



2023 Public Safety Power Shutoff Full-Scale Exercise

Controller/Evaluator Handbook

May 1st – 2nd, 2023

The Controller/Evaluator (C/E) Handbook describes the roles and responsibilities of exercise controllers and evaluators, and the procedures they should follow. Because the C/E Handbook contains information about the scenario and about exercise administration, it is distributed only to those individuals specifically designated as controllers or evaluators; it should not be provided to exercise players.

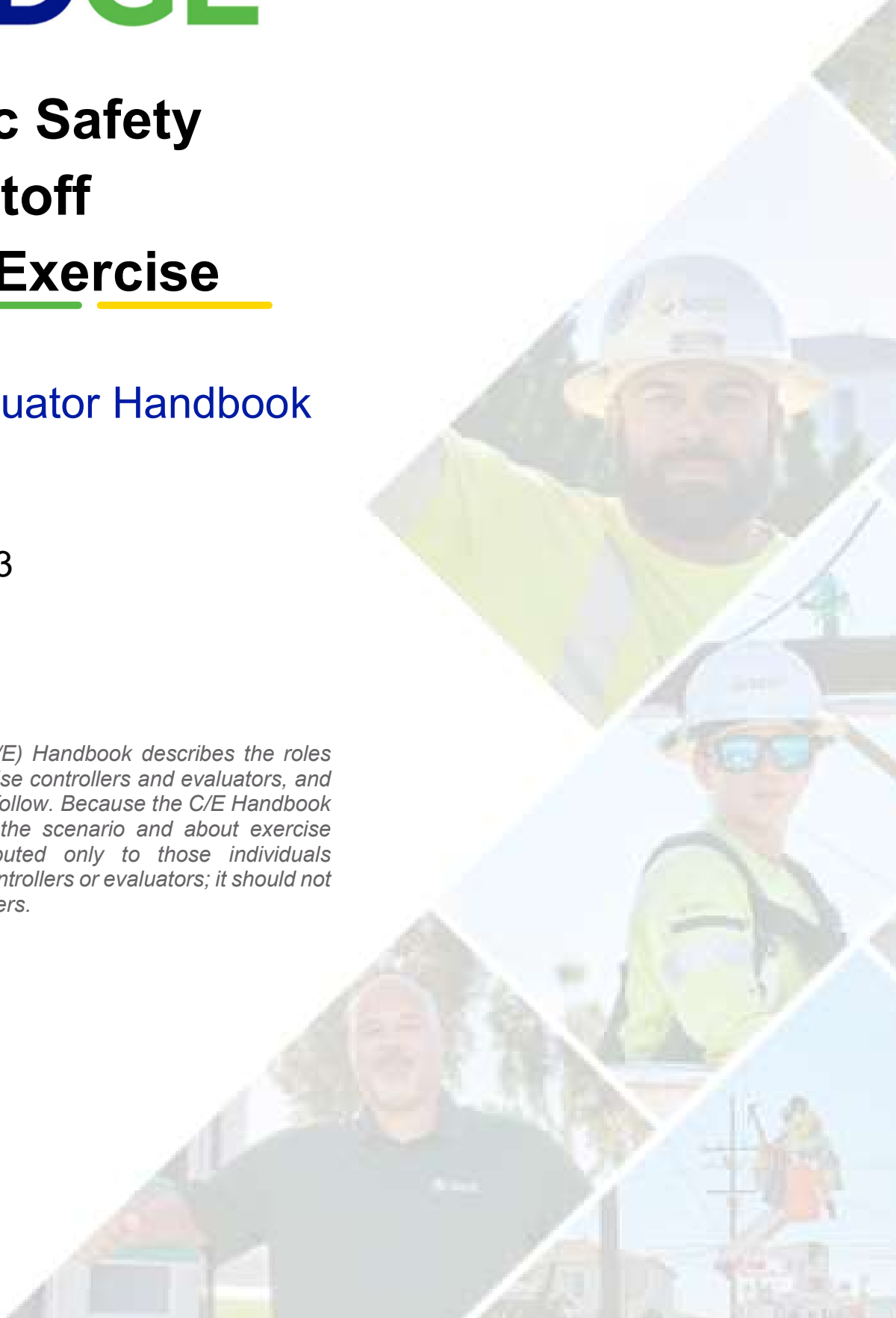


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EXERCISE OVERVIEW

Exercise Name	Public Safety Power Shutoff (PSPS) Full-Scale Exercise (FSE)
Exercise Dates	May 1, 2023, from 9:00 a.m. – 3:30 p.m. May 2, 2023, from 9:00 a.m. – 2:00 p.m.
Purpose	The purpose of this exercise is to test SDG&E's understanding of de-energization and notification procedures for a PSPS event and is designed to provide forum for internal participants and external stakeholders to enhance their knowledge, understanding, and ability to implement appropriate actions responding to PSPS events while adhering to CPUC compliance guidelines.
Scope	This exercise is a full-scale exercise, planned two days, each with set timeframes of exercise play conducted at SDG&E EOC, SDG&E Century Park Campus, and virtually coordinated on Microsoft Teams® for observational purposes. The exercise will involve members of SDG&E and external stakeholders. Day 1 will focus on protocols <i>prior</i> to de-energization. Day 2 will focus on de-energization protocols.
Focus Area(s)	Stage 1: Activating PSPS Protocols/Potential to De-energize Stage 2: Decision to De-energize Stage 3: De-energization Initiated
Capabilities & Objectives	<ol style="list-style-type: none"> Operational Coordination: Exhibit the ability to implement PSPS processes in accordance with all applicable SDG&E PSPS plans, policies, and procedures, and in compliance with current CPUC PSPS guidelines. Operational Communication: Engage with public safety partners, providers, and agencies to establish and maintain situational awareness throughout the duration of a PSPS event. Public Information and Warning: Demonstrate the ability to deliver all required notifications to impacted public safety partners, regulators, and customers, in accordance with established regulatory PSPS protocol timelines. Community Resilience: Display the capability to initiate and maintain support programs for customers, to include Access and Functional Needs services, and other programs as appropriate.
Threat or Hazard	Extreme or elevated fire weather threat event
Scenario	Conditions triggering PSPS activation with wildfire in Barona area.
Participating Organizations	This exercise is focused on SDG&E's EOC members and our external partners. For a full list of participants, see Appendix B .
Point of Contact	Jessica Kunert SDGE Emergency Management jkunert@sdge.com

GENERAL INFORMATION

PARTICIPANT ROLES AND RESPONSIBILITIES

The term participant encompasses many groups of people, not just those playing in the exercise. Groups of participants involved in the exercise, and their respective roles and responsibilities, are as follows:

- **Players:** Players are personnel who have an active role in discussing or performing their regular roles and responsibilities during the full-scale exercise. Players discuss or initiate actions in response to the simulated emergency.
- **Controllers:** Controllers plan and manage exercise play, set up and operate the virtual exercise site, and may support simulation.
- **Simulators:** Simulators are control staff personnel who deliver scenario injects representing actions, activities, and conversations of an individual, agency, or organization that is not participating in the exercise. Simulators function semi-independently under the supervision of the SimCell Lead Controller, in accordance with instructions provided in the Master Scenario Events List (MSEL).
- **Observers:** Observers are individuals that do not directly participate in but may watch selected segments of the exercise as it unfolds.
- **Evaluators:** Evaluators evaluate and provide feedback on a designated functional area of the exercise. Evaluators observe and document performance against established capability targets and critical tasks, in accordance with the Exercise Evaluation Guides (EEGs).

EXERCISE ENGAGEMENT

This full-scale exercise will take place in-person with virtual access to components of the exercise. The exercise will take place over a two-day period evaluating SDG&E's response to a PSPS event. The goal of this exercise is to test the notification and decision-making procedures for a PSPS event.

- Day One of the exercise will evaluate PSPS functions at the 72 and 48-hour prior to de-energization involving notification group personnel and other applicable SDG&E assets.
- Day Two of the exercise will evaluate PSPS functions at the onset of PSPS de-energization involving a level 2 SDG&E EOC activation. Exercise players will also integrate operational impacts from a wildfire in the SDG&E service territory into the PSPS response.

This exercise will use the following systems and platforms to engage exercise players.

Table 1. Systems and Process - Day One

Full-Scale Exercise (Day One)		
Document / Tool	Status	
	72 HR	48HR
Meteorology Briefing	Simulate	Simulate
ENS Report	Develop & Send to Test Group Only	Develop & Send to Test Group Only
GIS PSPS Preview	Develop & Post	Develop & Post

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Full-Scale Exercise (Day One)		
Document / Tool	Status	
	72 HR	48HR
PSPS Dashboard	Do Not Use	Do Not Use
De-energized EOC Dashboard	Do Not Use	Do Not Use
Public Safety Partner Portal & Mobile App	Develop & Post	Develop & Post
CalOES Online Form	Develop & Send	Develop & Send
CPUC Notification	Develop & Send	Develop & Send
Mass Email Partner Notification Language (Replaced K-2)	Develop & Send	Develop & Do Not Send
CalOES Briefing PowerPoint	Do Not Use	Simulated
News Release	Develop & Do Not Send	Develop & Do Not Send
Accessible Hazard Alert System (AHAS)	Develop & Do Not Send	Develop & Do Not Send
AFN Daily Summary Email	Develop & Do Not Send	Develop & Do Not Send
Public Website	Develop: QA Only	Develop: QA Only

Table 2. Systems and Process – Day Two

Full-Scale Exercise (Day Two)	
Document/Tool	Status (Baseline Scenario Weather Conditions)
Meteorology Briefing	Simulate
ENS Report	Develop & Send to Test Group Only
GIS Production of Potential Impact Area	Simulate: Screenshots
PSPS Dashboard	Utilize
De-energized EOC Dashboard	Utilize
Public Safety Portal & Mobile App	Develop & Post
CalOES Online Form	Develop & Send
CPUC Notification	Develop & Send
Mass Email Partner Notification Language (Replaced K-2)	Develop & Do Not Send
CalOES Briefing PowerPoint	Develop
News Release	Develop & Do Not Send
Accessible Hazard Alert System (AHAS)	Develop & Do Not Send
AFN Daily Summary Email	Develop & Do Not Send
Public Website	Develop: QA Only

Legend:	Simulate	Develop & _____	Develop & Do Not Send/ Send to/ QA Only	Do Not Use
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EXERCISE ASSUMPTIONS AND ARTIFICIALITIES

In any exercise, assumptions and artificialities may be necessary to complete play in the time allotted and/or account for logistical limitations. Artificialities and constraints, such as the exercise assembly area, may detract from realism. Exercise participants should accept that assumptions and artificialities are inherent in any exercise and should not allow these considerations to negatively impact their participation.

Assumptions

- This is conducted in a no-fault learning environment wherein capabilities, plans, systems, and processes will be evaluated.
- Exercise simulation contains sufficient detail to allow players to react to information and situations as they are presented.
- Response times may be accelerated, assume the response timeline provided by exercise controllers are realistic, even if it is faster than real world actions would occur.
- Background information on the PSPS event has been developed in advance of this exercise or will be simulated due to its relevance to real-world systems or information.
- Participants may need to balance exercise play with real-world emergencies. Real-world emergencies take priority.

Artificialities

- Communication methods listed in the Communications Plan are available for all players to use during the exercise.
- While players are asked to complete tasks as they would in a real-world activation, some tasks will be notional (not actually completed) such as boots on the ground movement, website updates, or customer notifications. To identify what notifications will occur during the exercise, please see **Table 1 & 2: Systems and Process Table**.
- While every effort has been made to ensure accurate information is included in the scenario, some device numbers are revised on an ongoing basis. Because of this, not all numbers and devices may align perfectly.
- External partners are invited as exercise observers to view internal SDG&E decision-making processes and operational coordination that occurs in SDG&E's EOC. SDG&E's EOC is a secure environment and existing policies regarding external coordination and participation in EOC operations will apply during real-world events.

EXERCISE LOGISTICS

SAFETY/ SECURITY

Exercise participant safety takes priority over exercise events. Although the organizations involved in the PSPS full-scale exercise come from various groups, they share the basic responsibility for ensuring a safe environment for all personnel involved in the exercise. Professional health and safety ethics should guide all participants to operate in their assigned roles in the safest manner possible. It is important to be aware that participating in an operations-based exercise environment is inherently dangerous.

The following general requirements apply to each venue/location participating in the exercise:

- All controllers, evaluators, and other exercise staff will serve as safety observers while exercise activities are under way. Any safety concerns must be immediately reported to the on-site controller or Exercise Director.
- Participants will be responsible for their own and each other's safety during the exercise. All persons associated with the exercise must stop play if a real-world safety problem exists. After the problem is corrected, exercise play may resume.
- All organizations will comply with their own environmental, health, and safety plans and procedures, in addition to appropriate federal, state, and local environmental health and safety regulations.
- Real-world emergency actions take priority over exercise actions.
- Exercise players will comply with real-world emergency procedures, unless otherwise directed by the control staff.
- All communications (e.g., written or voice) regarding an emergency will begin with "THIS IS A REAL-WORLD EMERGENCY".

SITE ACCESS

SDG&E is located at 8326 Century Park Ct, San Diego, CA 92123. Participants will have access to highway specific directions through the 2023 SDG&E PSPS FSE invite email/ event calendar item.

Upon arrival at SDG&E's Century Park, participants will follow these instructions:

- Drive up to the security gate on the left after entering the cul-de-sac.
- Security will direct participants through the gate and reserved parking on the right upon entering the campus.
- Participants may use any unlabeled parking spots in the lot or garage.
- After a slight right turn, Building 6 will be on the left. Building 6 is home to the EOC and Emergency Management.
- Enter Building 6 and meet with Security.
- Participants will sign in and receive a visitor pass from Security.
- A member of the exercise team will escort participants to the event space on the first floor.

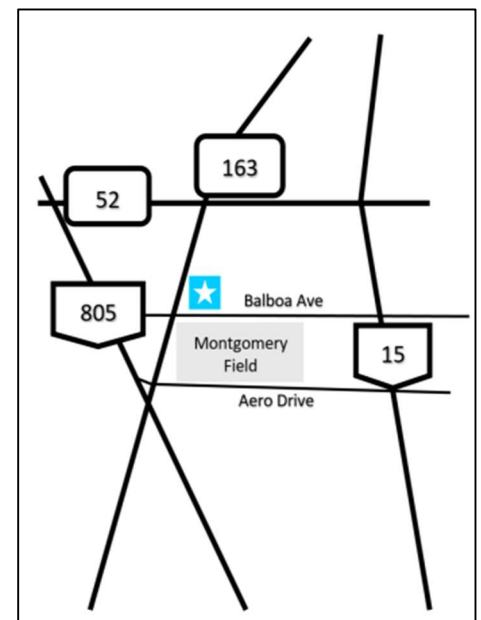


Figure 1: SDG&E Century Park Campus Location

POST EXERCISE ACTIVITIES

Hotwash

At the conclusion of each exercise day, a controller will lead a hotwash to allow players to discuss strengths and areas for improvement and to seek clarification regarding player actions and decision-making processes that were utilized during the simulated PSPS response. The information gathered during a hotwash contributes to the AAR/IP and any exercise suggestions can improve future PSPS exercises.

Participant Feedback Survey

The Participant Feedback Survey provides participants with the opportunity to comment candidly on exercise activities. The surveys will be completed via [Survey Monkey®](#). Exercise staff will include a link to the survey in the Teams meeting chat at the end of exercise play on Day Two. The link will also be e-mailed to all participants following the exercise. Participants are highly encouraged to complete this survey.

After Action Report (AAR)

The AAR summarizes key information gathered during the evaluation process and hotwash. The AAR primarily focuses on the analysis of core capabilities, including capability performance, strengths, and areas for improvement. AARs also include basic exercise information, including the exercise name, type of exercise, dates, location, participating organizations, mission area(s), specific threat or hazard, a brief scenario description, and the name of the exercise sponsor and point of contacts.

Improvement Planning

Improvement planning is the process by which the observations recorded in the AAR are resolved through development of concrete corrective actions. These identified actions will be prioritized and tracked as a part of a continuous corrective action program implemented by SDG&E.

CONTROLLER INFORMATION & GUIDANCE

OVERVIEW

The exercise controllers maintain the exercise scope, pace, and integrity during exercise conduct. The control structure in a well-developed exercise ensures that exercise play assesses objectives in a coordinated fashion at all levels and at all locations for the duration of the exercise.

EXERCISE CONTROL STRUCTURE

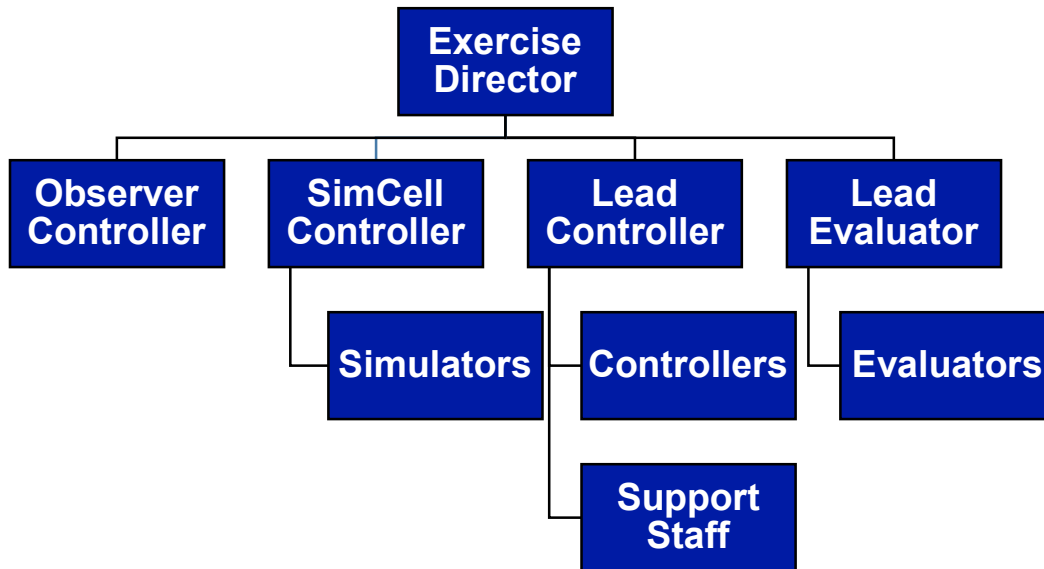


Figure 2: Staff Organizational Chart

CONTROLLER INSTRUCTIONS

Before the Exercise

- Review the CE Handbook and MSEL, prior to the exercise.
- Participate in the Controller/Evaluator/Simulator training on April 24th.
- Report to designated exercise location no later than 7:30 AM on both exercise days.
- Ensure access to all necessary exercise platforms (e.g., Team).
- Perform all pre-exercise duties (e.g., briefings) as required.

During the Exercise

- Monitor the exercise timeline, MSEL, and pace of the exercise.
- Do not give information to players about scenario progress or other participants' methods of problem resolution.
- Do not make up information.
- Ensure players stay on topic.

After the Exercise

- Participate in the Hotwash.
- Meet with evaluators, as necessary, to ensure all information was adequately captured from the exercise.
- Participate in the Staff Debriefing following the exercise.

CONTROLLER RESPONSIBILITIES

Exercise Director

- Performs any designated exercise kick-off activities as designated (e.g., exercise briefings).
- Serves as the eyes and ears of the exercise.
- Oversees all exercise functions.
- Delivers exercise in-brief.
- Provides overall EOC controller support.
- Conducts hotwash at EOC.
- Supervises the safety of all exercise participants.

Lead Controller

- Serves as the eyes and ears of the exercise.
- Oversees and remains in contact with other controllers, evaluators and SimCell.
- Coordinates decisions regarding deviations or significant changes to the exercise execution.
- Monitors exercise pace.
- Oversees setup and cleanup of exercise, and positioning of controllers and evaluators.
- Supports exercise in-brief and hotwash.
- Supervises the safety of all exercise participants.

Simulation Cell (SimCell) Lead Controller

- Provides overall SimCell Controller support.
- Oversees simulators.
- Ensures players begin and end communications with “Exercise, Exercise, Exercise”.
- Monitors exercise pace.
- Maintains exercise pace by releasing injects as described in MSEL and adjusts inject pace as needed in coordination with Exercise Director and Lead Controller.
- Supervises the safety of all exercise participants.

Support Controllers

- Provides overall EOC/SimCell support.

Admin/Logistics Support

- Oversees all site exercise functions.
- Provide Controller support.

DOCUMENTATION

The controller documentation consists of the C/E Handbook; Controller, Evaluator, and Simulator Briefing; and the MSEL. Controllers should review and reference these materials and any additional professional material for exercise day.

EVALUATOR INFORMATION & GUIDANCE

OVERVIEW

Assigned exercise evaluators will assess SDG&E's capabilities to meet the four pre-determined objectives of the PSPS Full-Scale Exercise. Critical tasks listed under each objective will provide the framework by which evaluators will assess how players performed during exercise play. Information collected in the EEGs will be used to determine whether the exercise objectives were effectively met and will help identify strengths and areas for improvement. Evaluation is accomplished by the following means:

- Recording observations of player interactions and actions in response to simulated injects.
- Analyzing exercise observations to identify strengths and areas for improvement to develop an Improvement Plan.
- Assigning a rating for each critical task and identifying the root cause(s) behind those actions.

EVALUATOR INSTRUCTIONS

General

- Avoid personal conversations with players.
- Do not give information to players about event progress or other participants' methods of problem resolution. Players are expected to obtain information through their own resources, SimCell, and/or other players.

Before the Exercise

- Review appropriate emergency plans, procedures, and protocols.
- Participate in the Controller/Evaluator/Simulator training on April 24th.
- Review appropriate exercise materials, including the exercise schedule and evaluator instructions.
- Review the EEGs and other supporting materials to gain a thorough understanding of the objectives and critical tasks associated with each.

During the Exercise

- Use EEGs to document performance relative to exercise objectives, core capabilities, and critical tasks.
- Focus on whether players complete critical tasks at the appropriate time, as specified in the EEGs.
- Stay in proximity to player decision-makers to best measure completion of critical tasks.
- Document performance of core capabilities throughout the exercise.

After the Exercise

- Do not discuss specific issues or problems with participants prior to the Hotwash.
- Participate in the Hotwash and take notes on findings identified by players.
- Summarize notes and prepare for the Controller and Evaluator Debriefing.
- Complete and submit all EEGs and other documentation no later than **Friday, May 12, 2023**.
- Complete the Participant Feedback Form

DOCUMENTATION

The evaluator documentation package for the PSPS Full-Scale Exercise consists of the C/E Handbook; Day 1 and Day 2 EEGs; MSEL, and other items as necessary. Evaluators should review and reference this documentation before and during the exercise. Evaluators may utilize additional materials such as relevant PSPS protocols, as needed.

Exercise Evaluation Guides

This year, both internal SDG&E staff and external investor-owned utility (IOU) partners will serve as evaluators to assess SDG&E's response activities to a PSPS event. The EEGs will serve as a consistent tool to guide internal and external evaluators through the exercise observation and evaluation process. EEGs are aligned to the exercise objectives and list the relevant critical tasks that will be performed by internal SDG&E personnel. Assessments collected in the EEGs by each evaluator will be used to develop the AAR. Evaluators should complete their assigned EEGs and submit them to the Lead Evaluator at the conclusion of the exercise on both days.

After Action Report/Improvement Plan

The focus of the AAR is the analysis of objectives and aligned capabilities. For each objective exercised, the AAR includes strengths and areas for improvement. Following completion of the draft AAR, subject matter experts and appropriate leadership within SDG&E will confirm the observations identified in the AAR and determine which areas for improvement require further action. As part of the improvement planning process, corrective actions are identified to resolve those areas for improvement and determine the appropriate SDG&E group(s) responsible for those actions.

USING EXERCISE EVALUATION GUIDES

The EEGs are structured to capture information specifically related to the pre-determined evaluation requirements developed by the Exercise Planning Team. The following evaluation requirements are documented in each EEG:

- **Objectives:** Objectives are the performance thresholds for each core capability, and state exactly what that player aims to achieve.
- **Core capabilities:** Core capabilities are the distinct critical elements necessary to achieve a specific mission area (e.g., response).
- **Critical tasks:** Critical tasks are the distinct elements required to accomplish an objective. Critical tasks generally include the activities, resources, and responsibilities required to fulfill the identified objectives. All critical tasks are based on operational plans, policies, and procedures to be exercised and tested during the exercise.
- **Ratings:** The summary description of performance as related to achieving the objectives. The ratings should be a summary of how players performed in accomplishing the objective and are not reflective of one particular task.

Documenting Observations

For each EEG, evaluators provide observation notes, root causes of observations, and a final rating for each critical task. To efficiently complete these sections of the EEG, evaluators should focus their observations on the critical tasks listed in the EEG. Notes should be organized based on observed player strengths and areas for improvement. Additional instruction is contained in the EEGs pre-developed for day one and day two exercises.

Additionally, observations should include:

- How the critical task was or was not achieved.
- Pertinent decisions made and information gathered to make those decisions.

- Requests made and how requests were handled.
- Resources utilized.
- Plans, policies, procedures, or legislative authorities used or implemented.
- Any other factors that contributed to the decision-making process.

SIMULATOR INFORMATION & GUIDANCE

Because the exercise is of limited duration and scope, certain details will be simulated, as will be outlined in the exercise briefings.

OVERVIEW

Simulators are control staff personnel who roleplay nonparticipating organizations or individuals who would otherwise be involved in a real-world environment involving the proposed scenario. They most often operate out of the Simulation Cell (SimCell), but they may occasionally have face-to-face contact with players. Simulators function semi-independently under the supervision of SimCell Lead Controller, enacting roles (e.g., media reporters or next of kin) in accordance with instructions provided in the Master Scenario Events List (MSEL). All simulators are ultimately accountable to the Exercise Director and SimCell Lead Controller.

SIMULATOR INSTRUCTIONS

Before the Exercise

- Review appropriate emergency plans, procedures, and protocols.
- Review appropriate exercise package materials, including scenario, MSEL/injects, Communications Plan, StartEx materials, and simulator instructions.
- Check in with exercise staff at least 30 minutes prior to the start of the exercise briefing.

During the Exercise

- Simulators releasing injects must begin and end all exercise communications with the statement, “EXERCISE, EXERCISE, EXERCISE.”
- Role play as non-participating organizations or individuals.
- Enact roles in accordance with instructions provided in the MSEL.
- Deliver injects as directed by the SimCell Controller via Teams or phone.
- Review scenario and Master Scenario Events List (MSEL) prior to the exercise.
- Do not release an inject without guidance/approval from the SimCell Controller.
- Send injects to the appropriate player as detailed within the MSEL.
- Field calls or Teams chat from players and interact based on their desired entity they wish to speak with and their request/response.
- Respond accordingly to players utilizing your knowledge of the scenario, existing plans/policies/procedures, and expertise.
- Instruct players on how to follow up.
- Track inject delivery, note any interactions/decisions made with players, and note any follow-up required.
- Injects to internal SDG&E employees are to be delivered via Teams; Injects to external partners are to be delivered via phone. Contact information can be found in **Appendix B: Communications Plan**.

After the Exercise

- At the conclusion of the exercise, summarize any notes/observations and provide them to the SimCell Controller.
- Complete the Participant Feedback Form.
- Attend the exercise Hotwash.

DOCUMENTATION

The simulator documentation to focus on for the position consists of the C/E Handbook, MSEL and Communications Plan. Simulators should review and reference this documentation before and during the exercise. Simulators may utilize additional professional materials, as required.

Master Scenario Event List (MSEL)

The MSEL contains injects designed to simulate exercise play and promote expected player actions. Each inject includes a script/message that contains the information needed to trigger player response actions per the appropriate plan, policy, or procedure. These messages may also contain related attachments to drive exercise play (e.g., maps, weather reports). All injects will originate from simulated entities (individuals, agencies/organizations, tools, systems, etc.). Simulators will reference this document in the delivery of their assigned injects. Simulators should review and understand each MSEL inject required for their segments of the exercise.

Communications Plan

The Communications Plan displays the internal and external players for that particular day of exercise and the primary means to communicate with them when delivering inject messages. See **Appendix B** for further communication information.

APPENDIX A: EXERCISE SCHEDULE

The functional exercise will take place over a two-day period. The exercise schedule is outlined below:

Table 3. Exercise Schedule

Time	Activity
May 1, 2023	
7:30 a.m.	Staff Arrival
8:00 – 8:50 a.m.	Player Arrival
9:00 a.m. – 9:30 a.m.	Exercise Briefing (72 HRS prior to de-energization protocols)
9:30 a.m. – 12:00 p.m.	Exercise Play
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 1:15 p.m.	Exercise Briefing (48 HRS prior to de-energization protocols)
1:15 p.m. – 3:00 p.m.	Exercise Play
3:00 p.m. – 3:30 p.m.	EndEx, Hotwash, and Day 2 Prep
May 2, 2023	
7:30 a.m.	Staff Arrival
8:00 – 8:50 a.m.	Player Arrival
9:00 a.m. – 9:30 a.m.	Exercise Briefing (Onset of potential de-energization)
9:30 a.m. – 1:30 p.m.	Exercise Play
1:30 p.m. – 2:00 p.m.	EndEx & Hotwash

APPENDIX B: COMMUNICATIONS PLAN

GENERAL GUIDANCE

The following communication guidelines should be followed for this exercise.

- All communications will be contained to those players and simulation entities listed on the Communications Plan/Directory.
- All communications (e.g., written, Teams, telephone, and e-mail) during the exercise will begin and end with the statement “EXERCISE, EXERCISE, EXERCISE”.
- If you need to step away regarding an urgent responsibility, please have someone available to take over as normal response expectations and rules would apply.
- If an external agency player needs to step out or pause play, or for any generic simulation needs please contact: Sarah Glady at (619) 207-7327
- If an agency needs a question addressed, please call the SimCell at: (619) 207-7327
- Once a task is complete, please post any files relevant to response in the EOC Teams Channel as would normally occur during an EOC activation.
- Ensure players are aware of the Communications Plan/Directory when identifying who they need to contact during the exercise.

COMMUNICATIONS DIRECTORY

Day One			
Exercise Role	Name	Email	Phone
Exercise Staff			
Exercise Director	Jessica Kunert	JKunert@sdge.com	(619) 207-7327
Lead Controller	Justin Cox	JCox@PrestigeAnalytics.com	
SimCell Controller	Sarah Gladly	SGladly1@sdge.com	(619) 207-7327
Virtual Controller			
Lead Evaluator	Brian Sauerhage	BSauerha@sdge.com	Microsoft Teams
Evaluators	Rick Hinrichs Christine Angulo Roxanne Casias Stephanie Kenny	RHinrichs@sdge.com Christine.Angulo@sce.com Roxanne.Casias@sce.com Stephanie.B.Kenny@sce.com	Microsoft Teams
Simulators	Sherinna Paguio Jonathan Baltazar Cory Ryan	SPaguio@sdgecontractor.com JBaltaza@sdgecontractor.com CRyan2@sdgecontractor.com	Microsoft Teams SimCell Main Line
Observer Host	Prestige		(619) 207-7327
Admin/ Support Staff	Prestige & SDG&E		(619) 207-7327
Exercise Players			
Deputy OIC	Tashonda Taylor	Defer to Microsoft Teams	
AFN Liaison	Elaine Mezta		
Customer Service Branch Director	Danielle Kyd		
Electric Commodity Liaison	Paul Greco		
ENS Unit	Brett Carnot		
GIS Unit Legal Officer	Katherine Fuller		
Liaison Officer	Kevin O'Beirne		
Meteorology Unit	Katie Giannecchini		
Planning Section Chief	Michael Knobbe		
Public Information Officer	Helen Gao		
Regulatory Officer	Shewit Woldegiorgis		

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Day Two			
Exercise Role	Name	Email	Phone
Exercise Staff			
Exercise Director	Jessica Kunert	JKunert@sdge.com	(619) 207-7327
Lead Controller	Justin Cox	JCox@PrestigeAnalytics.com	
SimCell Controller	Sarah Glady	SGlady1@sdge.com	(619) 207-7327
Virtual Controller			
Lead Evaluator	Brian Sauerhage	BSauerha@sdge.com	Microsoft Teams
Evaluators	Rick Hinrichs Christine Angulo Roxanne Casias Stephanie Kenny	RHinrichs@sdge.com Christine.Angulo@sce.com Roxanne.Casias@sce.com Stephanie.B.Kenny@sce.com	Microsoft Teams
Simulators	Sherinna Paguio Jonathan Baltazar Cory Ryan	SPaguio@sdgecontractor.com JBaltaza@sdgecontractor.com CRyan2@sdgecontractor.com	Microsoft Teams (619) 207-7327
Observer Host	Prestige		
Admin/ Support Staff	Prestige & SDG&E		
Exercise Players			
Deputy Officer In Charge	Tashonda Taylor	Defer to Microsoft Teams	
Regulatory Officer	Shewit Woldegiorgis		
Emergency Management Advisor	Jorge Balvaneda		
Liaison Officer	Kevin O'Beirne		
AFN Liaison Officer	Elaine Mezta		
Customer Service Branch Chief	Danielle Kyd		
ENS Lead	Bret Carnot		
CRC Unit	Mark Mezta		
IT Unit	William Watson		
DOC-E	Kirsten Petersen		
Public Information Officer (PIO)	Helen Gao		
Planning Section Chief	Michael Knobbe		
Documentation Unit	Marissa Heater & Crystal Yousef		
Situation Status Unit	Toni Romo		
Fire Coordination Unit	Richard Veihl		
GIS	Katherine Fuller		
Meteorology Unit	Katie Giannecchini		

APPENDIX C: EXERCISE SCENARIO

DAY ONE AM: 72 HOURS PRIOR TO DE-ENERGIZATION

It is currently 72 hours in advance of an anticipated PSPS event. Forecast models in advance of the event indicate that will surface in a mountain wave pattern. Such events are known for producing strong winds that occur outside of the “typical” Santa Ana wind footprint and are notoriously difficult to forecast. The Fire Potential Index (FPI) and Santa Ana Fire Potential Index (SAWTI) Outlook read as follows:

Figure 4: Fire Potential Index (72 Hours)

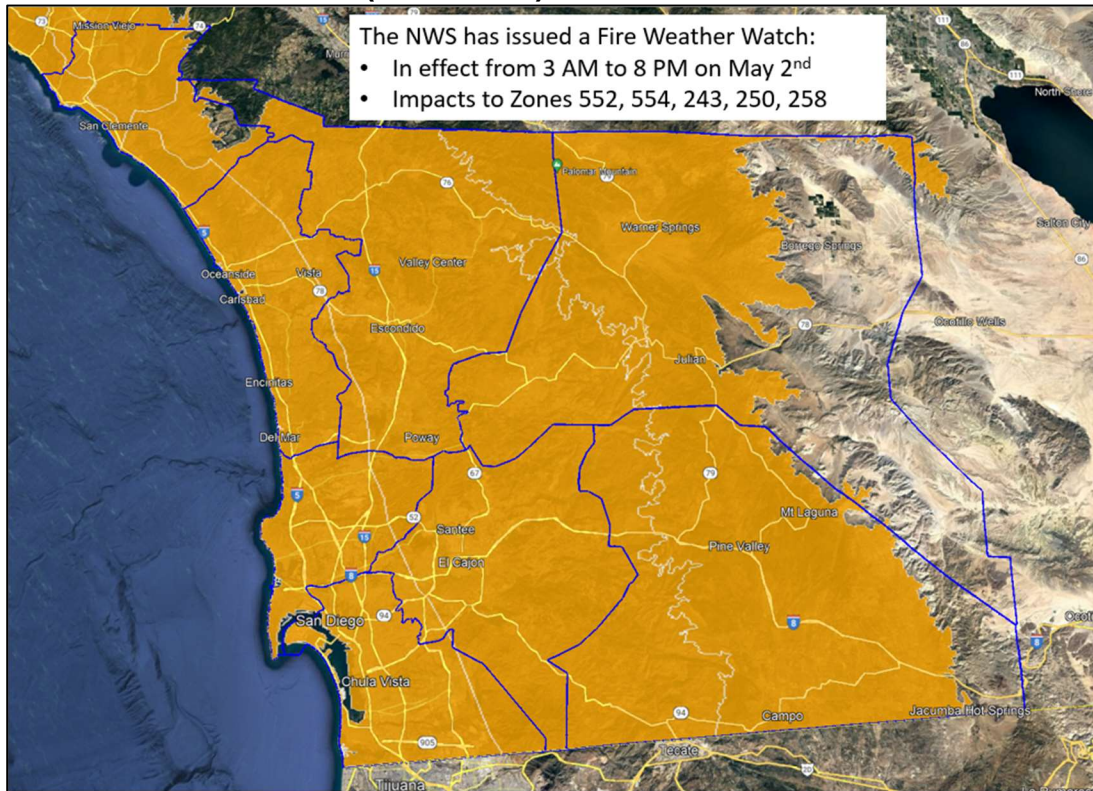
	Sat 4/29	Sun 4/30	Mon 5/01	Tue 5/02	Wed 5/03	Thu 5/04	Fri 5/05
ME	Elevated 13	Elevated 13	Elevated 14	Extreme 16	Elevated 14	Elevated 14	Elevated 14
RA	Elevated 13	Elevated 13	Elevated 14	Extreme 16	Elevated 14	Elevated 14	Elevated 14
EA	Elevated 13	Elevated 13	Elevated 13	Extreme 15	Elevated 14	Elevated 14	Elevated 13
NE	Elevated 13	Elevated 13	Elevated 13	Extreme 1	Elevated 14	Elevated 14	Elevated 13
OC	Normal 11	Elevated 12	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12
NC	Normal 11	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11
BC	Normal 11	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11
CM	Normal 11	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11

Figure 3: SAWTI (72 Hours)

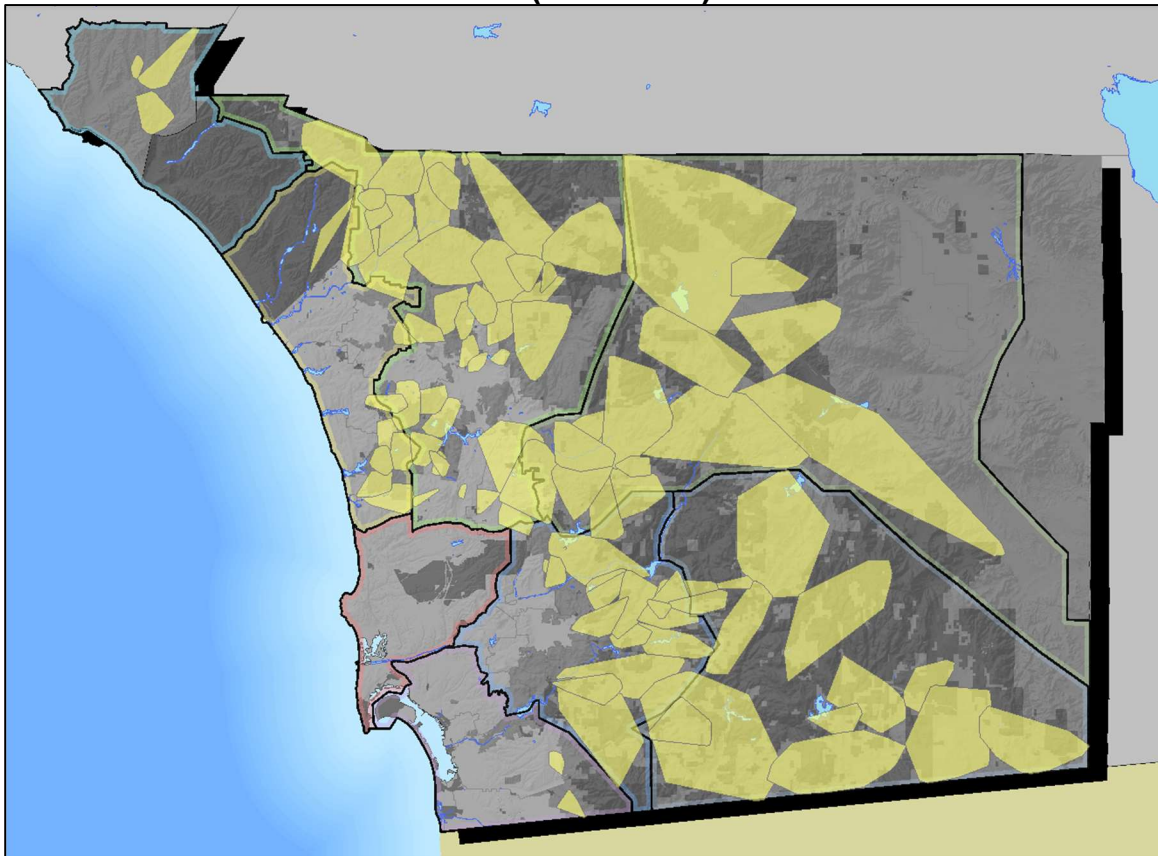
SANTA ANA WILDFIRE THREAT INDEX				
Zones	Sat/Apr 29	Sun/Apr 30	Mon/May 1	Tue/May 2
Zone 1: LA-Ventura				
Zone 2: Orange-Inland Empire				
Zone 3: San Diego				
Zone 4: Santa Barbara				

NO RATING	Winds are either not expected, will not contribute to significant fire activity.
MARGINAL	Upon ignition, fires may grow rapidly.
MODERATE	Upon ignition, fires will grow rapidly and will be difficult to control.
HIGH	Upon ignition, fires will grow very rapidly, will burn intensely, and will be very difficult to control.
EXTREME	Upon ignition, fires will have extreme growth, will burn very intensely, and will be uncontrollable.

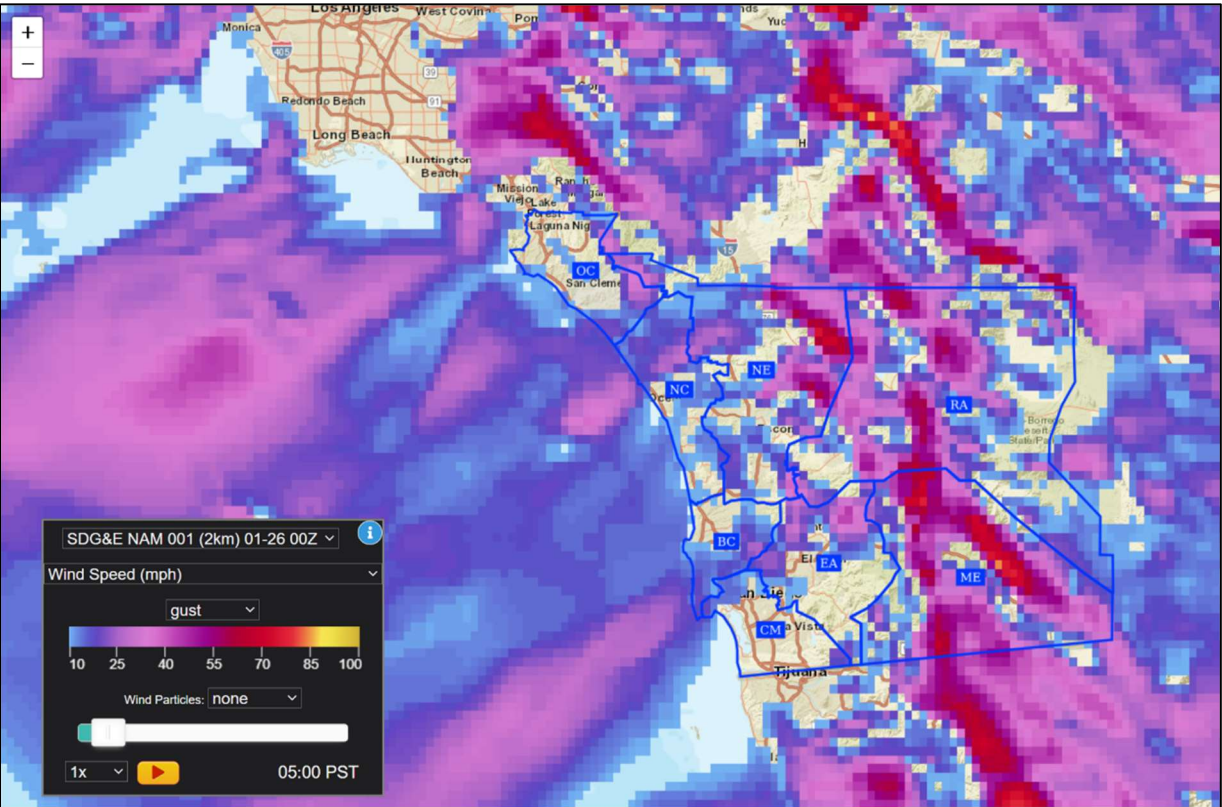
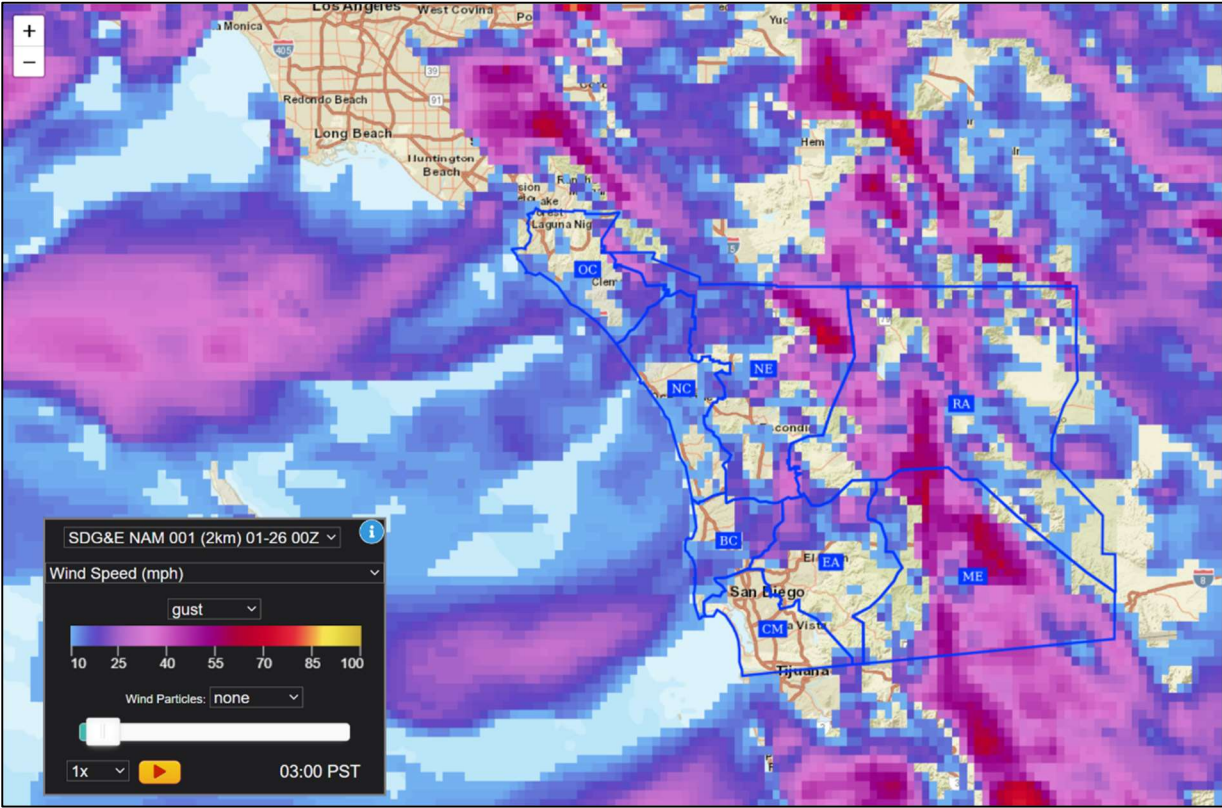
Fire Weather Watch (72 Hours)



GIS Potential Areas for PSPS (72 Hours)



Wind Speeds Over SDG&E Service Territory (72 Hours)



DAY ONE PM: 48 HOURS PRIOR TO DE-ENERGIZATION

It is currently 48 hours in advance of an anticipated PSPS event. Forecast models in advance of the event indicate that winds will surface in a mountain wave pattern and will be difficult to forecast. A high wind (95/99%) event is imminent with extreme FPI and the potential to de-energize critical infrastructure and customers. The SDG&E EOC is at a Level IV Level Activation. The NWS has issued a Red Flag Warning in effect from 3 AM to 8PM on May 2nd. Zones 552, 554, 243, 250 are expected to be potentially impacted. The Fire Potential Index (FPI) and Santa Ana Fire Potential Index (SAWTI) Outlook read as follows:

Figure 5: Fire Potential Index (48 Hours)

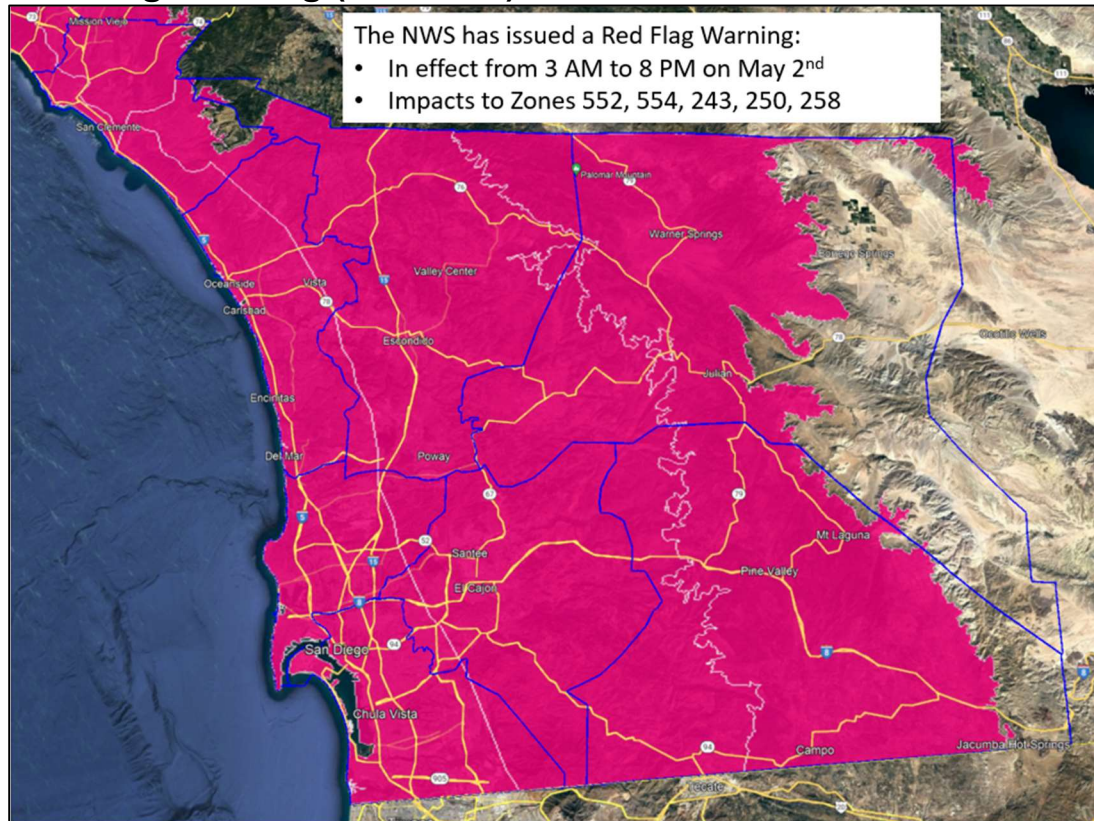
	Sun 4/30	Mon 5/01	Tue 5/02	Wed 5/03	Thu 5/04	Fri 5/05	Sat 5/06
ME	Elevated 13	Elevated 14	Extreme 16	Elevated 14	Elevated 14	Elevated 14	Elevated 14
RA	Elevated 13	Elevated 14	Extreme 16	Elevated 14	Elevated 14	Elevated 14	Elevated 14
EA	Elevated 13	Elevated 13	Extreme 16	Elevated 14	Elevated 14	Elevated 13	Elevated 13
NE	Elevated 13	Elevated 13	Extreme 16	Elevated 14	Elevated 14	Elevated 13	Elevated 13
OC	Elevated 12	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Normal 11
NC	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11
BC	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11
CM	Normal 11	Elevated 13	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11

Figure 6: SAWTI (48 Hours)

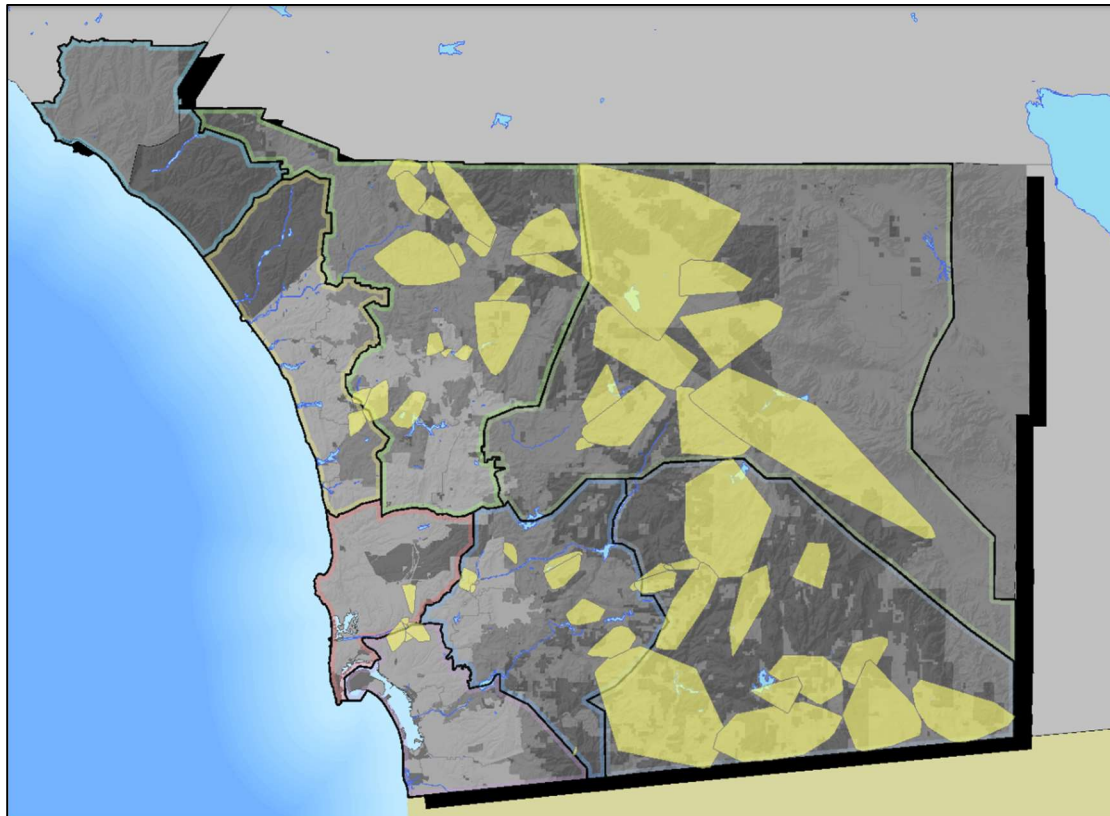
SANTA ANA WILDFIRE THREAT INDEX			
Zones	Sun/Apr 30	Mon/May 1	Tue/May 2
Zone 1: LA-Ventura			
Zone 2: Orange-Inland Empire			
Zone 3: San Diego			
Zone 4: Santa Barbara			

NO RATING	Winds are either not expected, will not contribute to significant fire activity.
MARGINAL	Upon ignition, fires may grow rapidly.
MODERATE	Upon ignition, fires will grow rapidly and will be difficult to control.
HIGH	Upon ignition, fires will grow very rapidly, will burn intensely, and will be very difficult to control.
EXTREME	Upon ignition, fires will have extreme growth, will burn very intensely, and will be uncontrollable.

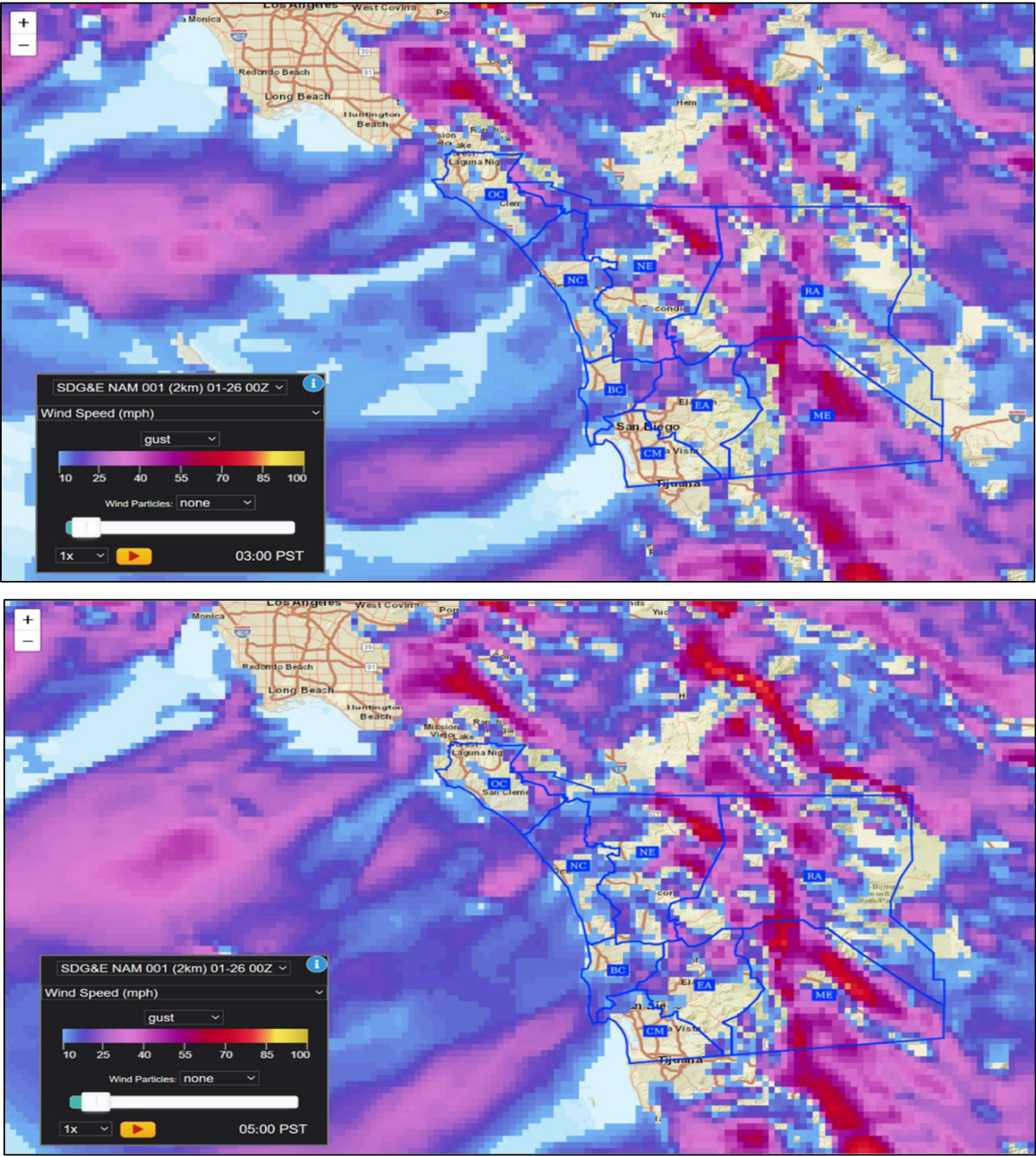
Red Flag Warning (48 Hours)



GIS Potential Areas for PSPS (48 Hours)



Wind Speeds Over SDG&E Service Territory (48 Hours)





DAY TWO (DAY OF): DE-ENERGIZATION

A Red Flag Condition is underway in San Diego County. The SDG&E EOC is currently activated at Level II. The weather forecast presented by Meteorology on May 1st is consistent with current conditions.

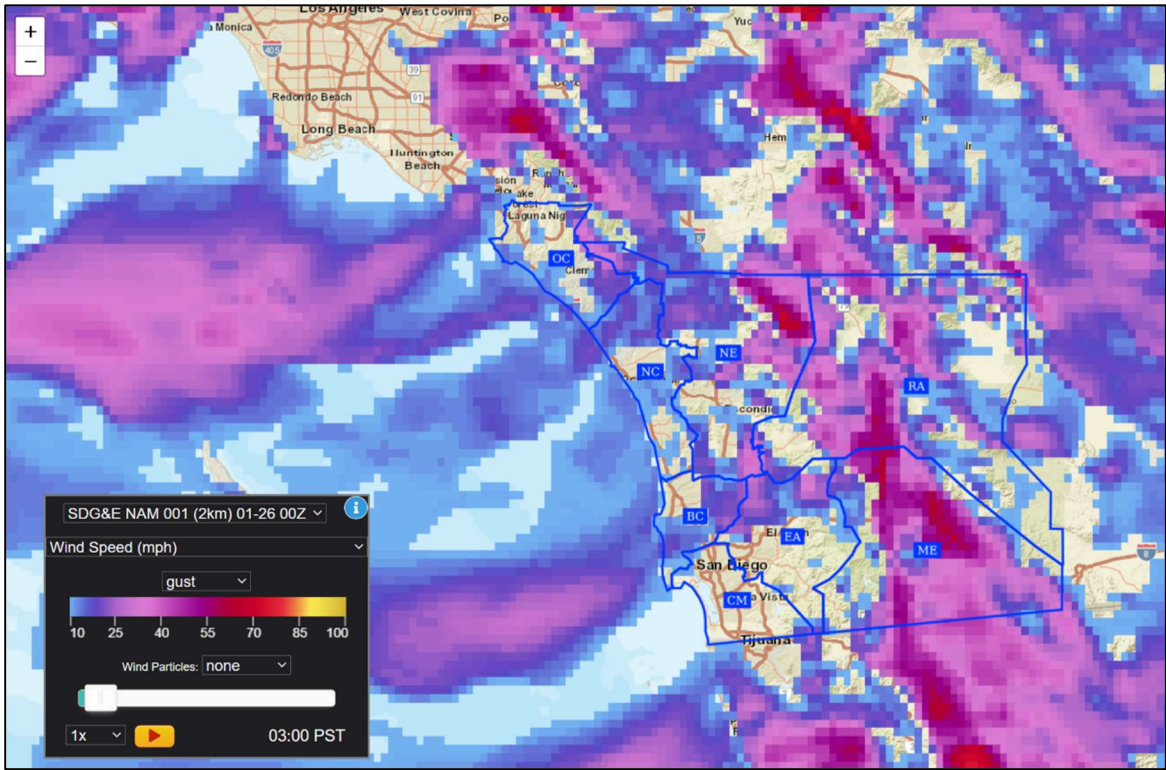
	Tue 5/02	Wed 5/03	Thu 5/04	Fri 5/05	Sat 5/06	Sun 5/07	Mon 5/08
ME	Extreme 16	Elevated 14	Elevated 14	Elevated 14	Elevated 13	Elevated 12	Normal 11
RA	Extreme 16	Elevated 14	Elevated 14	Elevated 14	Elevated 13	Elevated 12	Normal 11
EA	Extreme 16	Elevated 14	Elevated 13	Elevated 13	Elevated 13	Elevated 12	Normal 11
NE	Extreme 16	Elevated 14	Elevated 13	Elevated 13	Elevated 13	Elevated 12	Normal 11
OC	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11
NC	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
BC	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
CM	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10

Figure 7: SAWTI (Day Of)

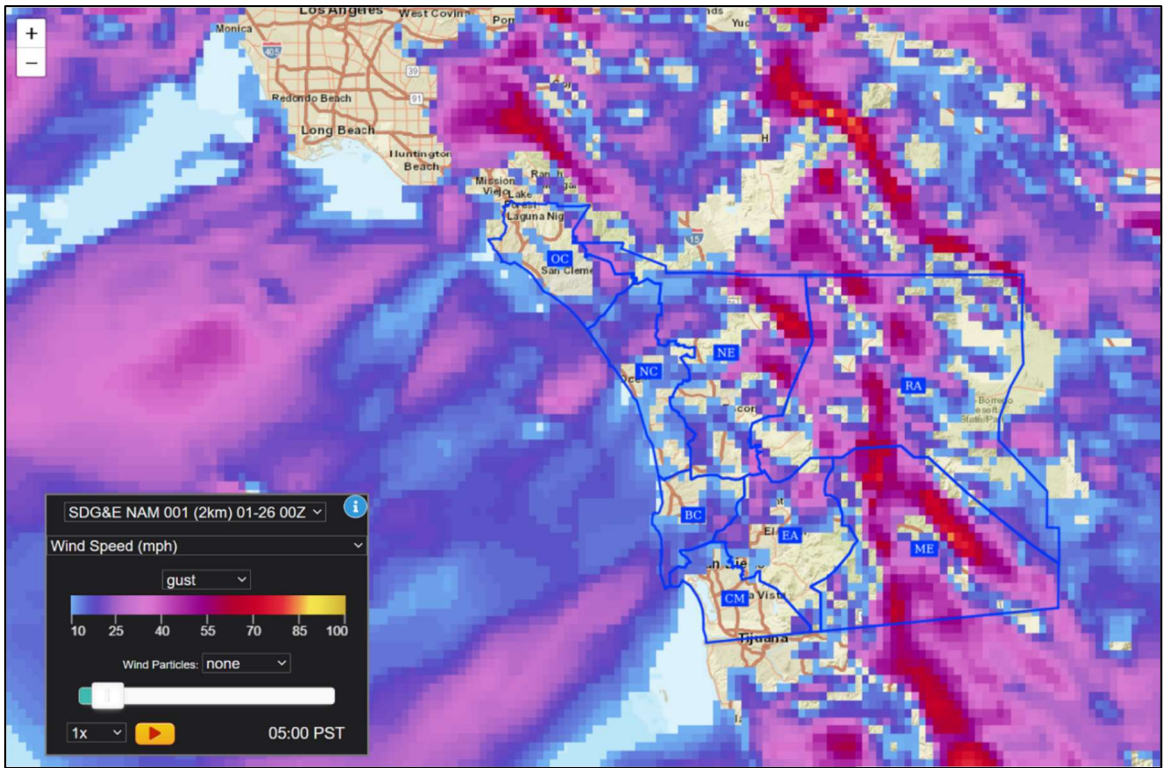
 SANTA ANA WILDFIRE THREAT INDEX 		
Zones	Tue/May 2	Wed/May 3
Zone 1: LA-Ventura		
Zone 2: Orange-Inland Empire		
Zone 3: San Diego		
Zone 4: Santa Barbara		

NO RATING	Winds are either not expected, will not contribute to significant fire activity.
MARGINAL	Upon ignition, fires may grow rapidly.
MODERATE	Upon ignition, fires will grow rapidly and will be difficult to control.
HIGH	Upon ignition, fires will grow very rapidly, will burn intensely, and will be very difficult to control.
EXTREME	Upon ignition, fires will have extreme growth, will burn very intensely, and will be uncontrollable.

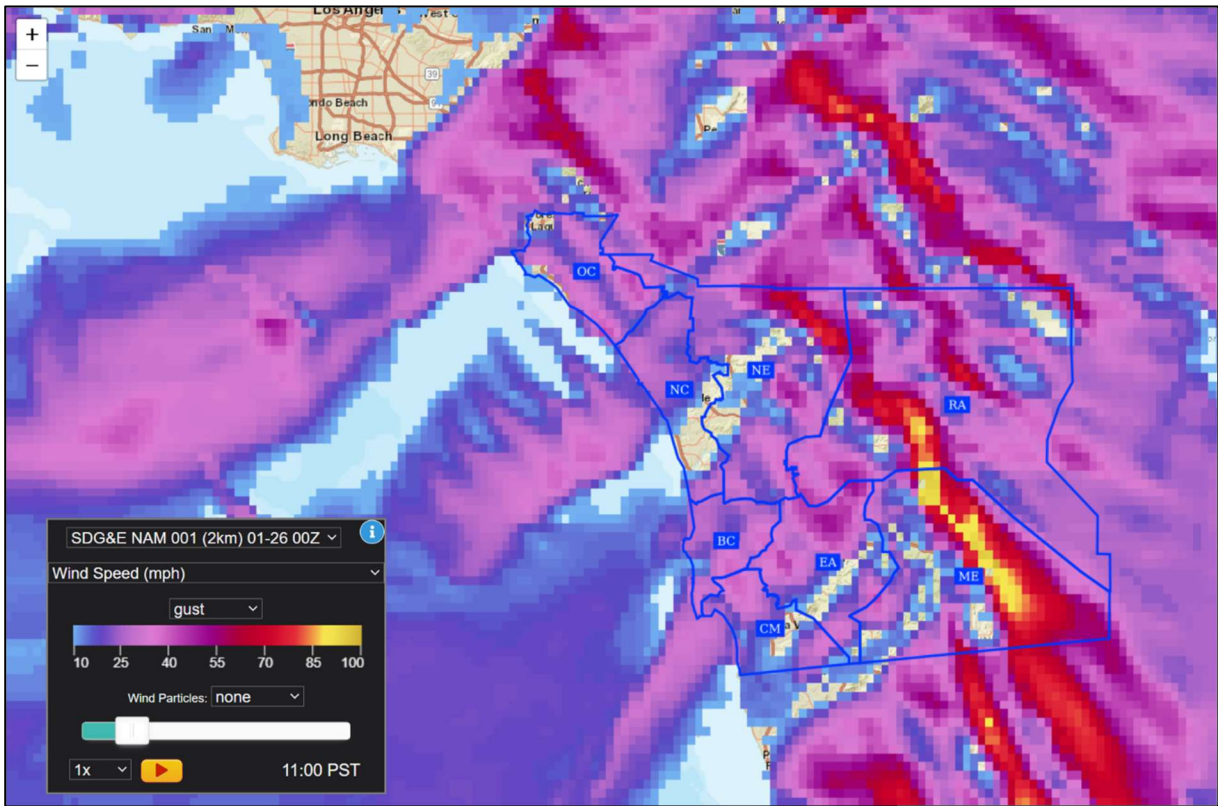
Wind Speed over SDG&E Service Territory
3AM:



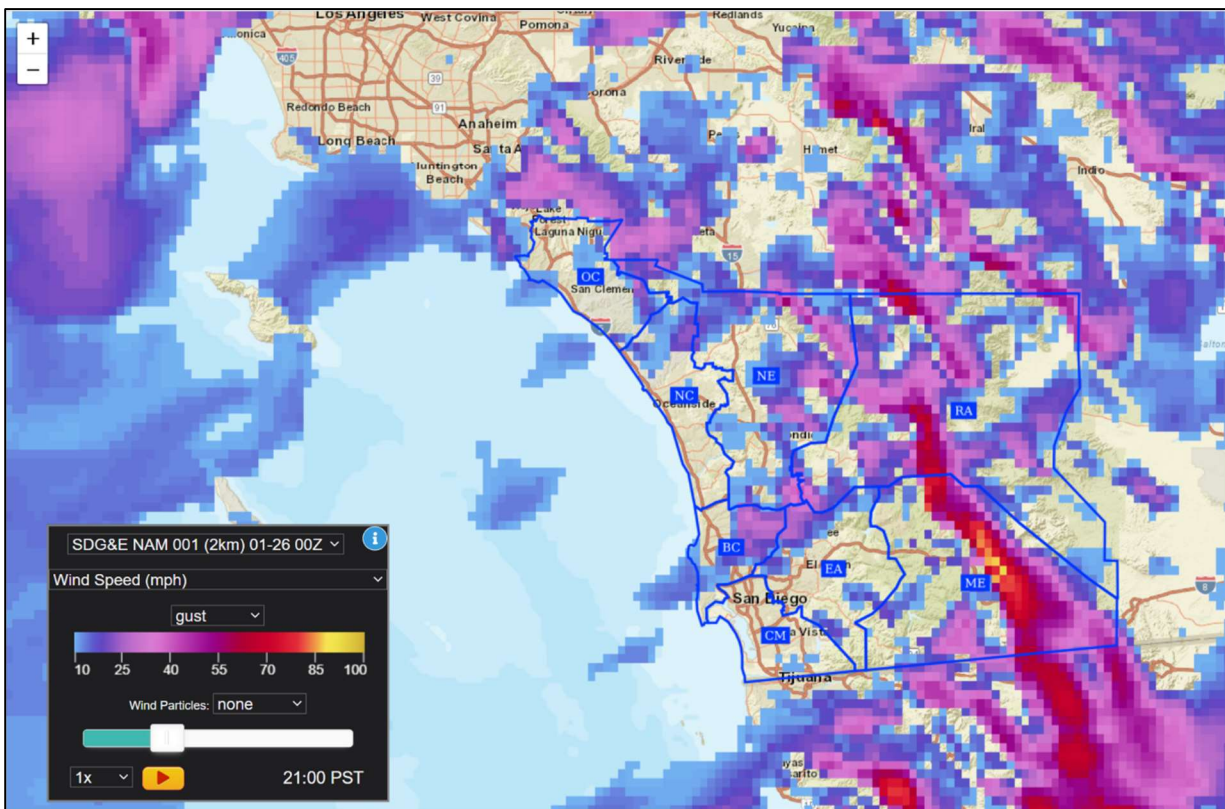
5AM:



Peak:



End:



APPENDIX D: PLAN EXCERPTS

Figure 8: SDG&E's PSPS Response Stages

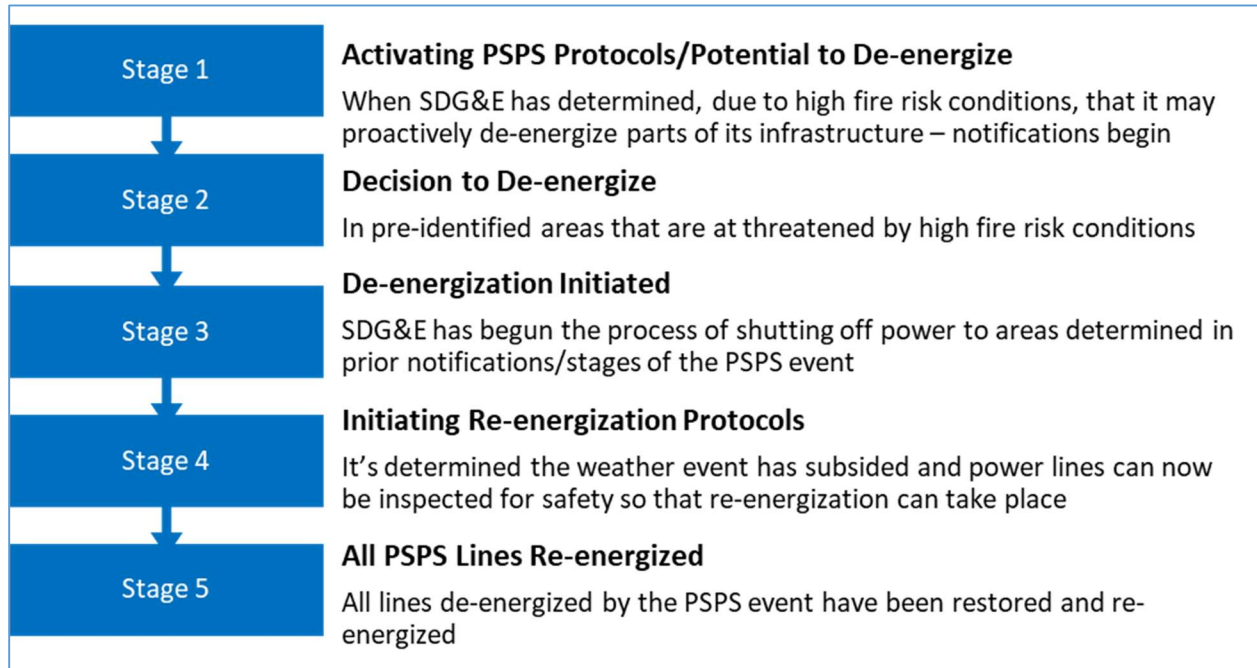


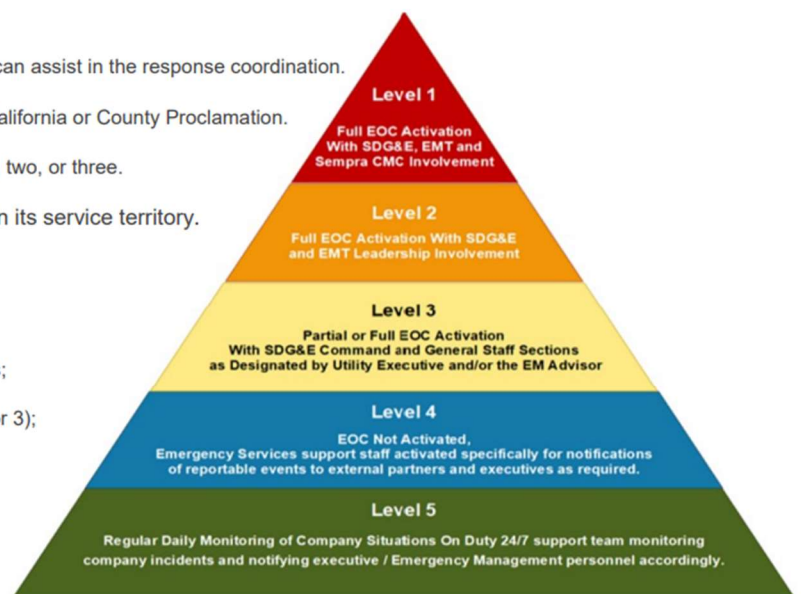
Figure 9: SDG&E Activation Levels

The EOC may be activated:

- If there is a Red Flag Warning or Fire Potential Index (FPI) rating of 14 or higher along with forecasted strong Santa Ana winds from the National Weather Service (NWS).
- Multiple business units are required to respond and the EOC activation can assist in the response coordination.
- A State-of-Emergency exists, either as proclaimed by the Governor of California or County Proclamation.
- Any wildfire, which may impact SDG&E critical infrastructure, levels one, two, or three.
- In response to any condition requiring SDG&E to perform PSPS within its service territory.

The EOC will be activated if any of the following occur:

- If there is a High Wind Warning with forecasted strong Santa Ana winds;
- A request is received from one city in the Operational Area (Level I, 2, or 3);
- Two cities in the Operational Area activate (Level I or 2);
- A request from the Deputy CAO Public Safety, CAO, or a San Diego County Supervisor (Level I or Level 2);
- Any actual event that impacts lives or property (Level I, 2, or 3).



APPENDIX E: ACRONYMS

Acronym	Term
AAM	After-Action Meeting
AAR	After-Action Report
AFN	Access and Functional Needs
AHAS	Accessible Hazard Alert System
CAISO	California Independent System Operator
Cal OES	California Governor's Office of Emergency Services
C/E	Controller / Evaluator
ConOps	Concept of Operations
CPUC	California Public Utilities Commission
ENS	Enterprise Notification System
EOC	Emergency Operations Center
EEG	Exercise Evaluation Guide
ExPlan	Exercise Plan
FSE	Full Scale Exercise
FPI	Fire Potential Index
GIS	Geographic Information System
HFTD	High Fire Threat District
IP	Improvement Plan
K-2	XXXXX
MSEL	Master Scenario Events List
NWS	National Weather Service
PIO	Public Information Officer
PSPS	Public Safety Power Shutoff
SAWTI	Santa Ana Wildfire Threat Index
SDG&E	San Diego Gas & Electric
SimCell	Simulation Cell
Sit Stat	Situation Status