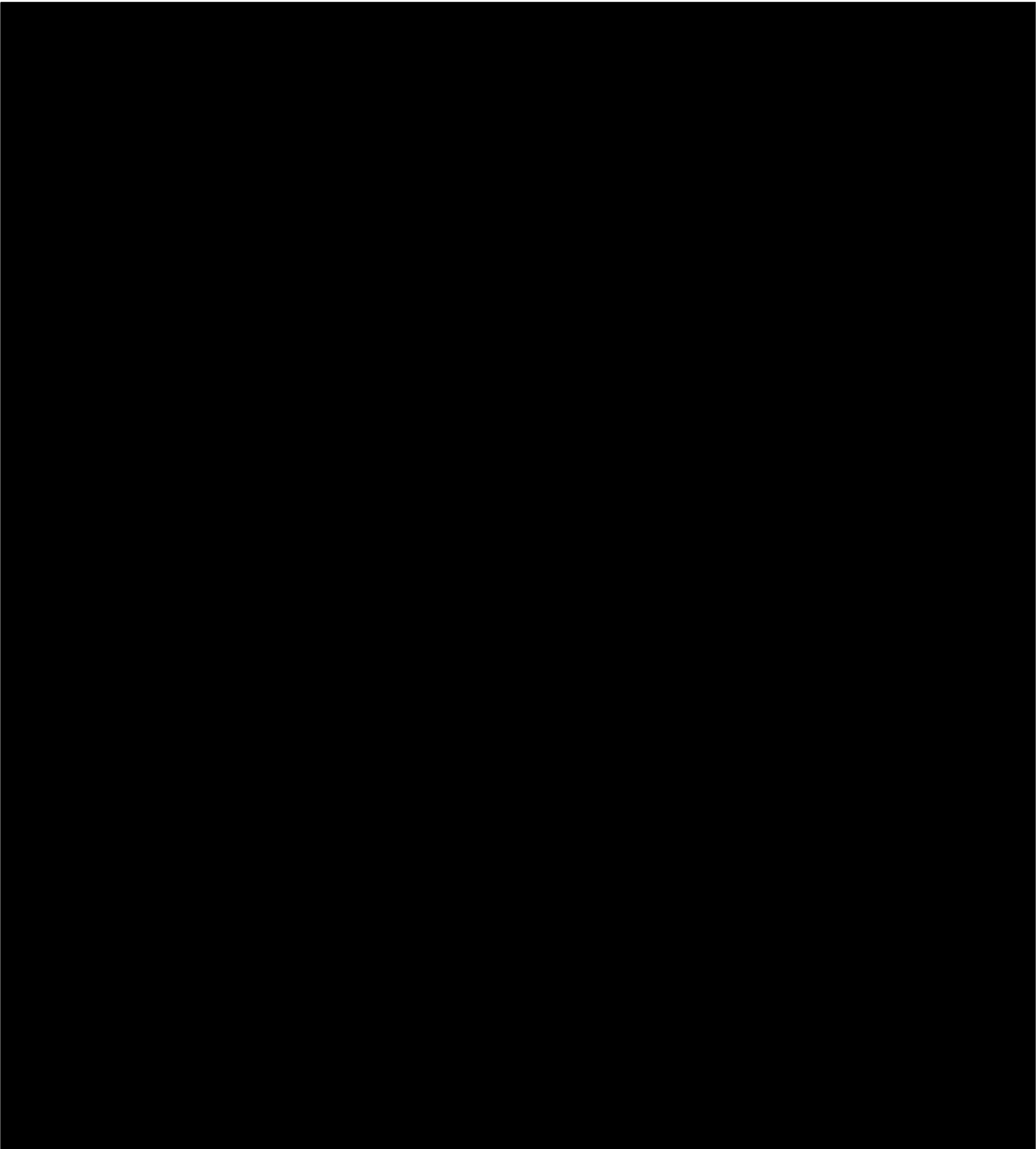
Notification Form


Evaluation Form



GSPWR-HS-01 Emergency Action Plan

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 <i>GSPWR-HS-1</i>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
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APPENDIX B – MAPS


Landowner Map

Evacuation Route Map

Hospital Route Map

Wind Turbine Location Map

Emergency Equipment Location Map

 <i>GSPWR-HS-1</i>	GoldenSpread Panhandle Wind Ranch Facility Health, Safety and Environmental Plans
	GSPWR-HS-01 Emergency Action Plan

APPENDIX C – Media Communications Policy



GSPWR-HS-04 Rev-0

GSPWR
Facility Health, Safety and Environmental Plans

GSPWR-HS-04 Rev 0 Pandemic Plan

Golden Spread Panhandle Wind Ranch

Operating Procedure

Pandemic Plan

Rev	Date	Originator	Checked	Approved
0	3/13/2020	MICHAEL GREENO		



 GSPWR-HS-04 Rev-0	GSPWR Facility Health, Safety and Environmental Plans
	GSPWR-HS-04 Rev 0 Pandemic Plan

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2.0	SCOPE.....	Error! Bookmark not defined.
3.0	REFERENCES.....	Error! Bookmark not defined.
4.0	DEFINITIONS	Error! Bookmark not defined.
5.0	RESPONSIBILITIES	Error! Bookmark not defined.
6.0	LIMITS AND PRECAUTIONS.....	Error! Bookmark not defined.
7.0	PROCEDURE	Error! Bookmark not defined.
8.0	TRAINING	Error! Bookmark not defined.

 <p>GSPWR PANHANDLE WIND RANCH</p> <p>GSPWR-HS-04 Rev-0</p>	<p>GSPWR Facility Health, Safety and Environmental Plans</p>
	<p>GSPWR-HS-04 Rev 0 Pandemic Plan</p>

1.0 PURPOSE and Scope

2.0 Plan Methodology

3.0 Organizational structure / Responsibility


4.0 Work Priorities

5.0 Pandemic Assumptions and Planning

6.0 Plan Activation

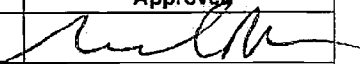
7.0 Activation Checklist

8.0 Contacts / References

 <p>PWR PANHANDLE WIND RANCH GSPWR-OPS-03-03</p>	GSPWR Operating Procedure
	GSPWR-OPS-03-03 Winter Weather Emergency Procedure

Golden Spread Panhandle Wind Ranch

Winter Weather Emergency Procedure

Rev	Date	Originator	Checked	Approved
0	11/10/2022	JUSTIN WILDE	MICHAEL GREENO	



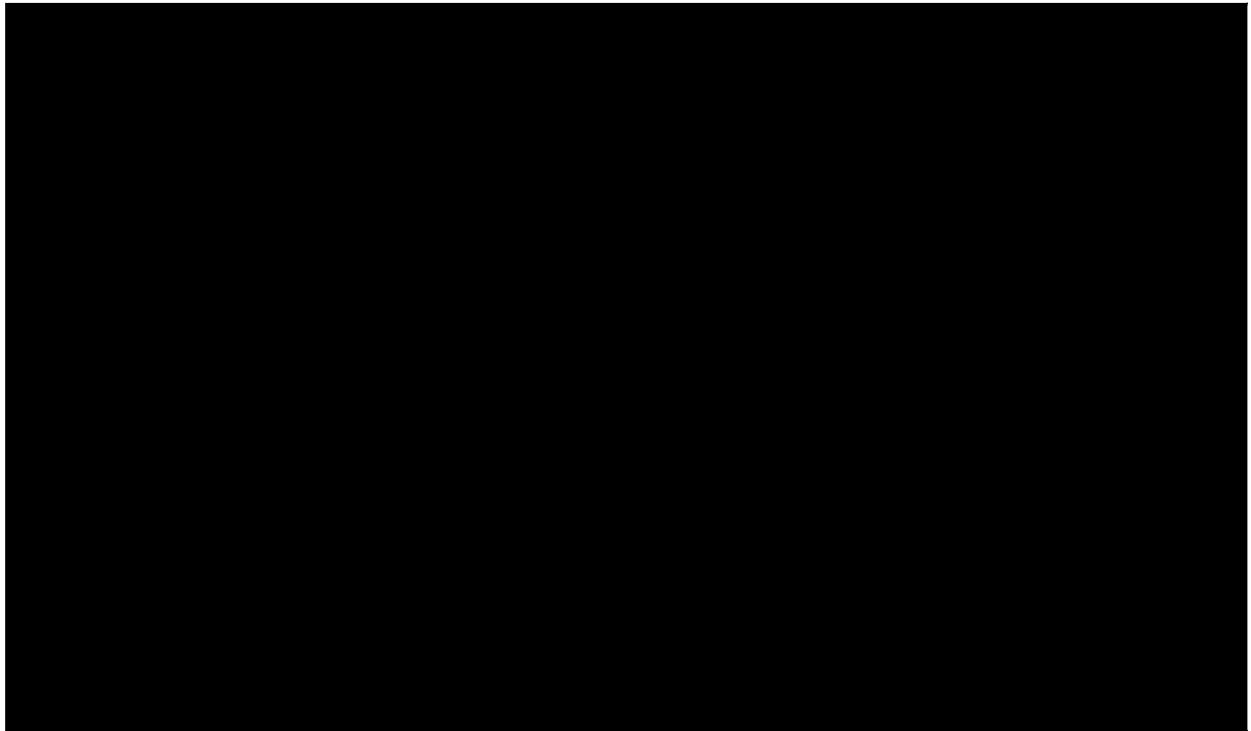
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	<p>GSPWR-OPS-03-03 Winter Weather Emergency Procedure</p>

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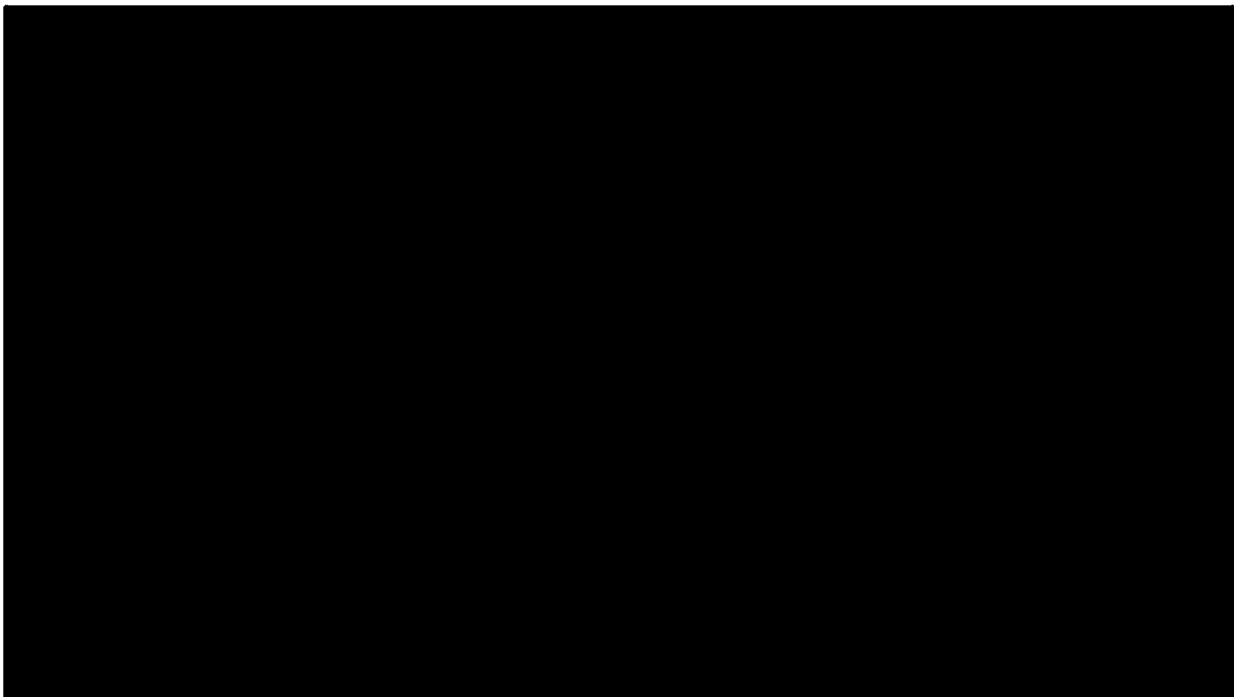
1.0 PURPOSE & SCOPE.....	3
2.0 SAFETY.....	3
3.0 DEFINITIONS.....	4
4.0 RESPONSIBILITIES.....	4
5.0 PROCEDURE.....	5
6.0 REFERENCES.....	6


 <p>GSPWR-OPS-03-03</p>	GSPWR Operating Procedure
	GSPWR-OPS-03-03 Winter Weather Emergency Procedure

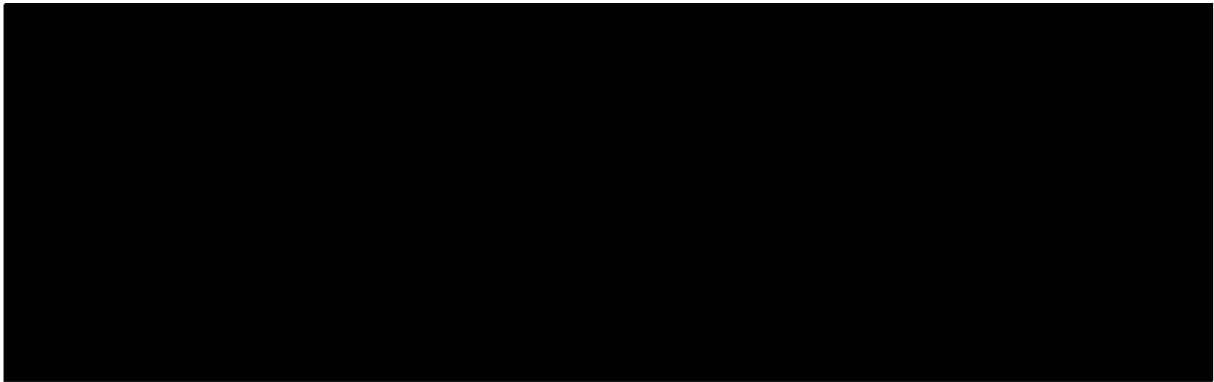
1.0 PURPOSE & SCOPE



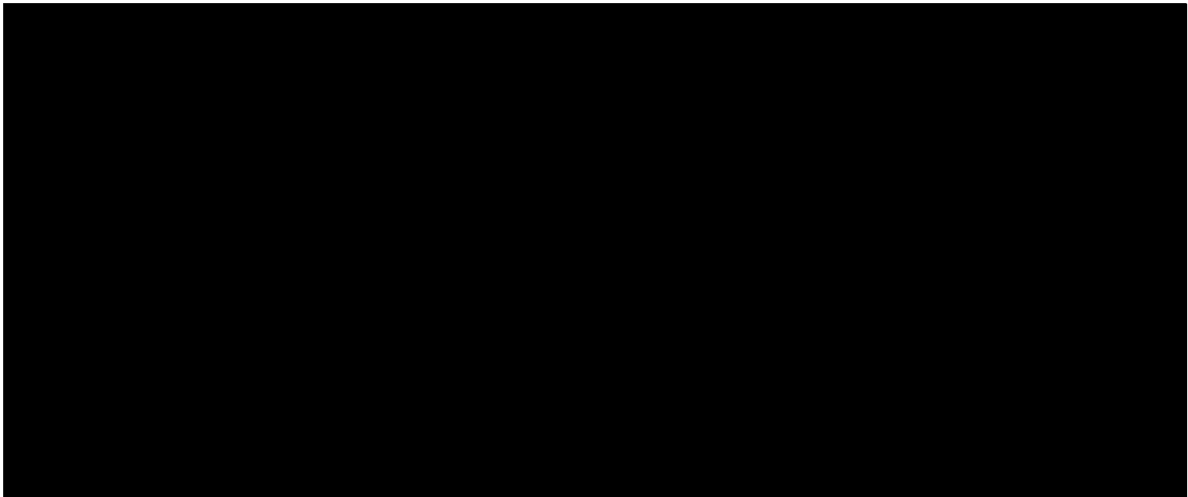
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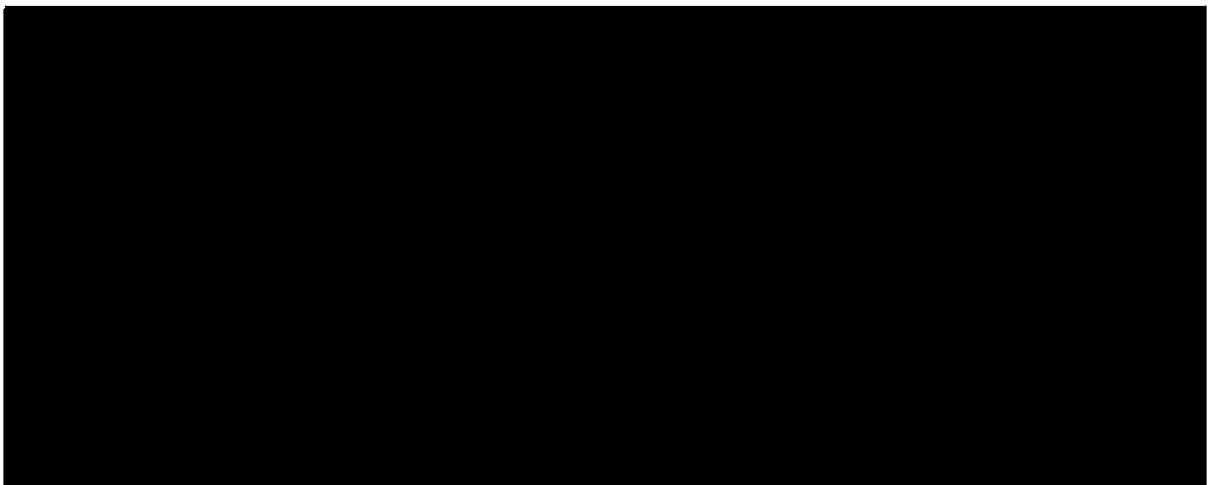
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	GSPWR-OPS-03-03 Winter Weather Emergency Procedure




3.0 DEFINITIONS

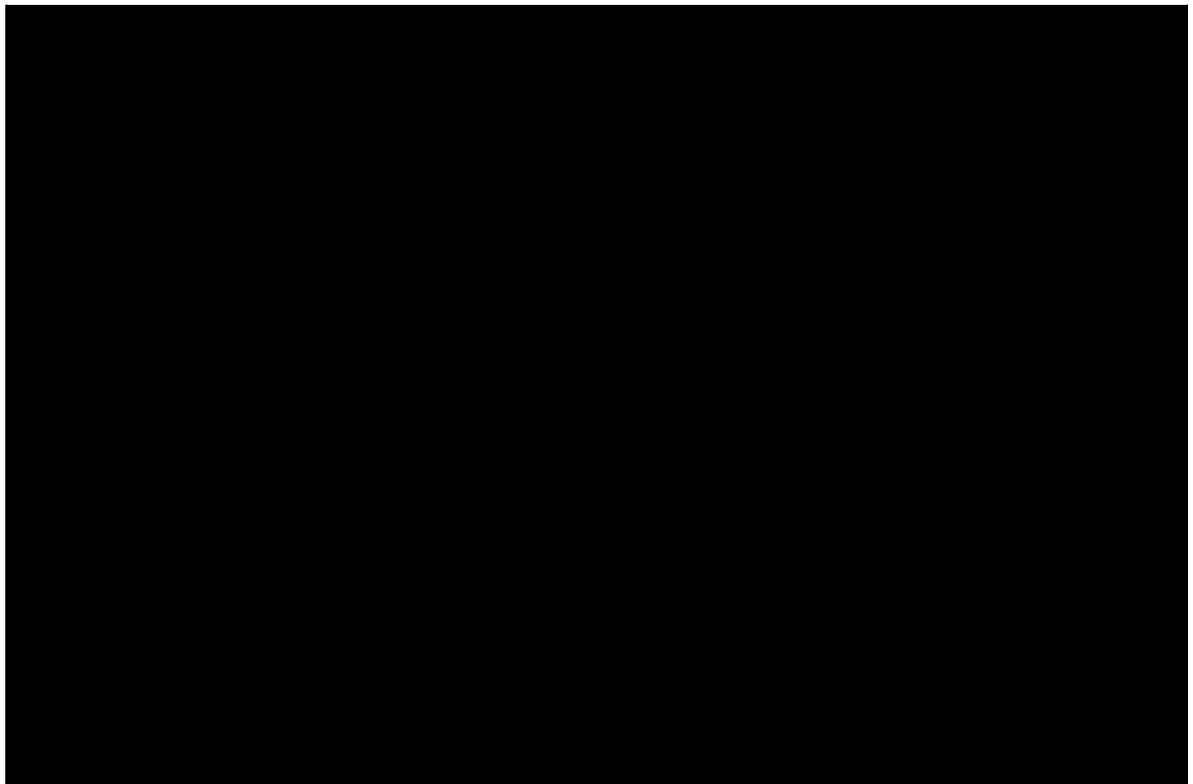
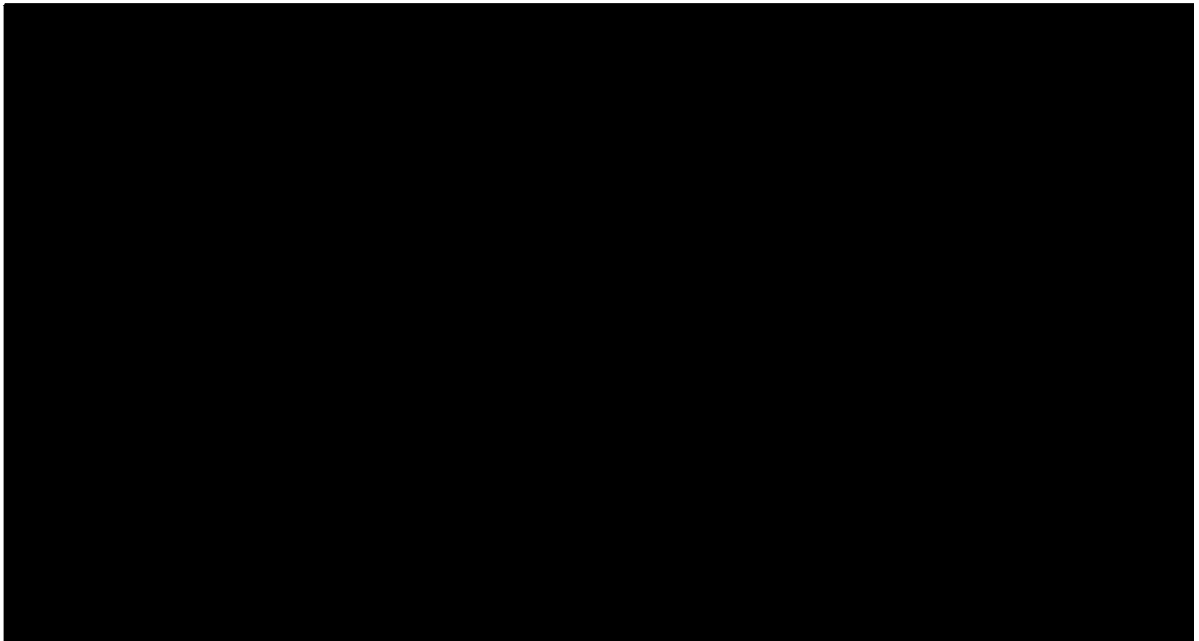



4.0 RESPONSIBILITIES



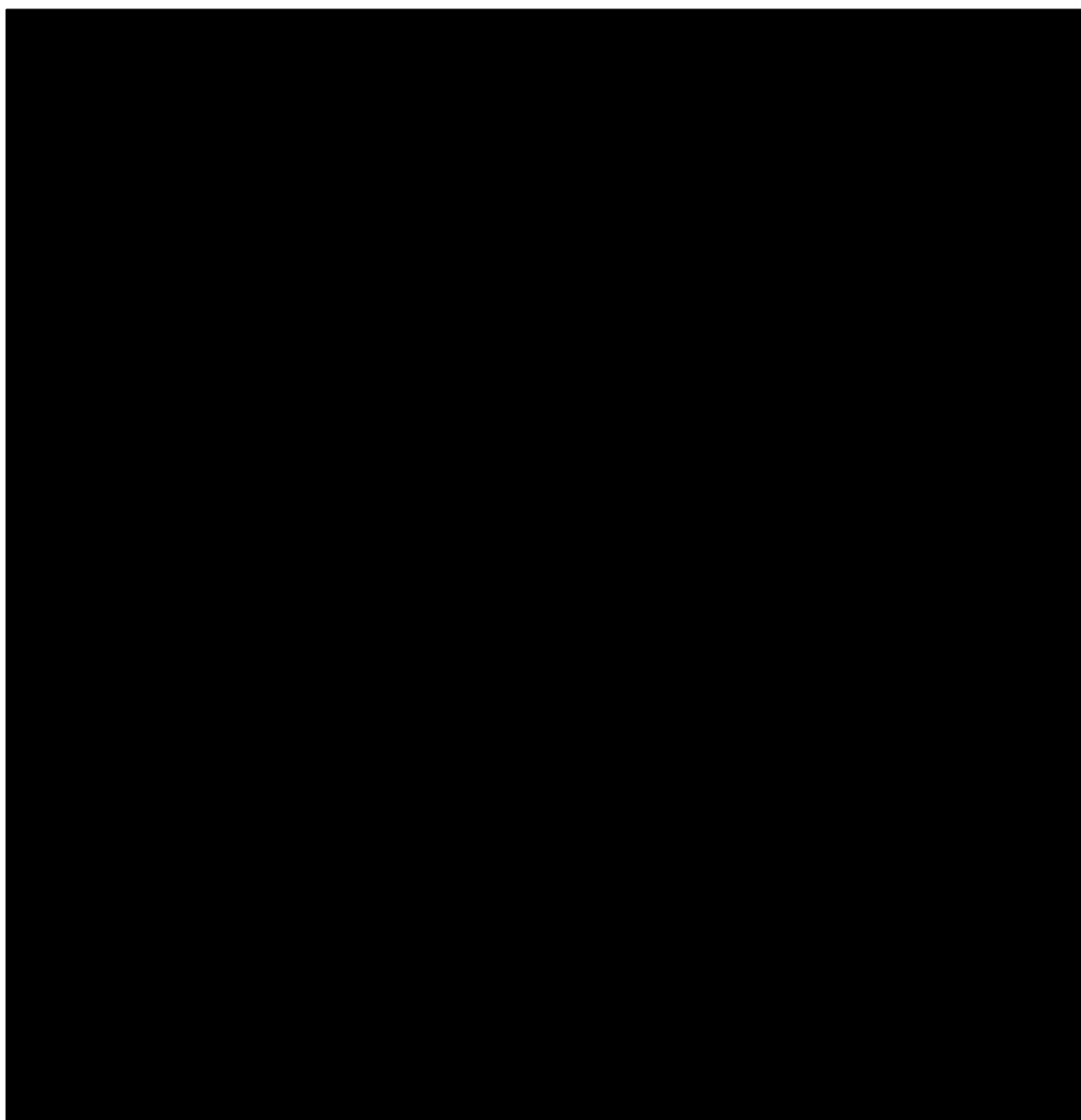
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5.0 PROCEDURE



 <p>PWR PANTHOLE WIND RANCH GSPWR-OPS-03-03</p>	<p>GSPWR Operating Procedure</p>
	<p>GSPWR-OPS-03-03 Winter Weather Emergency Procedure</p>

6.0 REFERENCES





GSPWR-OPS-03-03

GSPWR
Operating Procedure

GSPWR-OPS-03-05 Summer Weather
Emergency Procedure

Golden Spread Panhandle Wind Ranch

Summer Weather Emergency Procedure

Rev	Date	Originator	Checked	Approved
0	12/02/2022	JUSTIN WILDE	MICHAEL GREENO	



GSPWR-OPS-03-03

GSPWR Operating Procedure

**GSPWR-OPS-03-05 Summer Weather
Emergency Procedure**

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5.0 PROCEDURE.....	5
6.0 REFERENCES.....	6

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	<div data-bbox="803 218 1372 304"> <p>GSPWR-OPS-03-05 Summer Weather Emergency Procedure</p> </div>

3.0 DEFINITIONS

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4.0 RESPONSIBILITIES

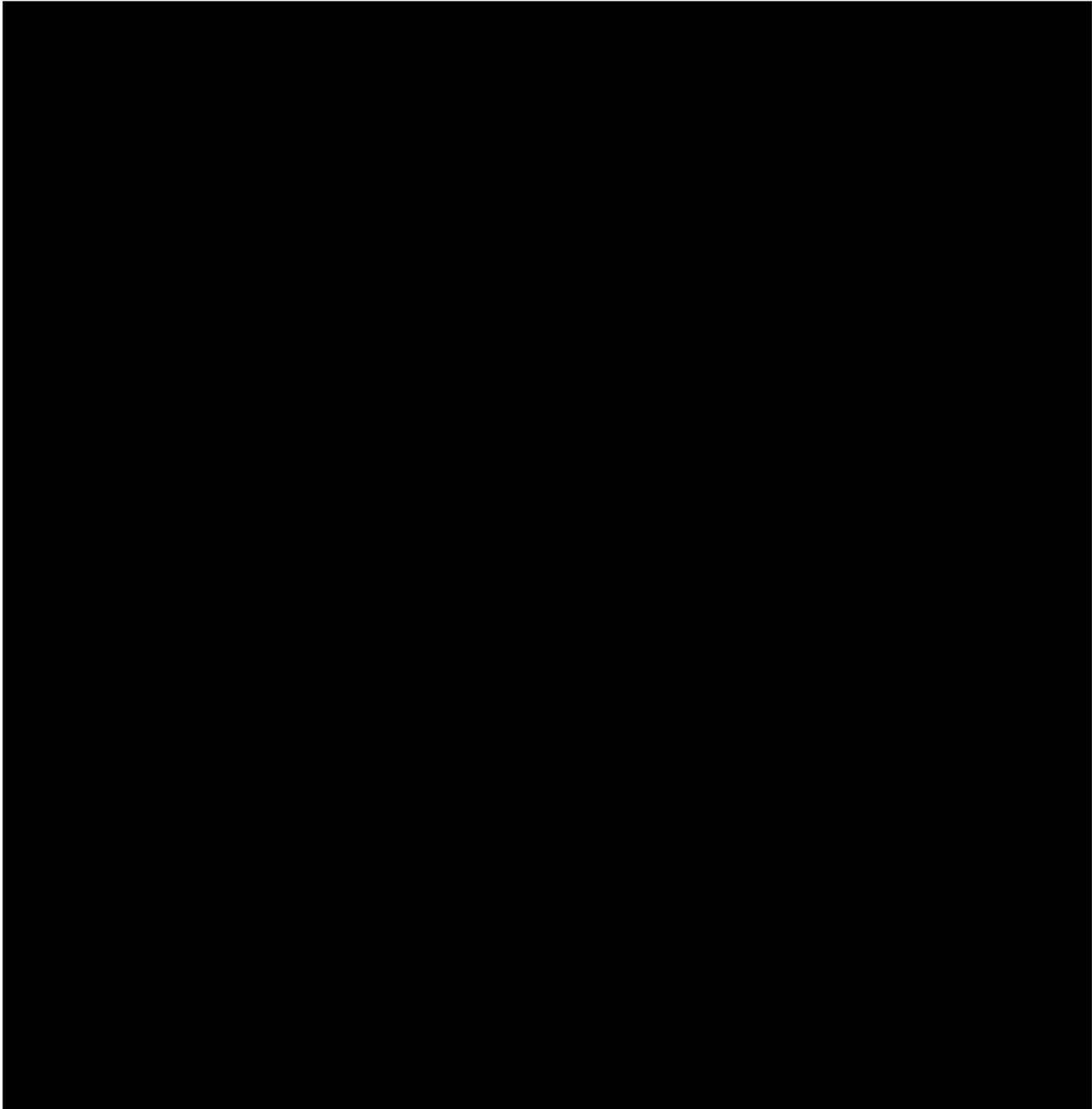
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5.0 PROCEDURE

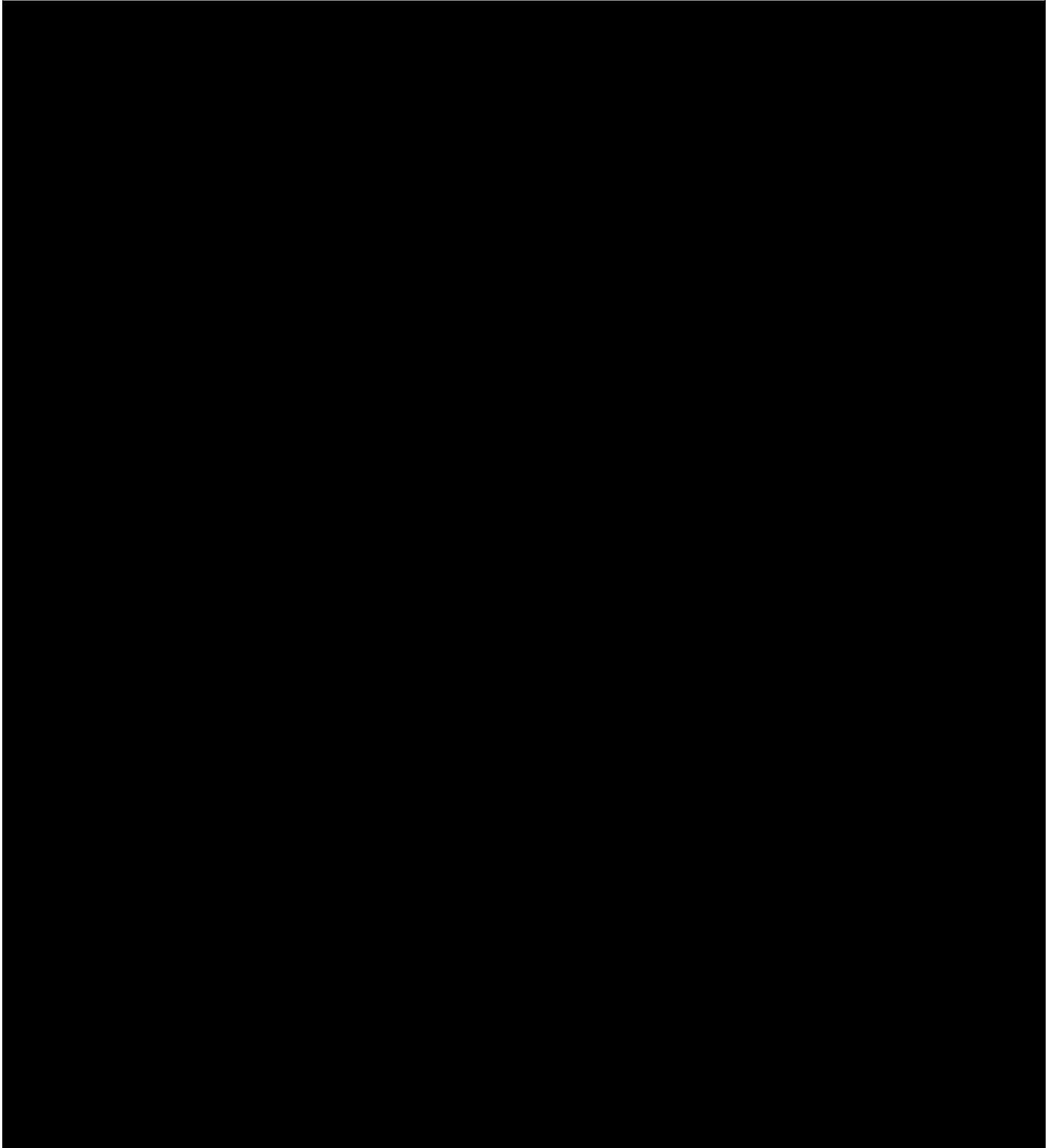
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<div><div><div>PWR</div><div>PANHANDLE WIND RANCH</div><div>GSPWR-OPS-03-03</div></div></div>	GSPWR Operating Procedure
	GSPWR-OPS-03-05 Summer Weather Emergency Procedure

6.0 REFERENCES



<div><div><div>PWR</div><div>PANHANDLE WIND RANCH</div><div>GSPWR-OPS-03-03</div></div></div>	GSPWR Operating Procedure
	GSPWR-OPS-03-05 Summer Weather Emergency Procedure



Appendix G

Operations Center Procedures

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1. DEFINITIONS

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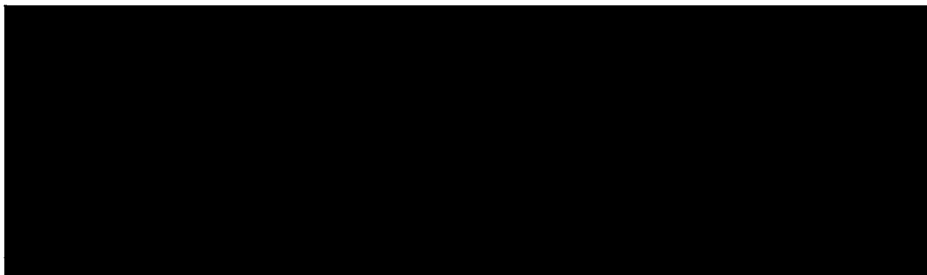
2. PURPOSE

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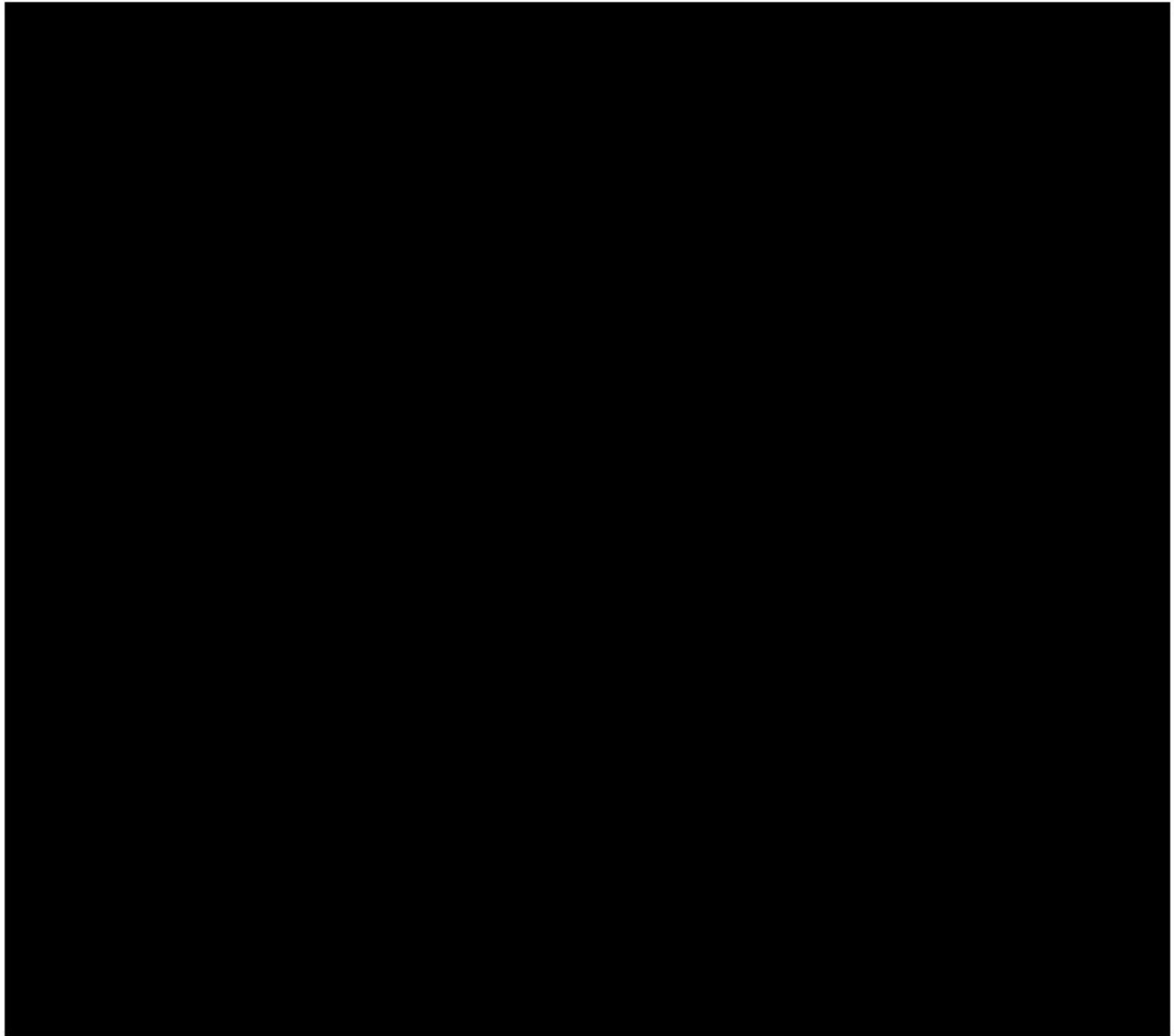
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¹ EOP-004-4 R1



3. SCOPE / APPLICABILITY



² EOP-004-4 R1

³ EOP-004-4 R1

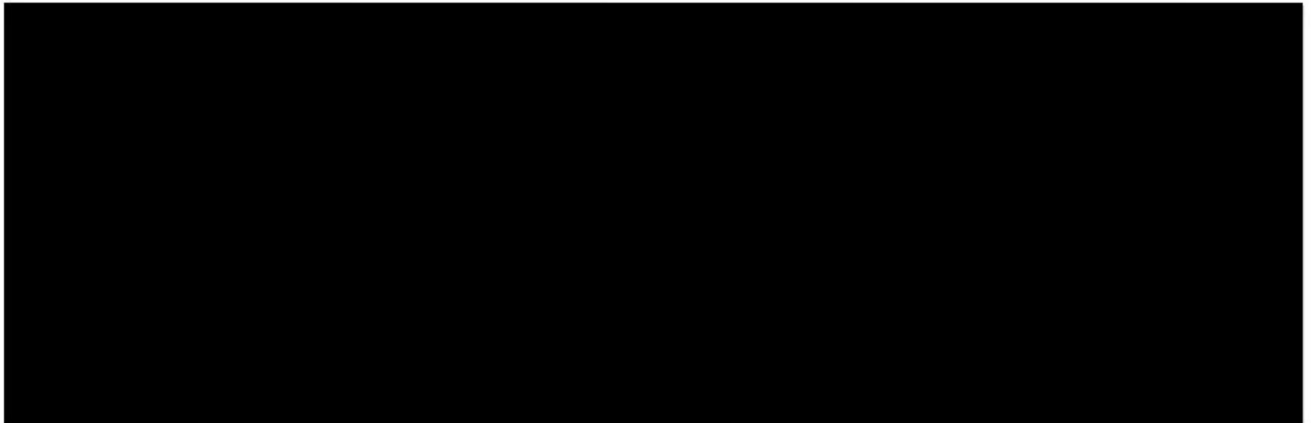
⁴ EOP-004-4 R1



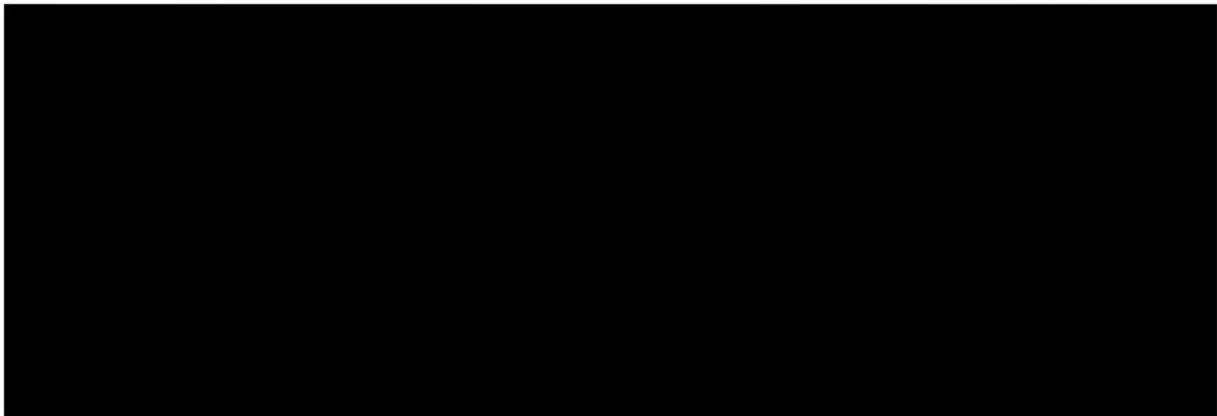


4. ROLES AND RESPONSIBILITIES

4.1. System Operator



4.2. Transmission Operations Center Support Personnel



5. REPORTABLE EVENTS

5.1. NERC Reportable Events

NERC Reportable Events are outlined in the table below.

TABLE 5.1 NERC REPORTABLE EVENTS

Event Type	Entity with Reporting Responsibility	Threshold for Reporting
Damage or destruction of a Facility	RC, BA, TOP	Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in actions to avoid a BES Emergency.
Damage or destruction of a Facility	BA, TO, TOP, GO, GOP, DP	Damage or destruction of its Facility that results from actual or suspected intentional human action.
Physical threats to a Facility	BA, TO, TOP, GO, GOP, DP	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. OR Suspicious device or activity at a Facility. Do not report theft unless it degrades normal operation of a Facility.
Physical threats to a BES control center	RC, BA, TOP	Physical threat to its BES control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. OR Suspicious device or activity at a BES control center.
Event Type	Entity with Reporting Responsibility	Threshold for Reporting
BES Emergency requiring public appeal for load reduction	Initiating entity is responsible for reporting	Public appeal for load reduction event.

TABLE 5.1 NERC REPORTABLE EVENTS

Event Type	Entity with Reporting Responsibility	Threshold for Reporting
BES Emergency requiring system-wide voltage reduction	Initiating entity is responsible for reporting	System wide voltage reduction of 3% or more.
BES Emergency requiring manual firm load shedding	Initiating entity is responsible for reporting	Manual firm load shedding ≥ 100 MW.
BES Emergency resulting in automatic firm load shedding	DP, TOP	Automatic firm load shedding ≥ 100 MW (via automatic undervoltage or underfrequency load shedding schemes, or RAS).
Voltage deviation on a Facility	TOP	Observed within its area a voltage deviation of $\pm 10\%$ of nominal voltage sustained for ≥ 15 continuous minutes.
IROL Violation (all Interconnections) or SOL Violation for Major WECC Transfer Paths (WECC only)	RC(ERCOT)	Operate outside the IROL for time greater than IROL Tv (all Interconnections) or Operate outside the SOL for more than 30 minutes for Major WECC Transfer Paths (WECC only).
Loss of firm load	BA, TOP, DP	Loss of firm load for ≥ 15 Minutes: ≥ 300 MW for entities with previous year's demand $\geq 3,000$ OR ≥ 200 MW for all other entities
System separation (islanding)	RC, BA, TOP	Each separation resulting in an island ≥ 100 MW
Generation loss	BA, GOP(ERCOT)	Total generation loss, within one minute, of: $\geq 2,000$ MW for entities in the Eastern or Western Interconnection OR $\geq 1,000$ MW for entities in the ERCOT or Quebec Interconnection

TABLE 5.1 NERC REPORTABLE EVENTS

Event Type	Entity with Reporting Responsibility	Threshold for Reporting
Complete loss of off-site power to a nuclear generating plant (grid supply)	TO, TOP	Complete loss of off-site power affecting a nuclear generating station per the Nuclear Plant Interface Requirement
Transmission loss	TOP	Unexpected loss within its area, contrary to design, of three or more BES Elements caused by a common disturbance (excluding successful automatic reclosing).
Unplanned BES control center evacuation	RC, BA, TOP	Unplanned evacuation from BES control center facility for 30 continuous minutes or more.
Complete loss of voice communication capability	RC, BA, TOP	Complete loss of voice communication capability affecting a BES control center for 30 continuous minutes or more.
Complete loss of monitoring capability	RC, BA, TOP	Complete loss of monitoring capability affecting a BES control center for 30 continuous minutes or more such that analysis capability (i.e., State Estimator or Contingency Analysis) is rendered inoperable.

5.2. Department of Energy Reportable Events

DOE Reportable Events are outlined in the table below and on form OE-417. Also see Attachment 5.

TABLE 5.2 DEPARTMENT OF ENERGY REPORTABLE EVENTS

EMERGENCY ALERT: File within 1 hour

Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations

Cyber event that causes interruptions of electrical system operations

Complete operational failure or shutdown of the transmission and/or distribution electrical system

Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system

Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident

Firm load shedding of 100 Megawatts or more implemented under emergency operational policy

System-wide voltage reductions of 3 percent or more

Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System

Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations

NORMAL REPORT: File within 6 hours

Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems

Cyber event that could potentially impact electric power system adequacy or reliability

Loss of electric service to more than 50,000 customers for 1 hour or more

Fuel supply emergencies that could impact electric power system adequacy or reliability

5.3. ERCOT Nodal Operating Guide Events

In addition to reports required by NERC and DOE for system incidents or disturbances, the following incidents also trigger ERCOT reporting requirements⁵.

TABLE 5.3 ERCOT Reportable Events

Uncontrolled loss of load
Load shed events
Public appeal for reduced use of electricity
Actual or suspected attacks on the transmission system
Vandalism
Actual or suspected cyber attacks
Fuel supply emergencies
Loss of electric service to large customers
Loss of bulk transmission component that significantly reduces integrity of the transmission system
Islanding of transmission system
Sustained voltage excursions
Major damage to power system components and
Failure, degradation or misoperation of Remedial Action Schemes (RASs) or other operating systems

⁵ NOG 3 Section 3.2.3

5.4. PUCT Significant Interruption Reportable Events

In addition to reports required by NERC, DOE, and ERCOT for system incidents or disturbances, the following “significant interruptions” also trigger PUCT reporting requirements.

Significant Interruption – An interruption of any classification lasting one hour or more and affecting the entire system, a major division of the system, a community, a critical load, or service to interruptible customers; and a scheduled interruption lasting more than four hours that affects customers that are not notified in advance. A significant interruption includes a loss of service to 20% or more of the system’s customers, or 20,000 customers for utilities serving more than 200,000 customers. A significant interruption also includes interruptions adversely affecting a community such as interruptions of governmental agencies, military bases, universities and schools, major retail centers, and major employers.⁶

TABLE 5.4 PUCT Significant Interruption Reportable Events

Interruption lasting more than 4 hours for 20% of total system customers.

Interruption of 20,000 customers for utilities serving more than 200,000 customers.

Interruptions adversely affecting a community such as interruptions of governmental agencies, military bases, universities and schools, major retail centers, and major employers.

5.4.1. **Initial notice** – An initial notice shall be made to the PUCT (outages@puc.texas.gov) as soon as possible after the determination that a significant interruption has occurred. This notice shall include:

5.4.1.1. The location of the significant interruption.

⁶ PUCT Rules and Laws, Sub Rules, Electric, Chapter 25, Subchapter C (5)

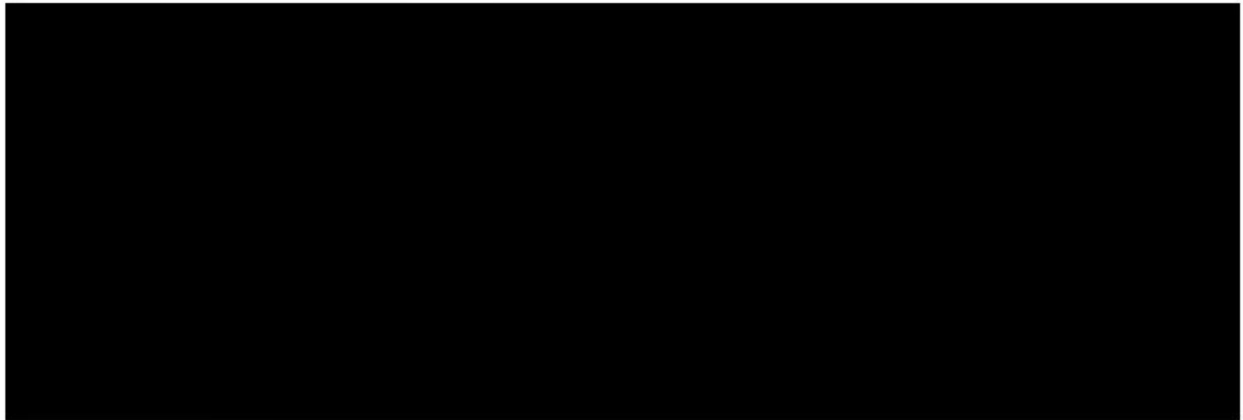
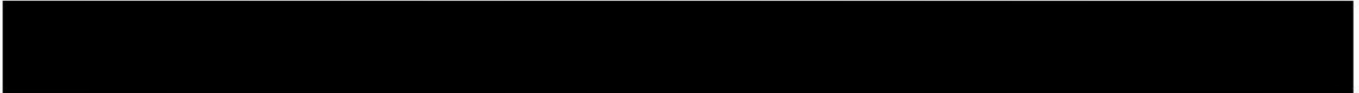


- 5.4.1.2. The approximate number of customers affected.
- 5.4.1.3. The cause if known.
- 5.4.1.4. The time of the event.
- 5.4.1.5. The estimated time of full restoration.
- 5.4.1.6. Name and telephone number of the contact person.
- 5.4.1.7. Whether or not local authorities and media are aware of the event.
- 5.4.1.8. If the duration of the significant interruption is greater than 24 hours, daily updates to the PUCT are required and must file a summary report.
- 5.4.2. **Summary Report** – A summary of any significant interruption as outlined above shall be reported to the PUCT at outages@puc.texas.gov within 5 days of the event. The summary report shall include:
 - 5.4.2.1. Date and time of the significant interruption.
 - 5.4.2.2. Date and time of full restoration.
 - 5.4.2.3. The cause of the interruption.
 - 5.4.2.4. The location of the interruption.
 - 5.4.2.5. Substation and feeder identifiers of all affected facilities.
 - 5.4.2.6. Total number of customers affected.
 - 5.4.2.7. Date, times, and number of customers affected by partial or step restoration.
 - 5.4.2.8. Total number of customer-minutes of the significant interruption (sum of the interruption durations times the number of customers affected).



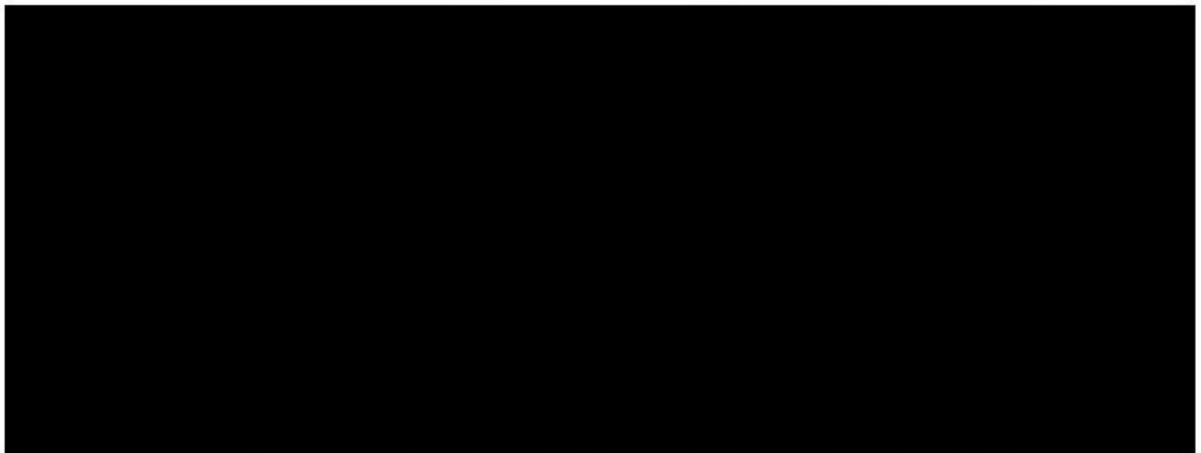
6. REPORTING PROCEDURE

6.1. Identifying Reportable Events



6.2. Initiating an Event Report

6.2.1. Operations Personnel



6.2.2. Field Personnel





[Redacted]

6.3. Investigation of Suspected Reportable Events

[Redacted]

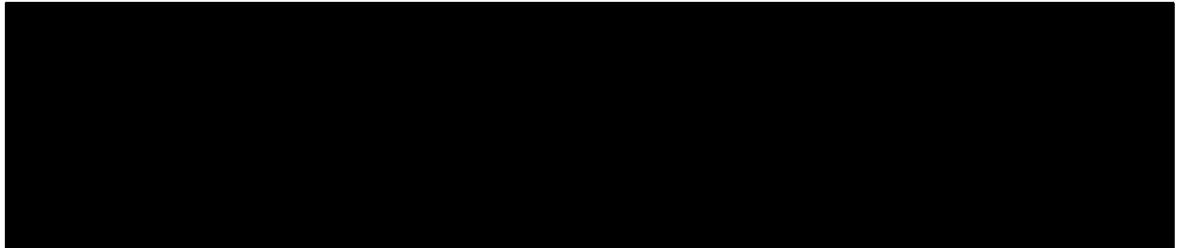
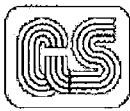
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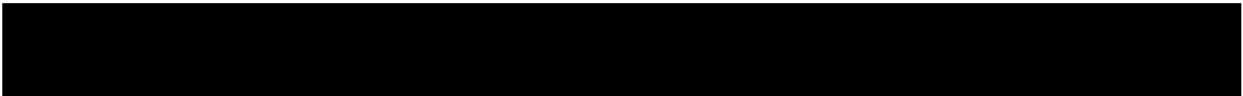
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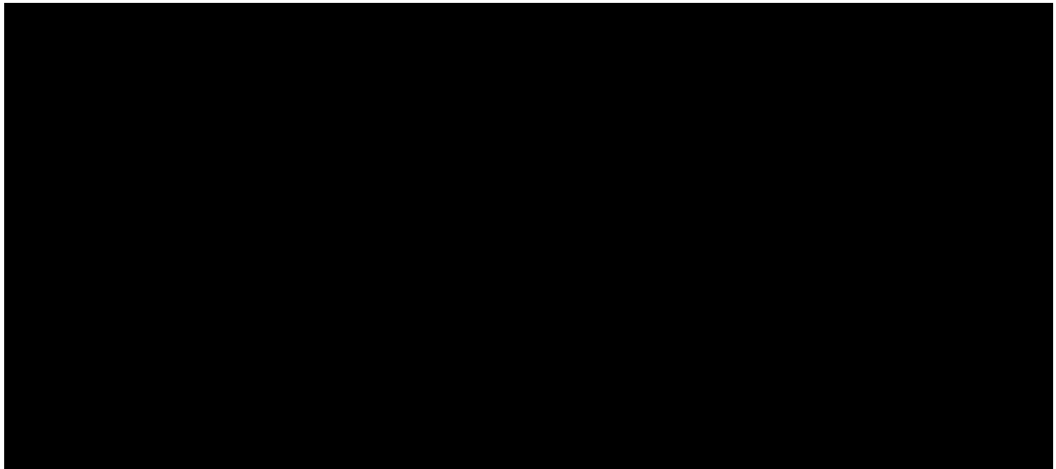
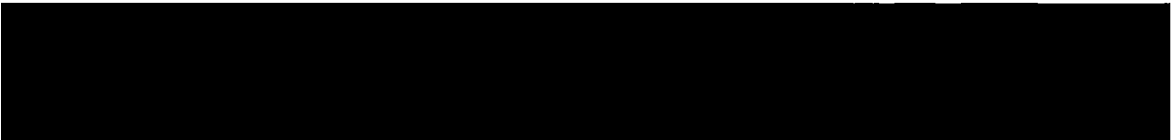


6.4. Report Preparation and Submission⁷(if applicable)



6.4.1.1. Refer to Sections 5.1 and 5.2 for reporting requirements.

6.4.1.2. Refer to Attachment 2, Event Reporting Matrix for quick reference.



⁷ NERC EOP-004-4 R2



6.4.2. [REDACTED]

6.4.2.1. If only NERC reporting is required, the NERC EOP-004 Reporting Form in Attachment 4, NERC Reporting Form, can be used.

6.4.2.2. If DOE reporting is required, form OE-417 in Attachment 5 must be used or submitting directly from the DOE website at [OE-417 Form \(doe.gov\)](https://www.doe.gov).

6.4.2.3. If reporting to both DOE and NERC is required, form OE-417 can be used for both reports.

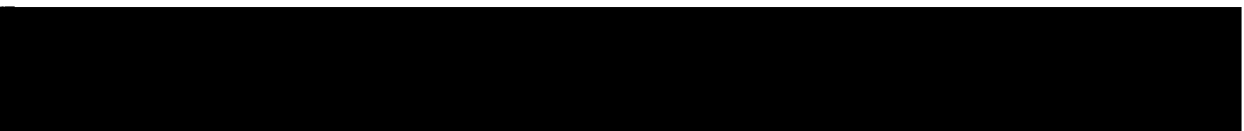
6.4.3. [REDACTED]

6.4.3.1. DOE Emergency Alerts must be submitted within one hour of recognition of a reportable event.

6.4.3.2. DOE Normal Reports must be submitted within six hours of recognition of a reportable event.

6.4.3.3. NERC reports must be submitted within 24 hours of recognition of a reportable event or by the end of the next business day if the reportable event occurs on a weekend (4:00 pm Friday to 8:00 am Monday). Standard business days are 8:00 am to 4:00 pm.

6.4.3.4. Reports of certain events must be forwarded to ERCOT. Refer to Attachment 2, Event Reporting Matrix for quick reference.



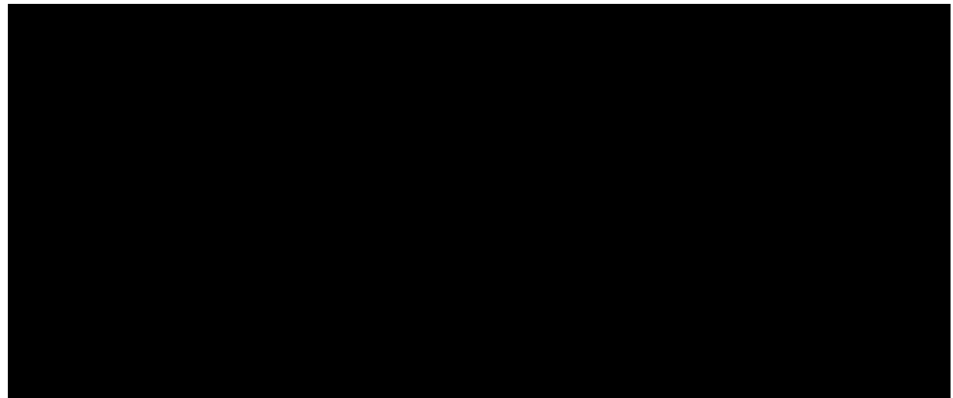
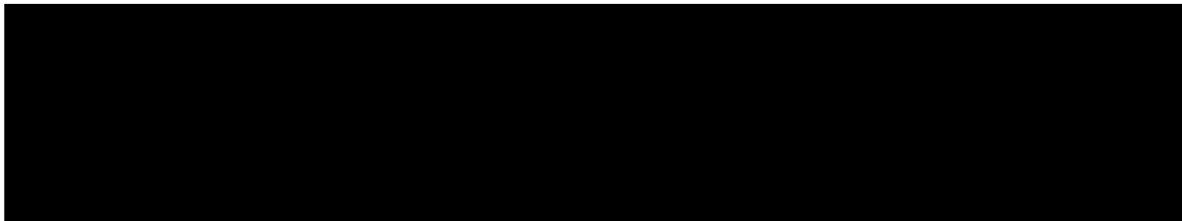
6.5. ERCOT Requirements for Reporting Sabotage Information⁸

⁸ NOG 3 Section 3.8



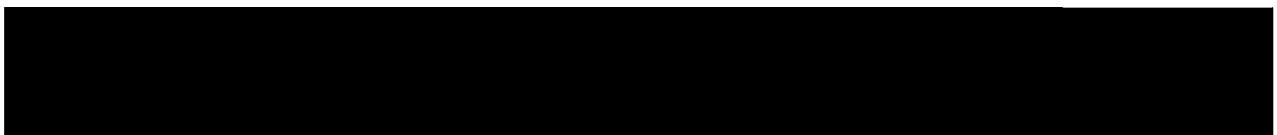
6.5.1. ERCOT Entities are required to notify other affected Transmission Operators (TO) and the Qualified Scheduling Entity (QSE) when experiencing disturbances or unusual occurrences suspected or determined to be caused by sabotage. Disturbances and unusual occurrences related to bulk electric system facilities within the ERCOT Region are the only facilities subject to reporting.

6.5.2. ERCOT procedures for the recognition of sabotage events on its facilities and multi-site sabotage are provided in the ERCOT Nodal Operating Guide, Section 3.8.



6.5.6. ERCOT must inform other TOs and QSEs of the event(s) as directed by ERCOT.

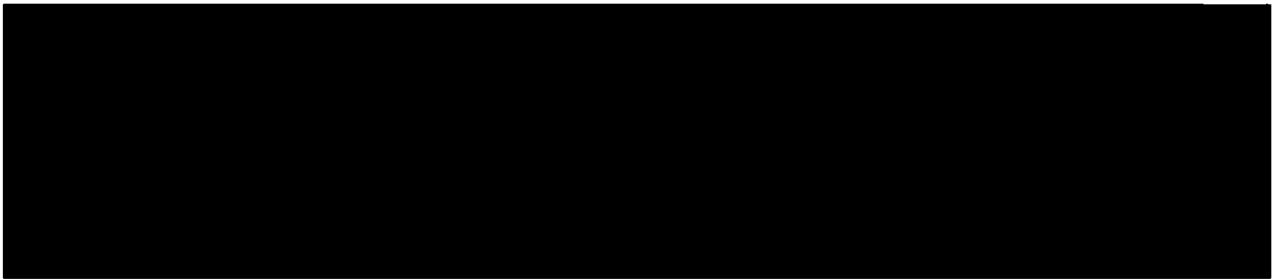
6.6. Event Conclusion and Assessment (if applicable)



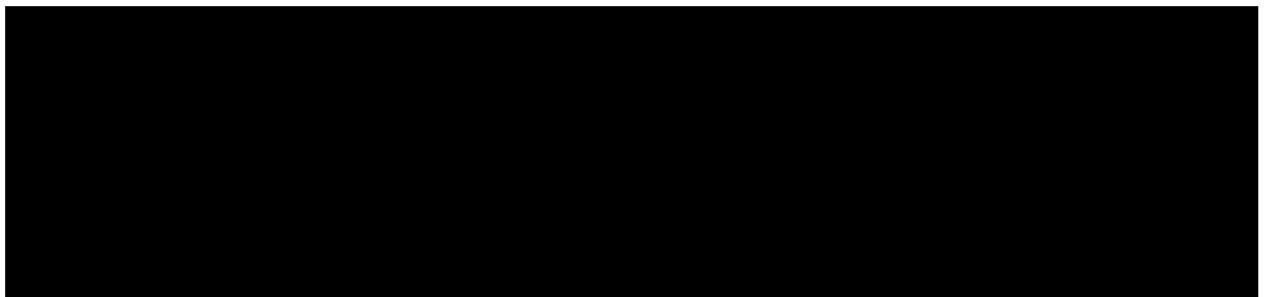
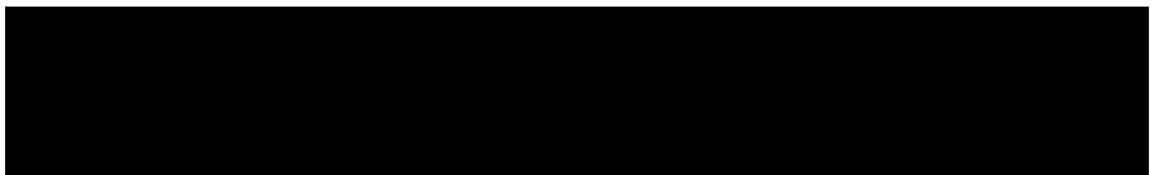


- 6.6.2. The email must indicate which report was prepared (NERC EOP-004 or DOE OE-417) and confirmation of the submission.
- 6.6.3. If a NERC EOP-004 Event Report was submitted, no further action is required unless a Request for Information (RFI) is received from NERC or ERCOT.
- 6.6.4. If a DOE OE-417 Event report was submitted, the appropriate Transmission Operations Center support member will submit updated reports as needed, and a final report to DOE and NERC within 72 hours.

6.7. Contact Information Review and Update



6.8. Evidence Retention



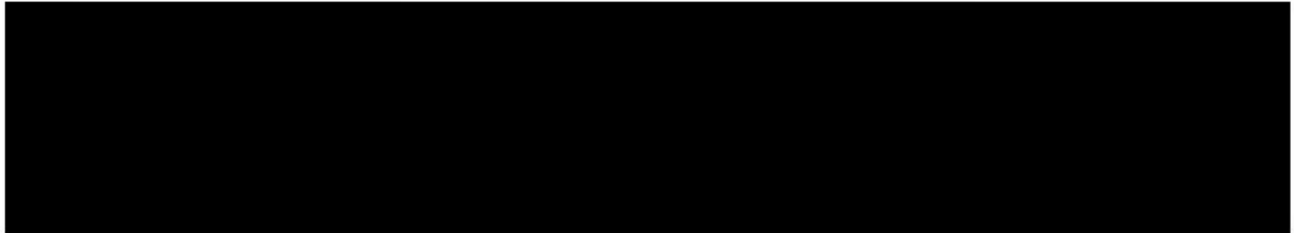


7. ADHERENCE



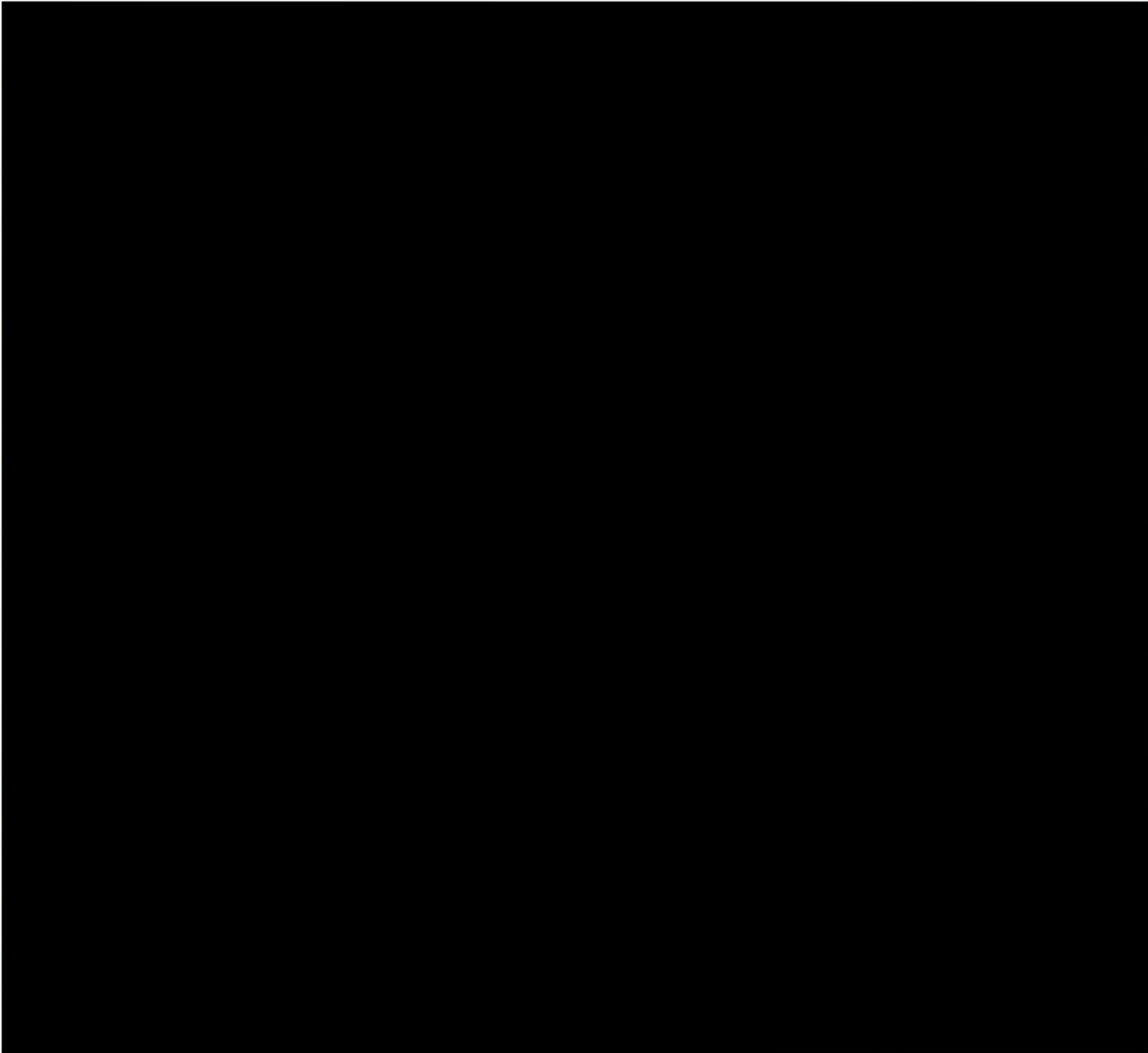


8. DOCUMENT REVIEW AND DISTRIBUTION





9. ASSOCIATED DOCUMENTS



10. DOCUMENT HISTORY

Document Owners

Department	Authority	Name	Review Date
Operations	Operations Center Manager	Andy Stephens	

Document Management

Effective Date	Review Cycle	Confidentiality
DATE	Annual	Confidential (non-private)

Version History

Version	Date	Change Tracking:





Distribution List

Division	Title	Name
Amarillo	Primary Operations Center	Procedure Portfolio
Amarillo	Backup Operations Center	Procedure Portfolio
Amarillo	Operations Center Manager	Andy Stephens
Amarillo	Compliance Engineer	Dillan Vigil



11. DOCUMENT APPROVAL

Current Version

Department	eSignature
Operations	<div><div>X </div><div>ANDY STEPHENS OPERATIONS CENTER MANAGER</div><div>Date: <u>12/13/2022</u></div></div>
Operations	<div><div>X </div><div>SHANE MCMINN DIRECTOR, POWER DELIVERY</div><div>Date: <u>12/13/2022</u></div></div>

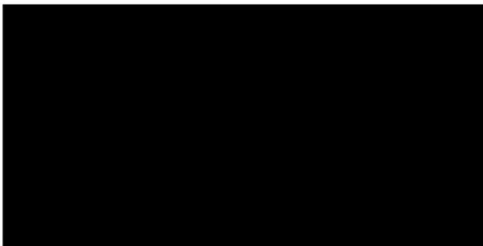
ATTACHMENT 1: RELIABILITY STANDARDS AND REQUIREMENTS REFERENCE

Standard	Requirement	Section in This Document	Section Number
EOP-004-4	R1	<p>Error! Reference source not found.. Error! Reference source not found.</p> <p>Error! Reference source not found.. Error! Reference source not found.</p> <p>Error! Reference source not found.. Error! Reference source not found.</p> <p>Error! Reference source not found.. Error! Reference source not found.</p>	<p>2.2Error! Reference source not found.</p> <p>3.2</p> <p>3.3</p> <p>3.4</p>
EOP-004-4	R2	6. Reporting Procedure	6.4
ERCOT NOG 03	Section 3.2.3	5. Reportable Events	5.3
ERCOT NOG 03	Section 3.8	6. Reporting Procedure	6.5

ATTACHMENT 2: SUBMITTAL AND CONTACT INFORMATION

ERCOT REPORTING

ERCOT Shift Supervisors



NERC REPORTING

NERC System Awareness



NERC Electricity Information Sharing and Analysis Center (E-ISAC) (Courtesy copy)



DOE REPORTING

Online: Submit forms through the OE-417 online system at <https://www.oe.netl.doe.gov/OE417/>

Fax: If you experience problems submitting via the online submission form, you may fax the form to the following facsimile number. **(202) 586-8485.**

Telephone: If you experience problems submitting via online, or fax, please call and report the information to the following telephone number: **(202) 586-8100**, staffed 24/7.

E-mail: doehqeoc@oem.doe.gov



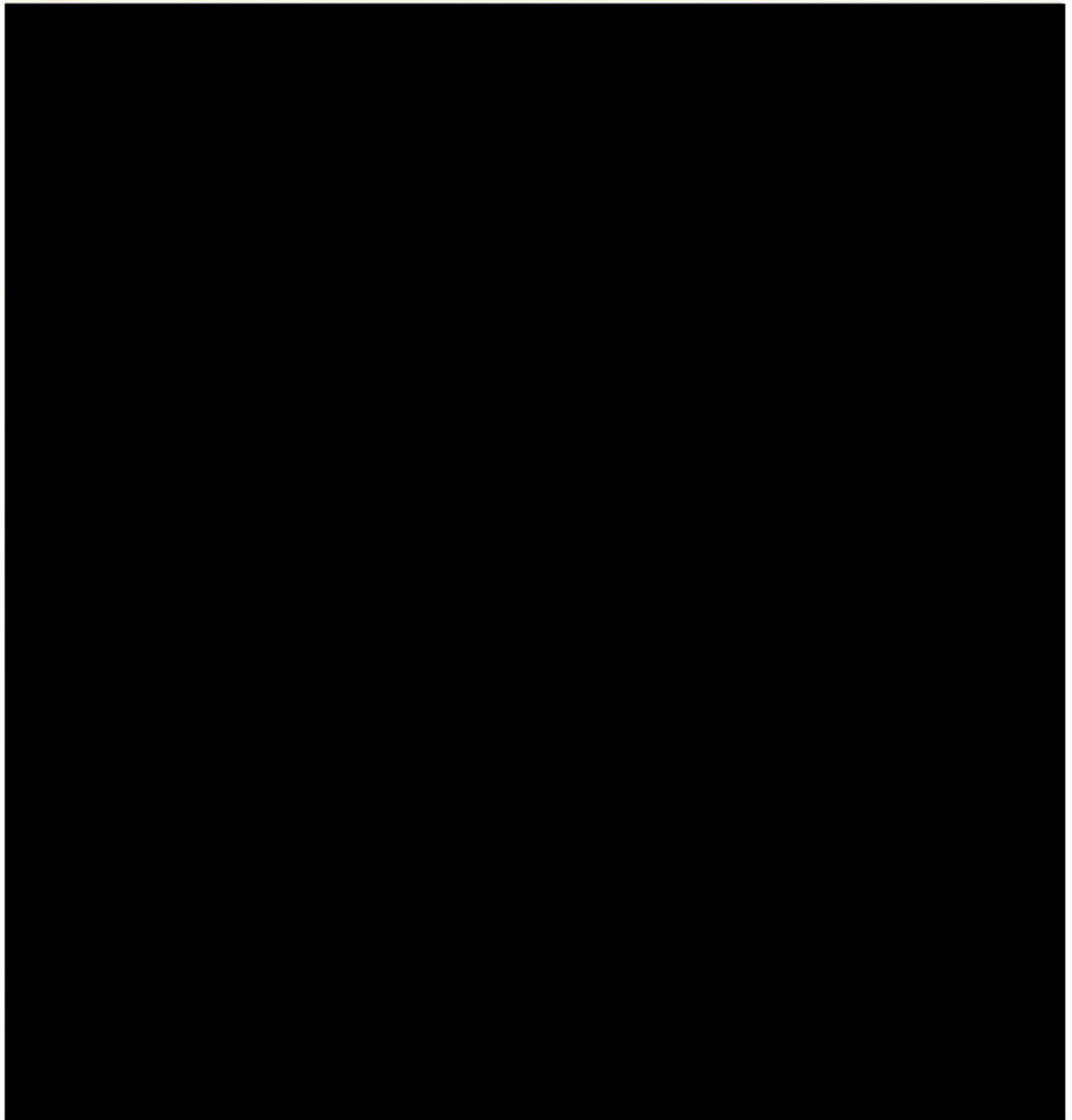
NOTE: DOE OE-417 must be filed with the DOE and a separate copy sent on to NERC. (In place of filing a separate EOP-004 Event Reporting form with NERC.)

GSEC PERSONNEL NOTIFICATIONS





ATTACHMENT 3: EVENT REPORTING MATRIX





ATTACHMENT 4: NERC EOP-004 EVENT REPORTING FORM

Event Reporting Form

Use this form to report events. The North American Electric Reliability Corporation (NERC) will accept the DOE OE-417 form instead of this form if the entity is required to submit an OE-417 report. Submit reports to the ERO using e-mail systemawareness@nerc.net, facsimile 404-446-9770, or voice 404-446-9780.

Task	Comments
1 Entity filing the report including: Company name: Name of contact person: Email address of contact person: Telephone Number: Submitted by (name):	
2 Date and Time of recognized event. Date: (mm/dd/yyyy) Time: (hh:mm) Time/Zone:	
3 Did the event originate in your system?	Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>
4 Event Identification and Description:	
(Check applicable box) <input type="checkbox"/> Damage or destruction of a Facility <input type="checkbox"/> Physical Threat to a Facility <input type="checkbox"/> Physical Threat to a control center <input type="checkbox"/> BES Emergency: <input type="checkbox"/> Public appeal for load reduction <input type="checkbox"/> System-wide voltage reduction <input type="checkbox"/> Manual firm load shedding <input type="checkbox"/> Automatic firm load shedding <input type="checkbox"/> Voltage deviation on a Facility	Written description (optional):

Event Reporting Form

Use this form to report events. The North American Electric Reliability Corporation (NERC) will accept the DOE OE-417 form instead of this form if the entity is required to submit an OE-417 report. Submit reports to the ERO using e-mail systemawareness@nerc.net, facsimile 404-446-9770, or voice 404-446-9780.

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> IROL Violation (all Interconnections) or SOL Violation for Major WECC Transfer Paths (WECC only) <input type="checkbox"/> Loss of firm load <input type="checkbox"/> System separation <input type="checkbox"/> Generation loss <input type="checkbox"/> Complete loss of off-site power to a nuclear generating plant (grid supply) <input type="checkbox"/> Transmission loss <input type="checkbox"/> Unplanned control center evacuation <input type="checkbox"/> Complete loss of voice communication capability <input type="checkbox"/> Complete loss of monitoring capability | |
|--|--|

ATTACHMENT 5: DEPARTMENT OF ENERGY FORM OE-417

U.S. Department of Energy Electricity Delivery and Energy Reliability Form OE-417	<i>ELECTRIC EMERGENCY INCIDENT AND DISTURBANCE REPORT</i>	OMB No. 1901-0288 Approval Expires: 05/31/2021 Burden Per Response: 1.8 hours
<p>NOTICE: This report is mandatory under Public Law 93-275. Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For the sanctions and the provisions concerning the confidentiality of information submitted on this form, see General Information portion of the instructions. Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.</p>		
<p>RESPONSE DUE: Within 1 hour of the incident, submit Schedule 1 and lines M - Q in Schedule 2 as an Emergency Alert report if criteria 1-8 are met. Within 6 hours of the incident, submit Schedule 1 and lines M - Q in Schedule 2 as a Normal Report if only criteria 9-12 are met. By the later of 24 hours after the recognition of the incident <u>OR</u> by the end of the next business day submit Schedule 1 & lines M - Q in Schedule 2 as a System Report if criteria 13-24 are met. <i>Note: 4:00pm local time will be considered the end of the business day</i></p> <p>Submit updates as needed and/or a final report (all of Schedules 1 and 2) within 72 hours of the incident. For NERC reporting entities registered in the United States: NERC has approved that the form OE-417 meets the submittal requirements for NERC. There may be other applicable regional, state and local reporting requirements.</p>		
<p align="center">METHODS OF FILING RESPONSE (Retain a completed copy of this form for your files.)</p> <p>Online: Submit form via online submission at: https://www.oe.netl.doe.gov/OE417/ FAX: FAX Form OE-417 to the following facsimile number: (202) 586-8485. Alternate: If you are unable to submit online or by fax, forms may be e-mailed to doehqeoec@hq.doe.gov, or call and report the information to the following telephone number: (202) 586-8100.</p>		
<p align="center">SCHEDULE 1 -- ALERT CRITERIA (Page 1 of 4)</p>		
<p align="center">Criteria for Filing (Check all that apply) See Instructions For More Information</p>		
<p>EMERGENCY ALERT File within 1-Hour</p> <p>If any box 1-8 on the right is checked, this form must be filed within 1 hour of the incident: check Emergency Alert (for the Alert Status) on Line A below.</p>	<ol style="list-style-type: none"> 1. <input type="checkbox"/> Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations 2. <input type="checkbox"/> Cyber event that causes interruptions of electrical system operations 3. <input type="checkbox"/> Complete operational failure or shut-down of the transmission and/or distribution electrical system 4. <input type="checkbox"/> Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system 5. <input type="checkbox"/> Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident 6. <input type="checkbox"/> Firm load shedding of 100 Megawatts or more implemented under emergency operational policy 7. <input type="checkbox"/> System-wide voltage reductions of 3 percent or more 8. <input type="checkbox"/> Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System 	



<p>NORMAL REPORT File within 6-Hours</p> <p>If any box 9-12 on the right is checked AND none of the boxes 1-8 are checked, this form must be filed within 6 hours of the incident; check Normal Report (for the Alert Status) on Line A below.</p>	<p>9. <input type="checkbox"/> Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems</p> <p>10. <input type="checkbox"/> Cyber event that could potentially impact electric power system adequacy or reliability</p> <p>11. <input type="checkbox"/> Loss of electric service to more than 50,000 customers for 1 hour or more</p> <p>12. <input type="checkbox"/> Fuel supply emergencies that could impact electric power system adequacy or reliability</p>
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SCHEDULE 1 -- ALERT CRITERIA -- CONTINUED (Page 2 of 4)							
<p>SYSTEM REPORT File within 1-Business Day</p> <p>If any box 13-24 on the right is checked AND none of the boxes 1-12 are checked, this form must be filed by the later of 24 hours after the recognition of the incident <u>OR</u> by the end of the next business day. <i>Note: 4:00pm local time will be considered the end of the business day. Check System Report (for the Alert Status) on Line A below.</i></p>	<div style="margin-bottom: 10px;">13. <input type="checkbox"/> Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in action(s) to avoid a Bulk Electric System Emergency.</div> <div style="margin-bottom: 10px;">14. <input type="checkbox"/> Damage or destruction of its Facility that results from actual or suspected intentional human action.</div> <div style="margin-bottom: 10px;">15. <input type="checkbox"/> Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.</div> <div style="margin-bottom: 10px;">16. <input type="checkbox"/> Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.</div> <div style="margin-bottom: 10px;">17. <input type="checkbox"/> Bulk Electric System Emergency resulting in voltage deviation on a Facility; A voltage deviation equal to or greater than 10% of nominal voltage sustained for greater than or equal to 15 continuous minutes.</div> <div style="margin-bottom: 10px;">18. <input type="checkbox"/> Uncontrolled loss of 200 Megawatts or more of firm system loads for 15 minutes or more from a single incident for entities with previous year's peak demand less than or equal to 3,000 Megawatts</div> <div style="margin-bottom: 10px;">19. <input type="checkbox"/> Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.</div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">•</div> <div style="margin-bottom: 10px;">20. <input type="checkbox"/> Complete loss of off-site power (LOOP) affecting a nuclear generating station per the Nuclear Plant Interface Requirements.</div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">•</div> <div style="margin-bottom: 10px;">21. <input type="checkbox"/> Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).</div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">•</div> <div style="margin-bottom: 10px;">22. <input type="checkbox"/> Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.</div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">•</div> <div style="margin-bottom: 10px;">23. <input type="checkbox"/> Complete loss of Interpersonal Communication and Alternative Interpersonal Communication capability affecting its staffed Bulk Electric System control center for 30 continuous minutes or more.</div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">•</div> <div style="margin-bottom: 10px;">24. <input type="checkbox"/> Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.</div> </div> </div> </div></div></div></div>						
<p>If significant changes have occurred after filing the initial report, re-file the form with the changes and check Update (for the Alert Status) on Line A below.</p> <p>The form must be re-filed within 72 hours of the incident with the latest information and Final (Alert Status) checked on Line A below, unless updated</p>							
LINE NO.							
A.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Alert Status (check one)</td> <td style="width: 15%;">Emergency Alert [] 1 Hour</td> <td style="width: 15%;">Normal Report [] 6 Hours</td> <td style="width: 15%;">System Report [] 1 Business Day</td> <td style="width: 15%;">Update [] As required</td> <td style="width: 15%;">Final [] 72 Hours</td> </tr> </table>	Alert Status (check one)	Emergency Alert [] 1 Hour	Normal Report [] 6 Hours	System Report [] 1 Business Day	Update [] As required	Final [] 72 Hours
Alert Status (check one)	Emergency Alert [] 1 Hour	Normal Report [] 6 Hours	System Report [] 1 Business Day	Update [] As required	Final [] 72 Hours		
B.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Organization Name</td> <td style="width: 60%;"></td> </tr> </table>	Organization Name					
Organization Name							

C.	Address of Principal Business Office	
U.S. Department of Energy Electricity Delivery and Energy Reliability Form OE-417		ELECTRIC EMERGENCY INCIDENT AND DISTURBANCE REPORT
		OMB No. 1901-0288 Approval Expires: 05/31/2021 Burden Per Response: 1.8 hours
SCHEDULE 1 -- ALERT NOTICE (Page 3 of 4)		
INCIDENT AND DISTURBANCE DATA		
D.	Geographic Area(s) Affected (County, State)	
E.	Date/Time Incident Began (mm-dd-yy/hh:mm) using 24-hour clock	____ - ____ - ____ / ____ : ____ mo dd yy hh mm
F.	Date/Time Incident Ended (mm-dd-yy/hh:mm) using 24-hour clock	____ - ____ - ____ / ____ : ____ mo dd yy hh mm
G.	Did the incident/disturbance originate in your system/area? (check one)	Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/>
H.	Estimate of Amount of Demand Involved (Peak Megawatts)	Zero <input type="checkbox"/> Unknown <input type="checkbox"/>
I.	Estimate of Number of Customers Affected	Zero <input type="checkbox"/> Unknown <input type="checkbox"/>

SCHEDULE 1 – TYPE OF EMERGENCY Check all that apply		
J. Cause	K. Impact	L. Action Taken
<input type="checkbox"/> Unknown <input type="checkbox"/> Physical attack <input type="checkbox"/> Threat of physical attack <input type="checkbox"/> Vandalism <input type="checkbox"/> Theft <input type="checkbox"/> Suspicious activity <input type="checkbox"/> Cyber event (information technology) <input type="checkbox"/> Cyber event (operational technology) <input type="checkbox"/> Fuel supply emergencies, interruption, or deficiency <input type="checkbox"/> Generator loss or failure not due to fuel supply interruption or deficiency or transmission failure <input type="checkbox"/> Transmission equipment failure (not including substation or switchyard) <input type="checkbox"/> Failure at high voltage substation or switchyard <input type="checkbox"/> Weather or natural disaster <input type="checkbox"/> Operator action(s) <input type="checkbox"/> Other <input type="checkbox"/> Additional Information/Comments:	<input type="checkbox"/> None <input type="checkbox"/> Control center loss, failure, or evacuation <input type="checkbox"/> Loss or degradation of control center monitoring or communication systems <input type="checkbox"/> Damage or destruction of a facility <input type="checkbox"/> Electrical system separation (islanding) <input type="checkbox"/> Complete operational failure or shutdown of the transmission and/or distribution system <input type="checkbox"/> Major transmission system interruption (three or more BES elements) <input type="checkbox"/> Major distribution system interruption <input type="checkbox"/> Uncontrolled loss of 200 MW or more of firm system loads for 15 minutes or more <input type="checkbox"/> Loss of electric service to more than 50,000 customers for 1 hour or more <input type="checkbox"/> System-wide voltage reductions or 3 percent or more <input type="checkbox"/> Voltage deviation on an individual facility of ≥10% for 15 minutes or more <input type="checkbox"/> Inadequate electric resources to serve load <input type="checkbox"/> Generating capacity loss of 1,400 MW or more <input type="checkbox"/> Generating capacity loss of 2,000 MW or more	<input type="checkbox"/> None <input type="checkbox"/> Shed Firm Load: Load shedding of 100 MW or more implemented under emergency operational policy (manually or automatically via UFLS or remedial action scheme) <input type="checkbox"/> Public appeal to reduce the use of electricity for the purpose of maintaining the continuity of the electric power system <input type="checkbox"/> Implemented a warning, alert, or contingency plan <input type="checkbox"/> Voltage reduction <input type="checkbox"/> Shed Interruptible Load <input type="checkbox"/> Repaired or restored <input type="checkbox"/> Mitigation implemented <input type="checkbox"/> Other <input type="checkbox"/> Additional Information/Comments



		<input type="checkbox"/> Complete loss of off-site power to a nuclear generating station <input type="checkbox"/> Other <input type="checkbox"/> Additional Information/Comments:	
U.S. Department of Energy Electricity Delivery and Energy Reliability Form OE-417		ELECTRIC EMERGENCY INCIDENT AND DISTURBANCE REPORT	OMB No. 1901-0288 Approval Expires: 05/31/2021 Burden Per Response: 1.8 hours
SCHEDULE 2 -- NARRATIVE DESCRIPTION			
(Page 4 of 4)			
Information on Schedule 2 will not be disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act, e.g., exemptions for confidential commercial information and trade secrets, certain information that could endanger the physical safety of an individual, or information designated as Critical Energy Infrastructure Information.			
NAME OF OFFICIAL THAT SHOULD BE CONTACTED FOR FOLLOW-UP OR ANY ADDITIONAL INFORMATION			
M.	Name		
N.	Title		
O.	Telephone Number	()-()-()	
P.	FAX Number	()-()-()	
Q.	E-mail Address		
Provide a description of the incident and actions taken to resolve it. Include as appropriate, the cause of the incident/disturbance, change in frequency, mitigation actions taken, equipment damaged, critical infrastructures interrupted, effects on other systems, and preliminary results from any investigations. Be sure to identify: the estimate restoration date, the name of any lost high voltage substations or switchyards, whether there was any electrical system separation (and if there were, what the islanding boundaries were), and the name of the generators and voltage lines that were lost (shown by capacity type and voltage size grouping). If necessary, copy and attach additional sheets. Equivalent documents, containing this information can be supplied to meet the requirement; this includes the NERC EOP-004 Disturbance Report. Along with the filing of Schedule 2, a final (updated) Schedule 1 needs to be filed. Check the Final box on line A for Alert Status on Schedule 1 and submit this and the completed Schedule 2 no later than 72 hours after detection that a criterion was met.			
R. Narrative:			
S. Estimated Restoration Date for all Affected Customers Who Can Receive Power		____ - ____ - ____ mo dd yy	
T. Name of Assets Impacted			
U. Notify NERC/E-ISAC	Select if you approve of all of the information provided on the Form being submitted to the North America Electric Reliability Corporation (NERC) and/or the Electricity Information Sharing and Analysis Center (E-ISAC)		



	<p>NERC is an entity that is certified by the Federal Energy Regulatory Commission to establish and enforce reliability standards for the bulk power system but that is not part of the Federal Government. This information would be submitted to help fulfill the respondent's requirements under NERC's reliability standards.</p> <p>If approval is given to alert NERC and/or E-ISAC the Form will be emailed to systemawareness@nerc.net and/or operations@eisac.com when it is submitted to DOE. DOE is not responsible for ensuring the receipt of these emails by NERC and/or E-ISAC.</p> <p><input type="checkbox"/> Notify NERC <input type="checkbox"/> Notify E-ISAC</p>
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