

# 2022 Public Safety Power Shutoff Tabletop Exercise

## Emergency Preparedness & Response Strategy & Execution

May 17th, 2022



# Safety and Security Orientation



## Earthquake

- Drop
- Cover
- Hold



## Fire

- Exits, escape routes, evacuation plan
- [Compliant fire extinguisher](#)



## Medical Emergency

- First aid/CPR
- 911/share location
- AED



## Security

- Active shooter—get out, hide out, take out
- Use badge—don't tailgate
- Lock computer when unattended
- Report Phishing emails



## Ergonomics

- 30/30
- [Proper ergo](#)
- RSI Guard



## COVID-19

- Handwashing/masking
- CAL-OSHA regulations, local county health orders
- [Visit COVID-19 website](#)
- HR Helpline 415-973-4357



## Emergency Planning

- Update [emergency contacts](#) and [personal emergency preparedness plan](#)



## Psychological Safety

- Care for each other
- Look out for one another
- Create a safe space for all
- Welcome new ideas from everyone
- Practice self-care



On the road, off the phone.



# Roll Call



# PSPS TTX Agenda/Timeline

0900- 0930	Welcome & Introductions Player Briefing/Orientation to Exercise, Roll Call for Players
0930-1030	Module 1: Readiness Posture (Partial EOC Activation)
1030-1200	Module 2: Event Scoping, Planning and Notification
1200-1300	Lunch
1300-1430	Module 3: De-energization and Notification
1430-1530	Module 4: All Clear, Monitor, Patrol & Restore, Notification
1530-1600	Wrap-Up, Hot Wash, Closing Remarks

**CONFIDENTIAL**





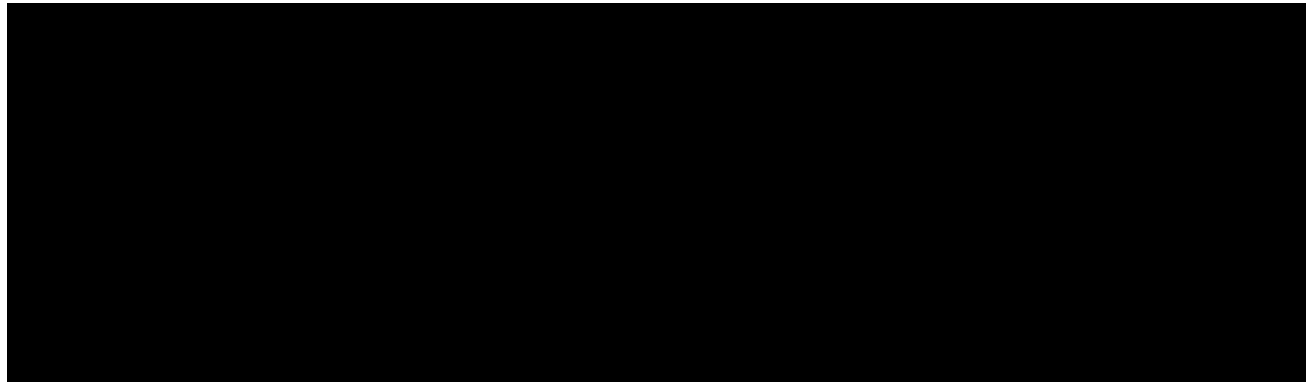
# Welcome and Introductions

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## Opening Remarks

Angie Gibson - VP Emergency Preparedness and Response

## EP&R Exercise Design Team





# MS Teams Rules of Engagement

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- Please keep your audio connection on mute when not speaking
- Ensure you unmute yourself to speak
- Ensure your computer sound is muted if you called in from a phone to prevent feedback when speaking
- Please do not interrupt when others are speaking, use the hand raise tool to get the presenter's attention
- Each Player will be given the opportunity to provide feedback on every question; open dialogue is encouraged
- Send chat messages to the entire group for ease of monitoring
- Please ensure you select "Leave" on ALL devices to exit the meeting space upon departure



# Exercise Disclaimers & Expectations

- **Disclaimers**

- This is an Emergency Preparedness **EXERCISE**.
- All dialogue, chat messages, and graphic visual aids are intended to assist Players in mitigating the **SIMULATED** PSPS Event portrayed.
- While the scenario provided is plausible, in no way is the simulation intended to portray any real event. Any such similarity is purely coincidental.

- **Expectations**

- The Exercise will accomplish the following:
  - Satisfy existing compliance requirements as defined by the California Public Utilities Commission
  - Test the ability of PG&E to prepare for, respond to, mitigate, and recover from a PSPS Event IAW the PSPS Annex to the Company Emergency Response Plan, and other relevant documents that contain PSPS-related policies and procedures.
- This Tabletop Exercise is an **open, low-stress, no-fault, and non-attribution environment**. Varying viewpoints are expected. **Decisions are not precedent-setting and may not reflect your organization's final position on an issue.** The exercise is exploratory and serves to identify issues, as well as multiple options and possible solutions.

# Observer Guidelines

- The observer role is a controlled and limited role.
- Communication between players and observers is **not** allowed during the exercise. This includes posting messages in the chat feature of MS Teams.
- Observers may contact the Exercise Design Team if they have any questions or comments.



# PSPS TTX References to Plans, Policies and Procedures

## PSPS TTX References

- Contained in MS Teams Files in this meeting invite
- Each document is hyperlinked to its live source



Emergency Preparedness and Response  
Strategy and Execution  
2022 PSPS W/ TTX  
May 17, 2022

### References to Plans, Policies and Procedures

Use and Access	Document Number	Title	Date
Company Intranet TL	PSPS-1000S	<a href="#">Public Safety Power Shut Off Standard</a>	05/19/2021
Guidance Document Library GDL Company Intranet	EMER-1106M	<a href="#">Public Safety Power Shutoff Annex (ver. 3)</a>	04/2022
Public with permissions		<a href="#">PG&amp;E PSPS Portal</a>	
Company Intranet		<a href="#">Billing &amp; Credit Operations Emergency Consumer Protection Procedures</a>	09/26/2021
Public		<a href="#">Disability Disaster Access</a>	
Guidance Document Library GDL Company Intranet	EMER-1001M	<a href="#">Company Emergency Response Plan (CERPP) (v.7)</a>	08/2021
Guidance Document Library GDL Company Intranet	EMER-1002M	<a href="#">Electric Annex (v.2)</a>	09/2021
Guidance Document Library GDL Company Intranet	EMER-1105M	<a href="#">Wildfire Annex (v.3)</a>	04/2022
Company Internet Public	NA	<a href="#">Wildfire Mitigation Plan 2022</a>	2022

# 2022 PSPS TTX Scenario

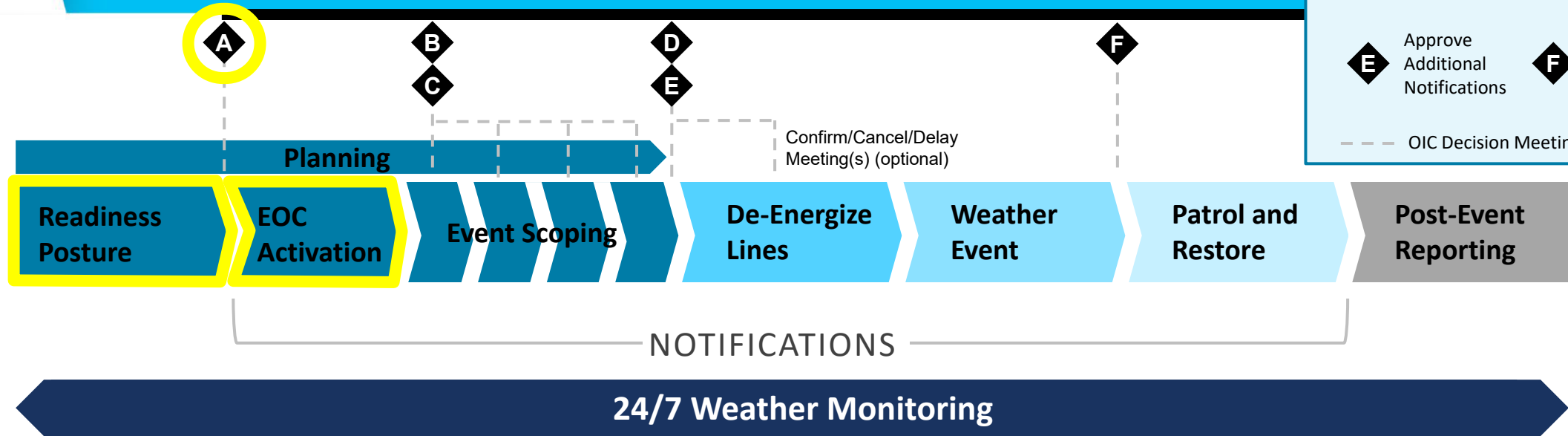
## Module 1: Readiness Posture





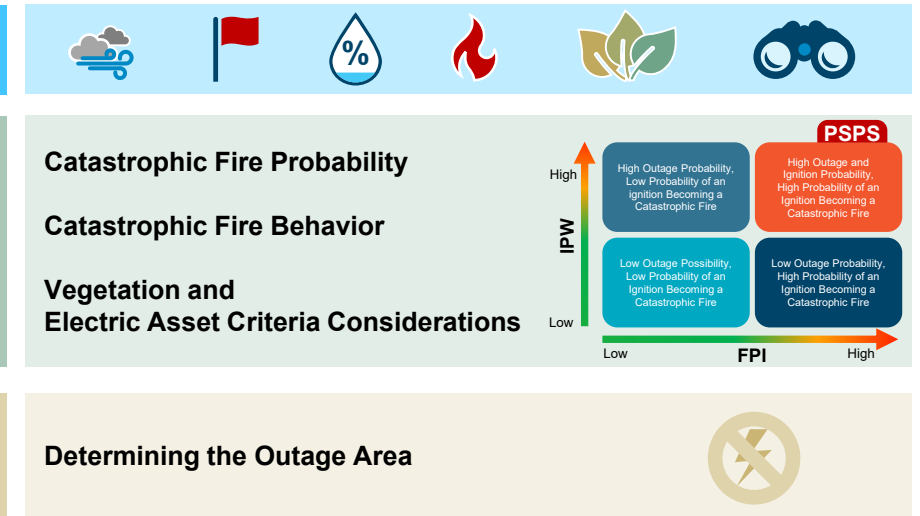
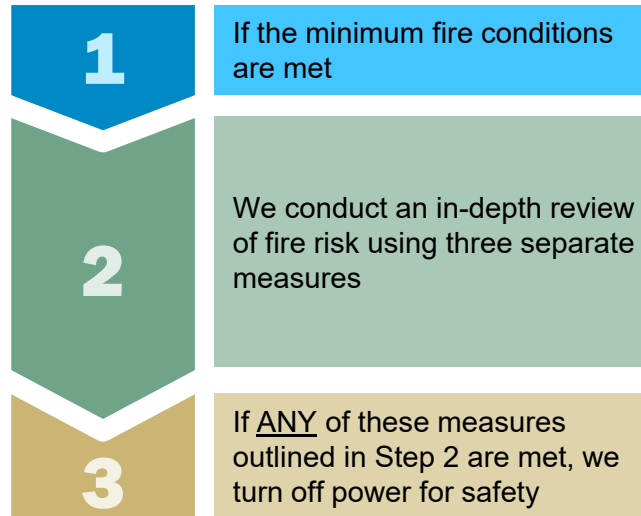
# PSPS Process – Readiness Posture and EOC Activation

- |   |  |
|---|--|
| <b>A</b> Activate EOC                     | <b>B</b> Approve Scope & Power Flow Assessment |
| <b>C</b> Approve Notifications            | <b>D</b> Approve Final Scope & De-Energization |
| <b>E</b> Approve Additional Notifications | <b>F</b> Weather All Clear                     |
- OIC Decision Meeting



When Meteorology identifies developing weather conditions combined with other factors that could lead to catastrophic wildfires the EOC Commander will bring together representatives from select sections to meet, track developing conditions, initiate readiness posture, and when warranted make a recommendation to the OIC to activate the EOC for a potential PSPS event. Readiness Posture is not a requirement for the OIC to activate the EOC and may not occur in all PSPS events.

The OIC with input from EOC Commander and representatives from Meteorology, EP&R, and the WSOC will decide if forecasted conditions indicate a credible threat to warrant activating the EOC and all EOC team personnel. Once the decision is made, standard procedures outlined in the CERP are followed to activate the EOC.



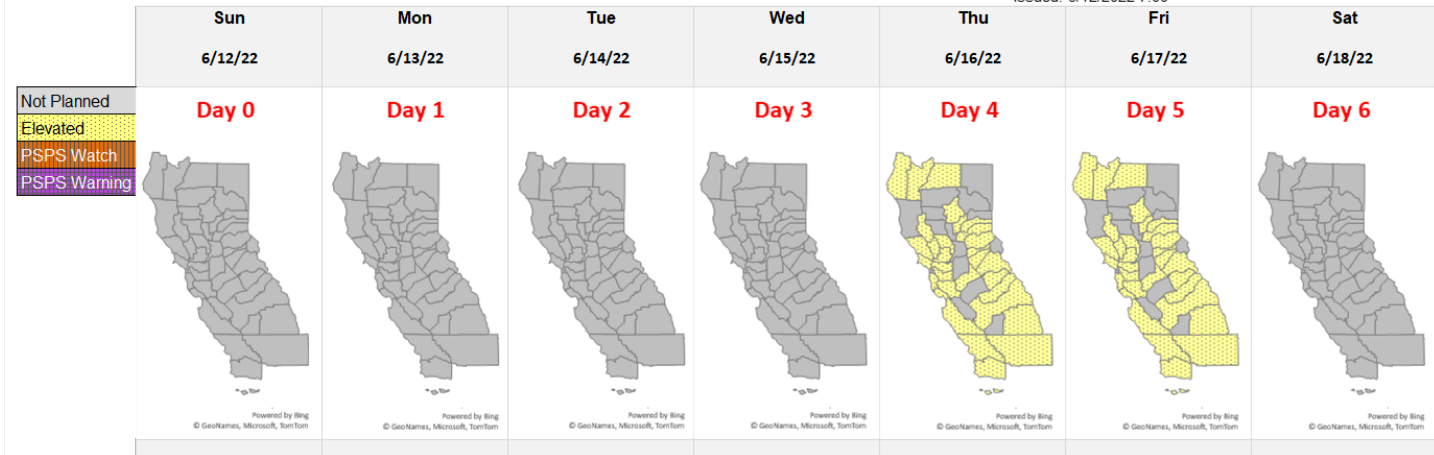


# 2022 PSPS TTX Exercise

- Dry, offshore wind event is expected to develop Thursday, June 16 through Friday, June 17
- Winds increasing Thursday morning across Northern Region, then spreading south across the remainder of the territory during the day
- Winds are expected to reach peak intensity Thursday afternoon through Friday morning
- Northeasterly/Offshore Winds
  - 25 – 35 mph
  - Gusts 45 – 55+ mph, primarily over elevated terrain

## PG&E 7 Day Public Safety Power Shutoff (PSPS) Potential

Issued: 6/12/2022 7:00



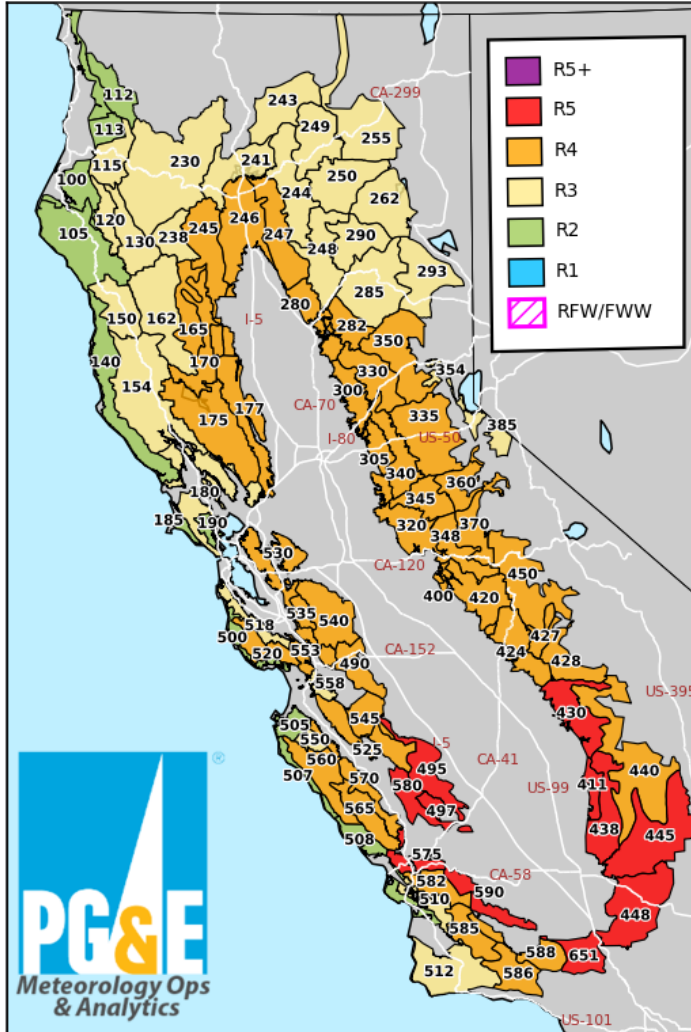
This forecast has been customized solely for PG&E utility operations and should not be used for any other purpose or by any other entity. This tool provides an outlook of the potential for a Public Safety Power Shutoff (PSPS) event in the next 7 days. It is not a fire danger forecast. PSPS decisions are made at more granular levels than provided here; thus, only a portion of a county may experience a PSPS event.

Day 0 Sun 6/12/2022			Day 1 Mon 6/13/2022			Day 2 Tue 6/14/2022			Day 3 Wed 6/15/2022			Day 4 Thu 6/16/2022			Day 5 Fri 6/17/2022			Day 6 Sat 6/18/2022		
Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning	Elevated	PSPS Watch	PSPS Warning
												Humboldt			Humboldt					
												Trinity			Trinity					
												Shasta			Shasta					
												Marin			Marin					
												Sonoma			Sonoma					
												Lake			Lake					
												Napa			Napa					
												Solano			Solano					
												Yolo			Yolo					
												Butte			Butte					
												Nevada			Nevada					
												Placer			Placer					
												Yuba			Yuba					
												San Mateo			San Mateo					
												Santa Clara			Santa Clara					
												Santa Cruz			Santa Cruz					
												Stanislaus			Stanislaus					
												Alameda			Alameda					
												Contra Costa			Contra Costa					
												Amador			Amador					
												Calaveras			Calaveras					
												El Dorado			El Dorado					
												Mariposa			Mariposa					
												Tuolumne			Tuolumne					
												Monterey			Monterey					
												Fresno			Fresno					
												Madera			Madera					
												Tulare			Tulare					
												Kern			Kern					
												San Luis Obispo			San Luis Obispo					
												Santa Barbara			Santa Barbara					

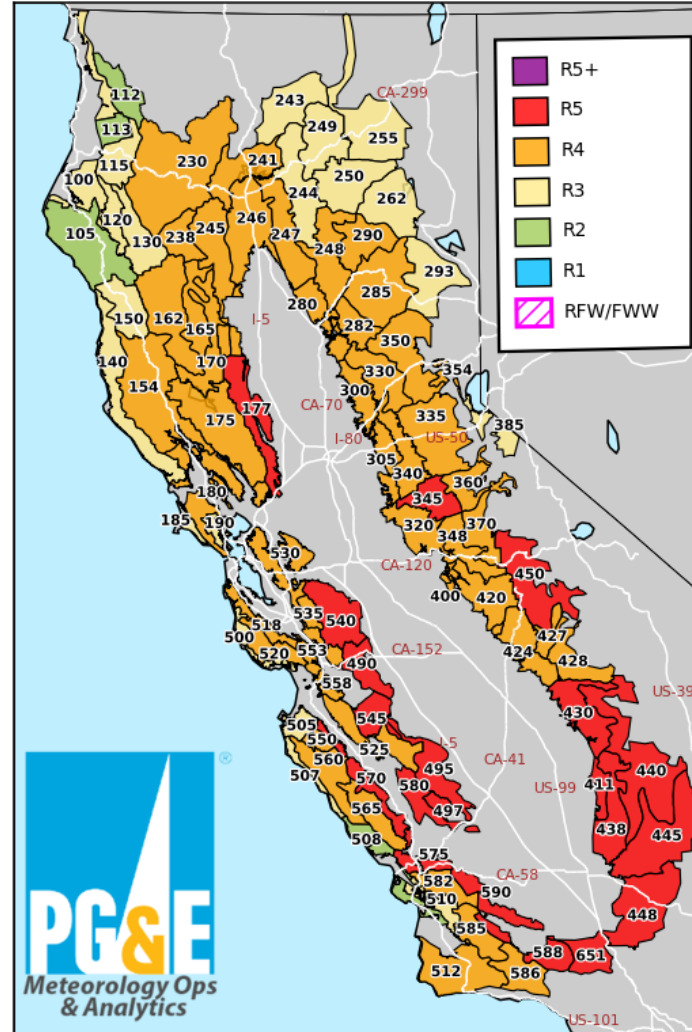


# 2022 PSPS TTX Exercise

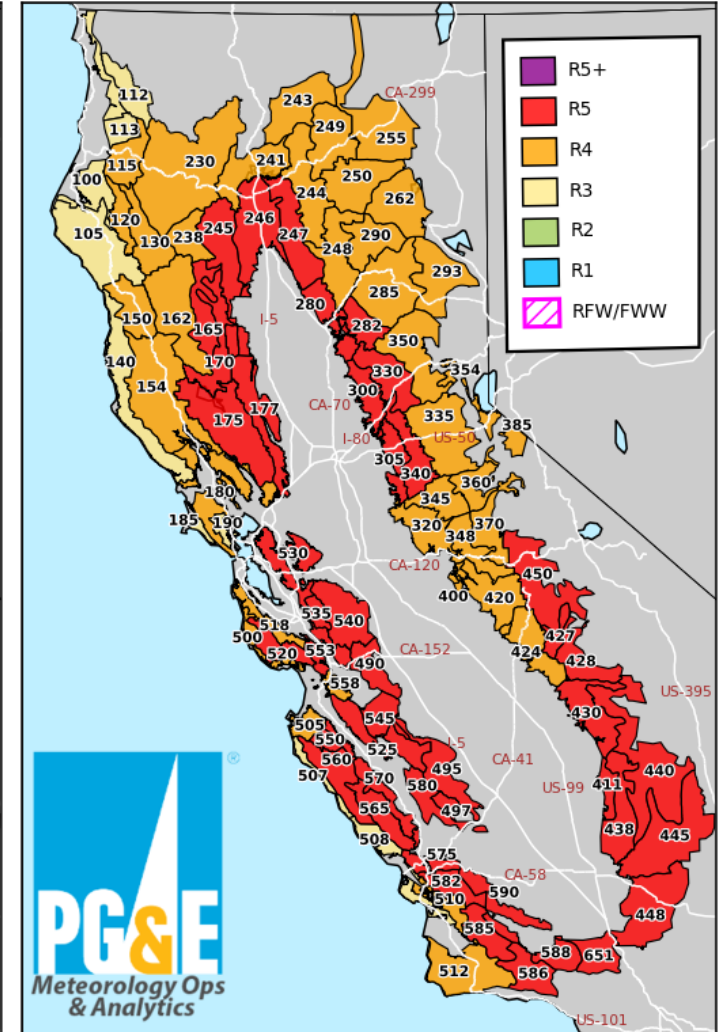
**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/13/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/14/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/15/2022



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# 2022 PSPS TTX Exercise

## Predictive Services Forecast



### North Ops 7-day Significant Fire Potential Outlook

Issued by North Ops Predictive Services, Redding CA

Published: Sunday, June 12, 2022

Predictive Service Area (PSA)	Sun 12 Jun	Mon 13 Jun	Tue 14 Jun	Wed 15 Jun	Thu 16 Jun	Fri 17 Jun	Sat 18 Jun	Sun 19 Jun
NC01 - North Coast								
NC02 - Mid Coast to Mendocino					W	W		
NC03A - Bay Marine					W	W		
NC03B - Diablo-Santa Cruz Mtns					W	W		
NC04 - Northwestern Mtn					W	W		
NC05 - Sac Valley/Foothills					W	W		
NC06 - NE California								
NC07 - Northern Sierras					W	W		
NC08 - Far Eastside								



# 2022 PSPS TTX Exercise

## Predictive Services Forecast



**Predictive  
Services**

National Predictive Services Forecast  
California South Ops

Published: Sunday, June 12, 2022

Predictive Service Area (PSA)	Sun 12 Jun	Mon 13 Jun	Tue 14 Jun	Wed 15 Jun	Thu 16 Jun	Fri 17 Jun	Sat 18 Jun	Sun 19 Jun
SC01 - Eastern Sierra								
SC02 - Central Sierra					W	W		
SC03 - Southern Sierra					W	W		
SC04 - Sierra Foothills					W	W		
SC05 - Central Valley					W	W		
SC06 - Central Coast Interior					W	W		
SC07 - Central Coast					W	W		
SC08 - South Coast					W	W		
SC09 - Western Mountains					W	W		
SC10 - Eastern Mountains					W	W		
SC11 - Southern Mountains						W		
SC12 - Lower Deserts								
SC13 - Eastern Deserts								
SC14 - Central Mojave								
SC15 - Upper Deserts								
SC16 - Northern Deserts								

### Legend:

#### Fuel Dryness

- Moist - Little no risk for large fires.
- Dry - Low risk of large fires in the absence of a "High Risk" event.
- Very Dry - Low/Moderate risk of large fires in the absence of a "High Risk" event.
- Data Unavailable.

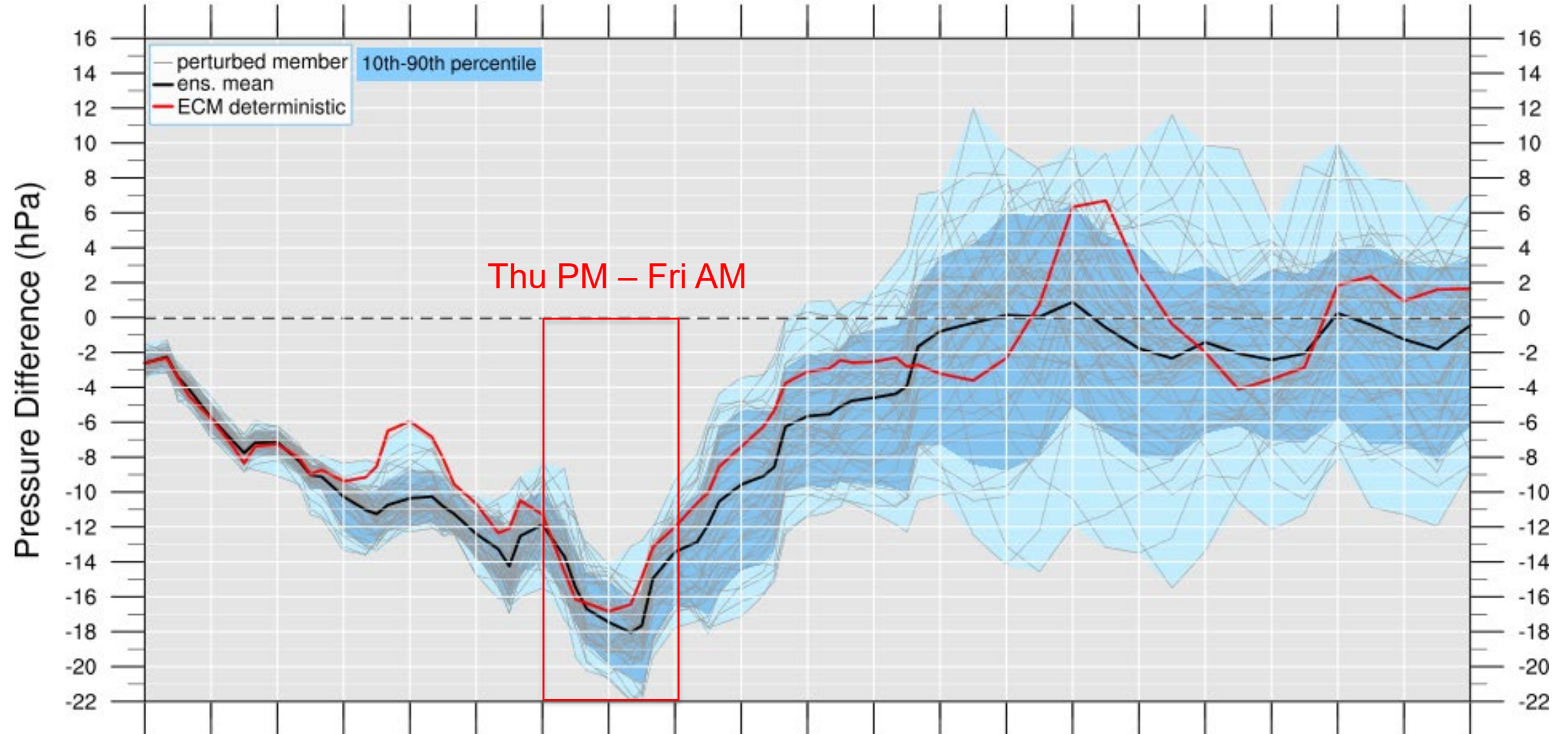
#### High Risk Days

- At least a 20% chance of a "Large Fire" due to a combination of either "Dry" or "Very Dry" Fuel Dryness and an Ignition Trigger. High Risk Days will include the symbol indicating the type of event.
- At least a 20% chance of a new "Large Fire" or significant growth on existing fires due to a combination of either "Dry" or "Very Dry" Fuel Dryness and a Critical Burn Environment. High Risk Days will include the symbol indicating the type of event.



# 2022 PSPS TTX Exercise

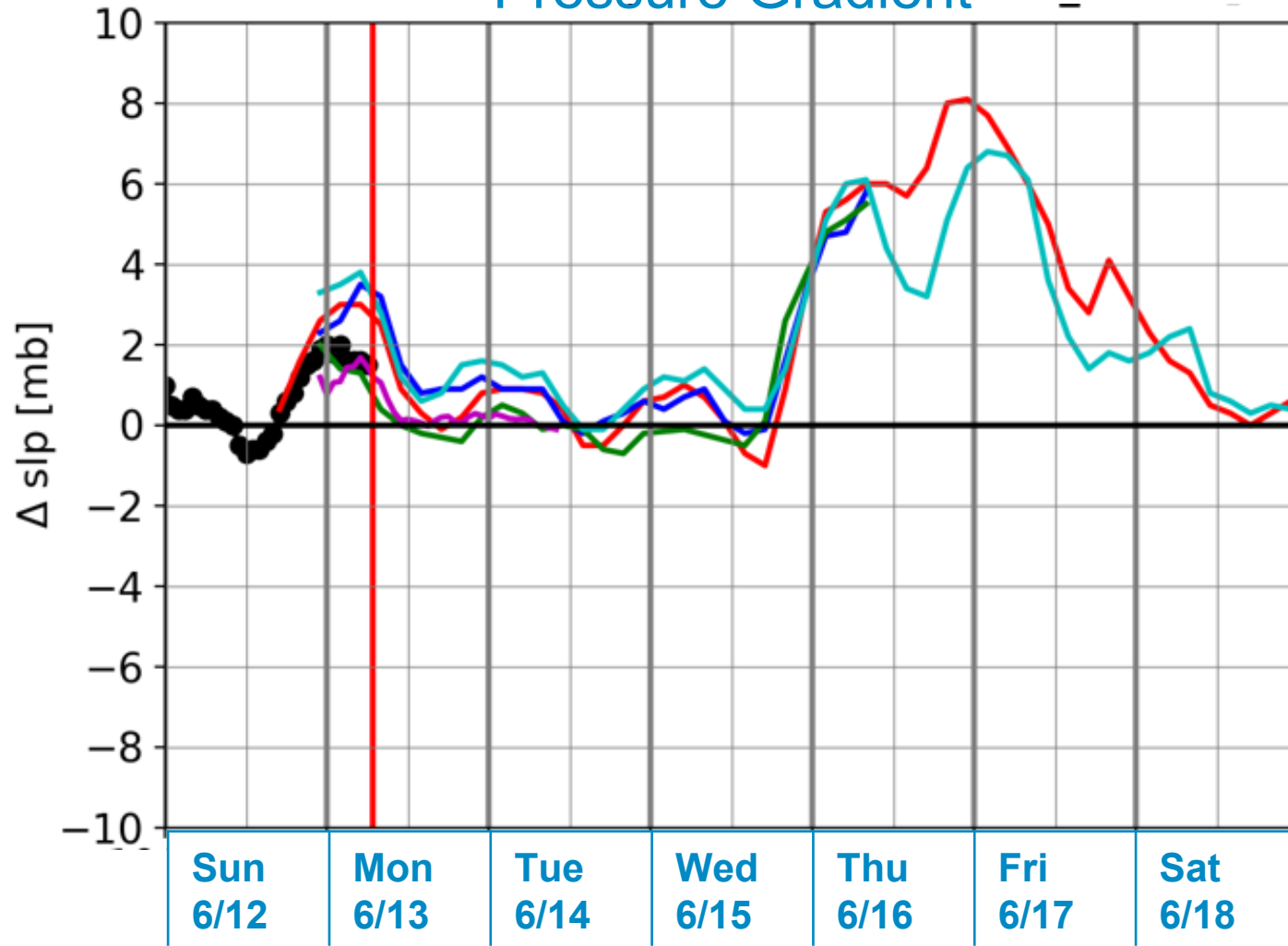
SFO-







# Pressure Gradient

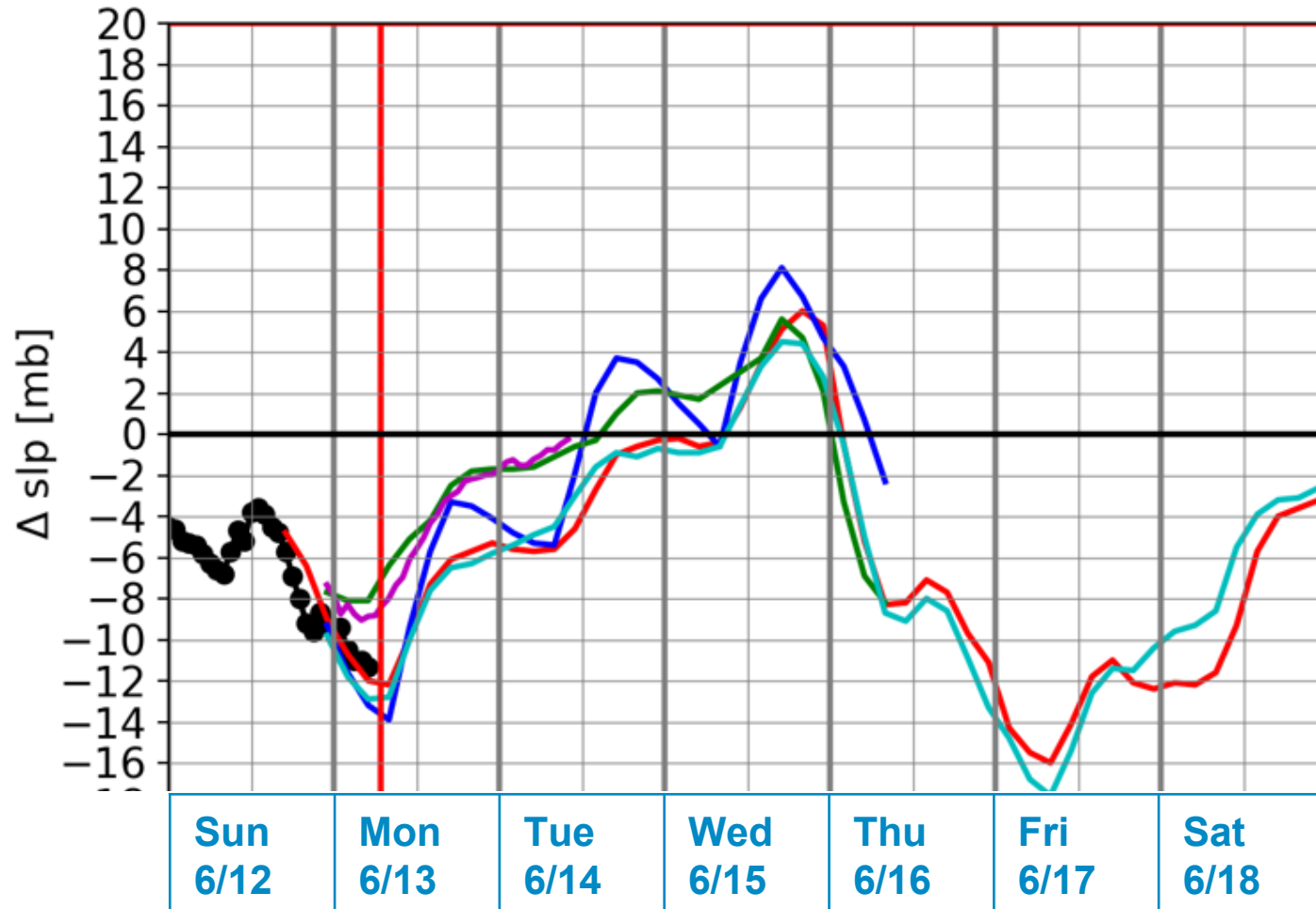




# 2022 PSPS TTX Exercise

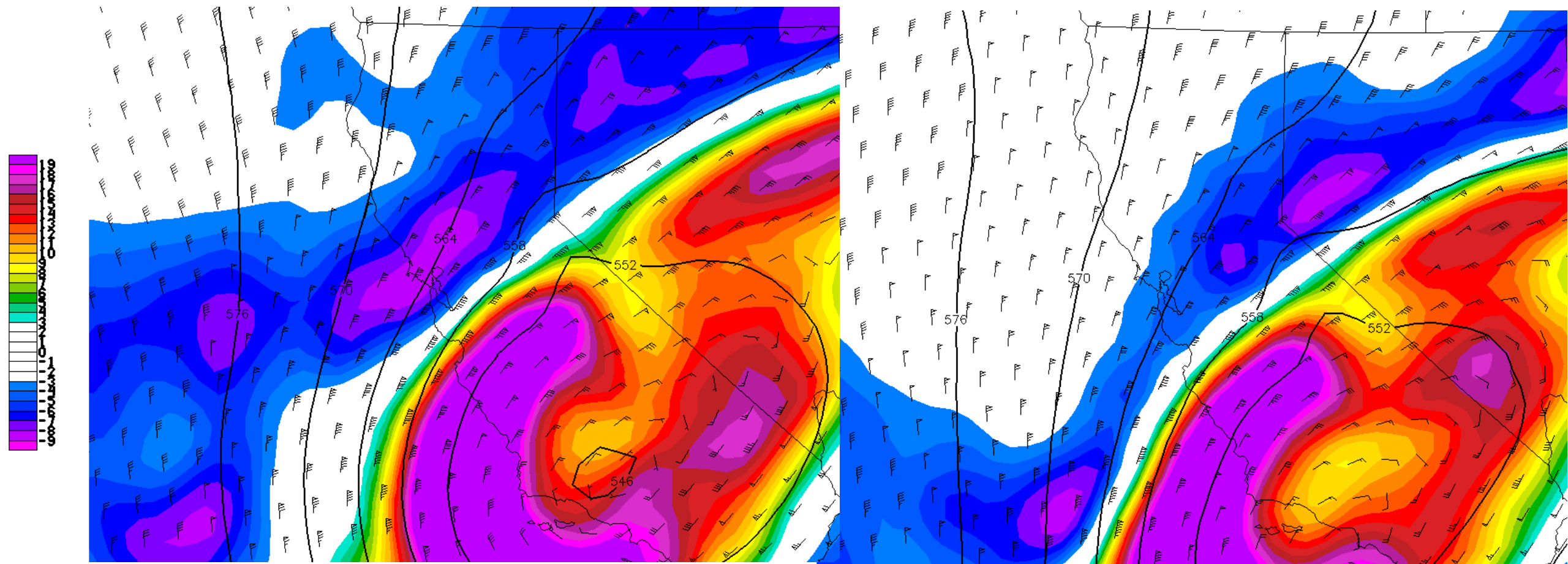
## SAC-WMC

### Pressure Gradient



# 2022 PSPS TTX Exercise

## 500mb Vorticity



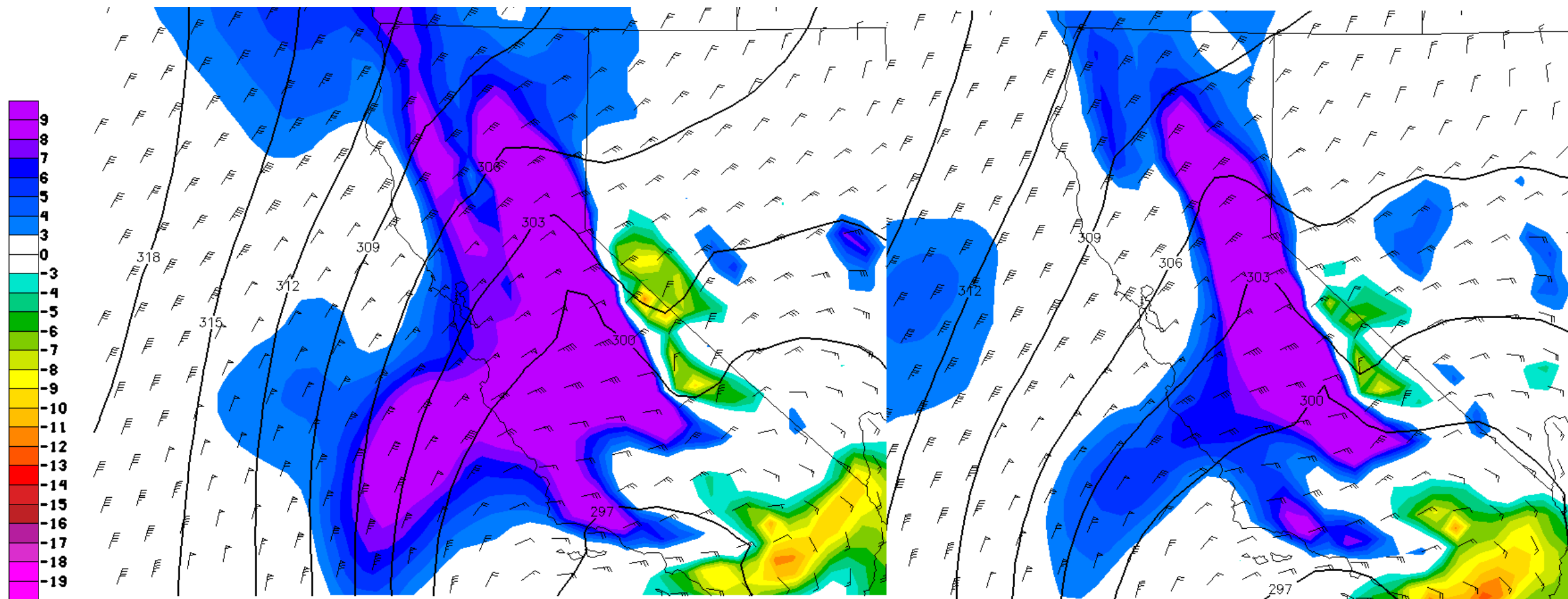
Thursday Evening

Friday Morning



# 2022 PSPS TTX Exercise

## 700mb Omega

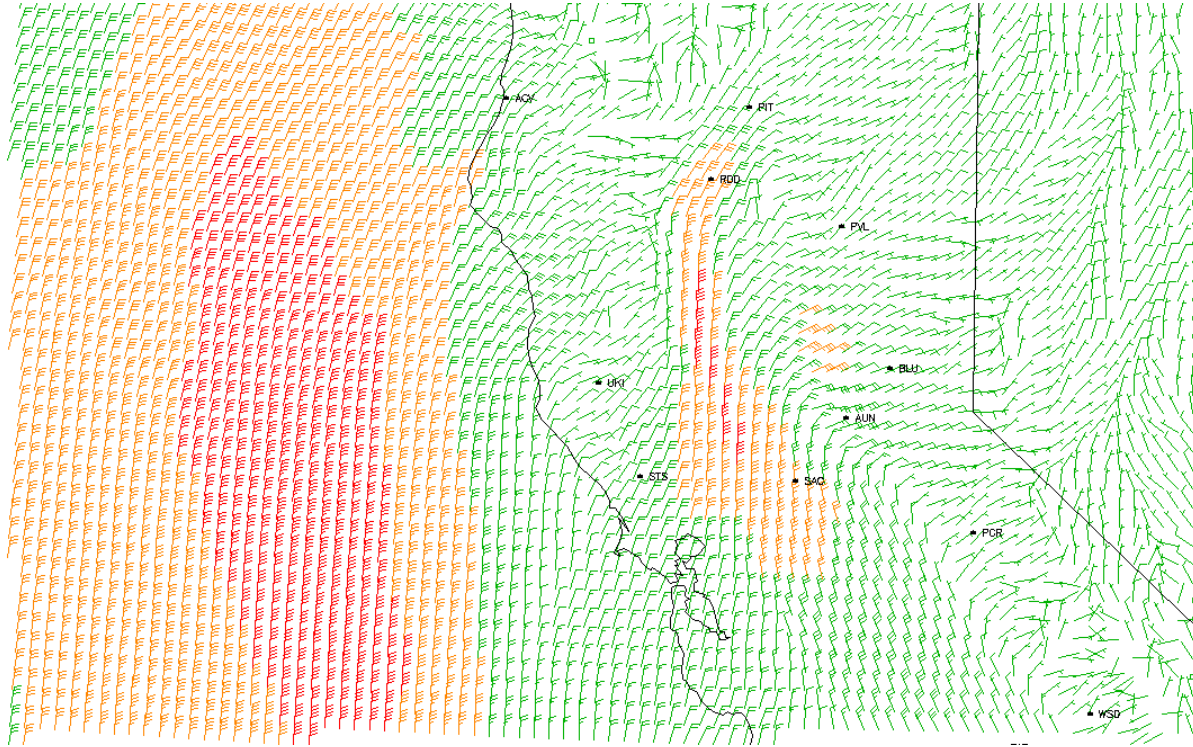


Thursday Evening

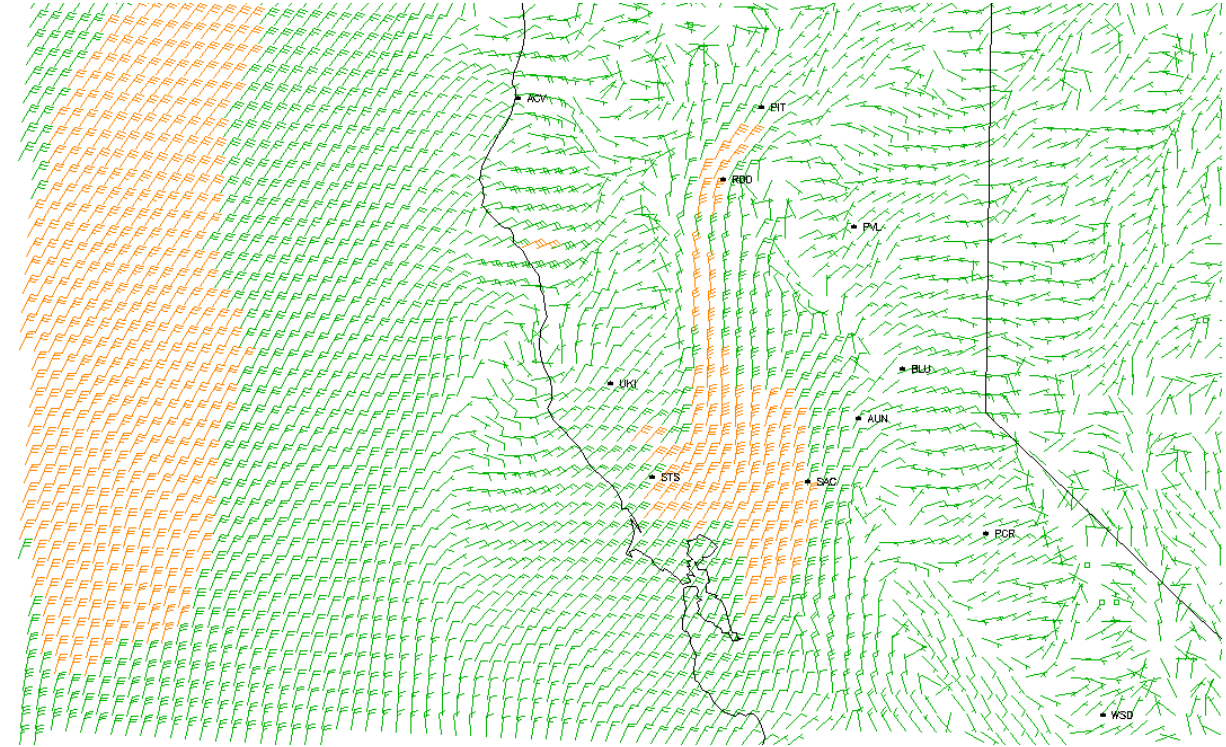
Friday Morning



## ECM 925mb Winds



Thursday  
Night



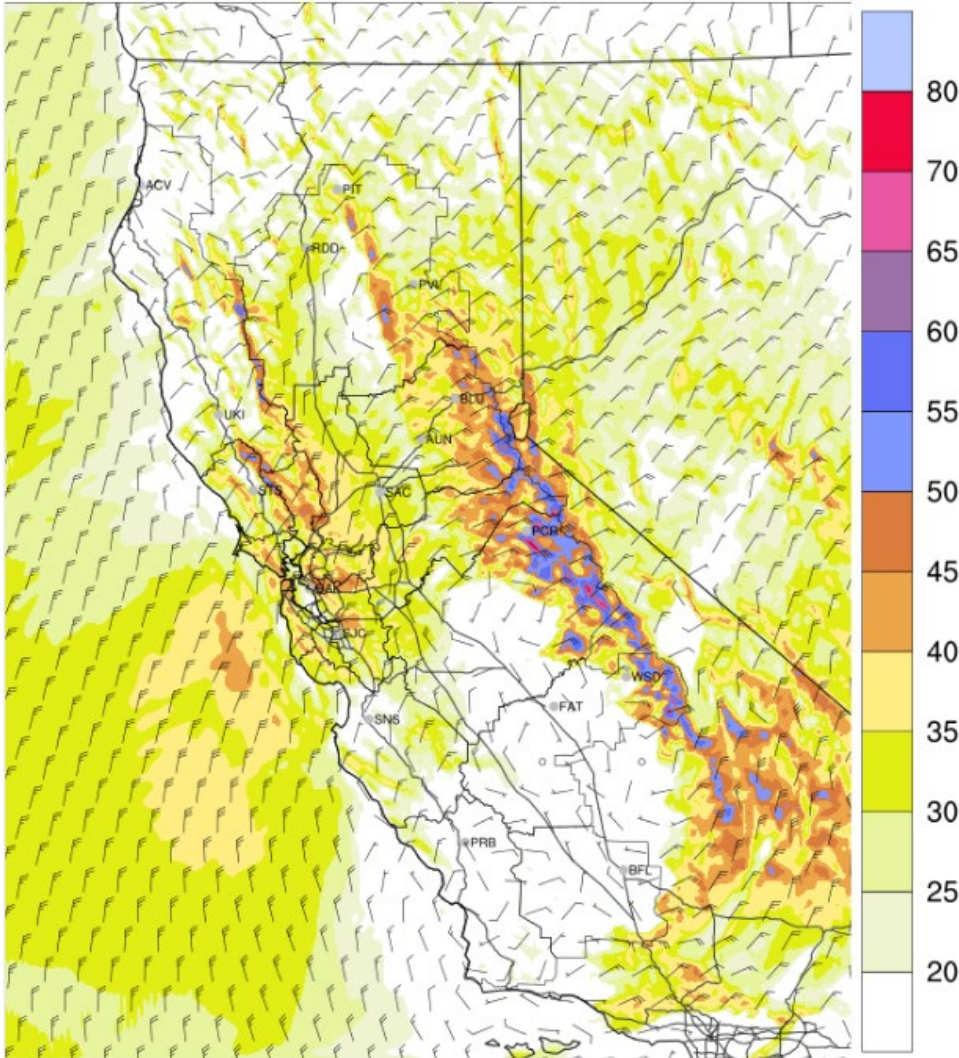
Friday  
Morning



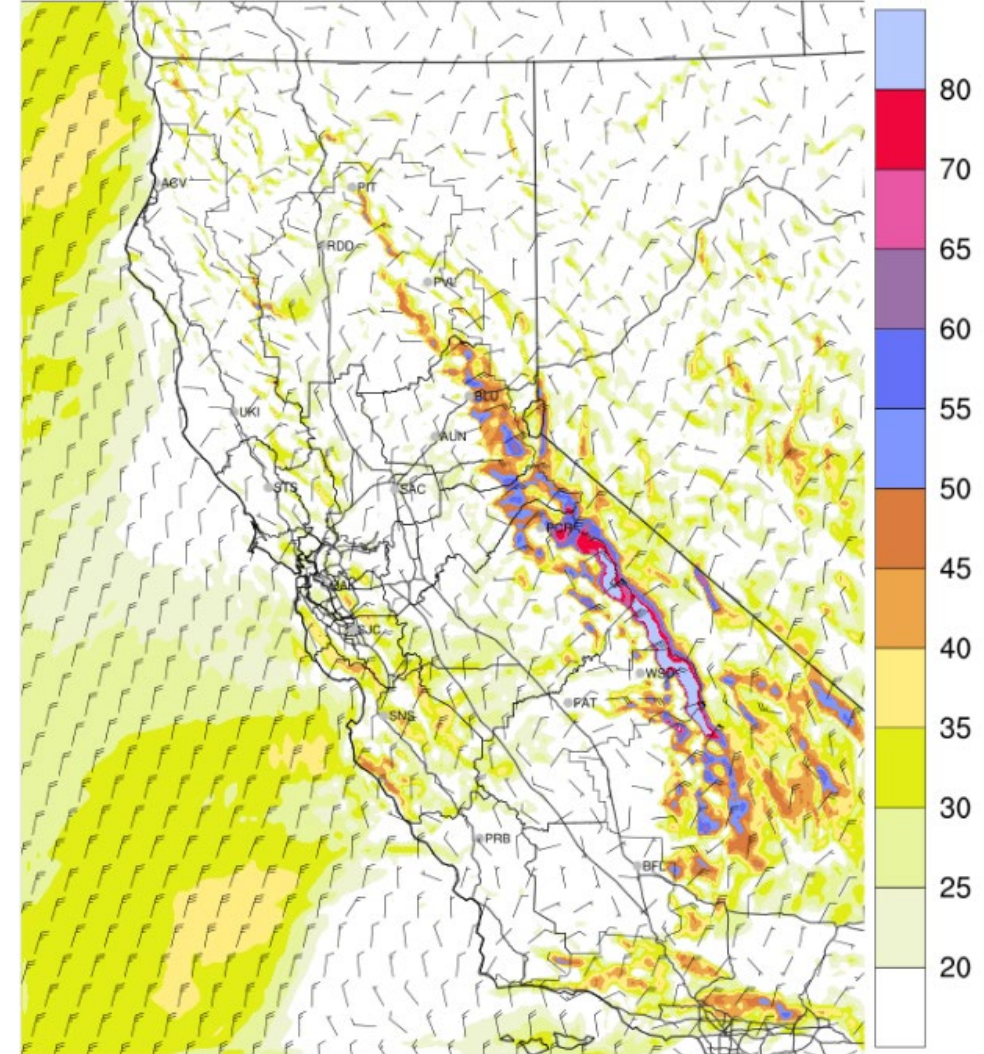


# 2022 PSPS TTX Exercise

## Forecasted Winds



Thursday Evening



Friday Morning





# 2022 PSPS TTX Exercise

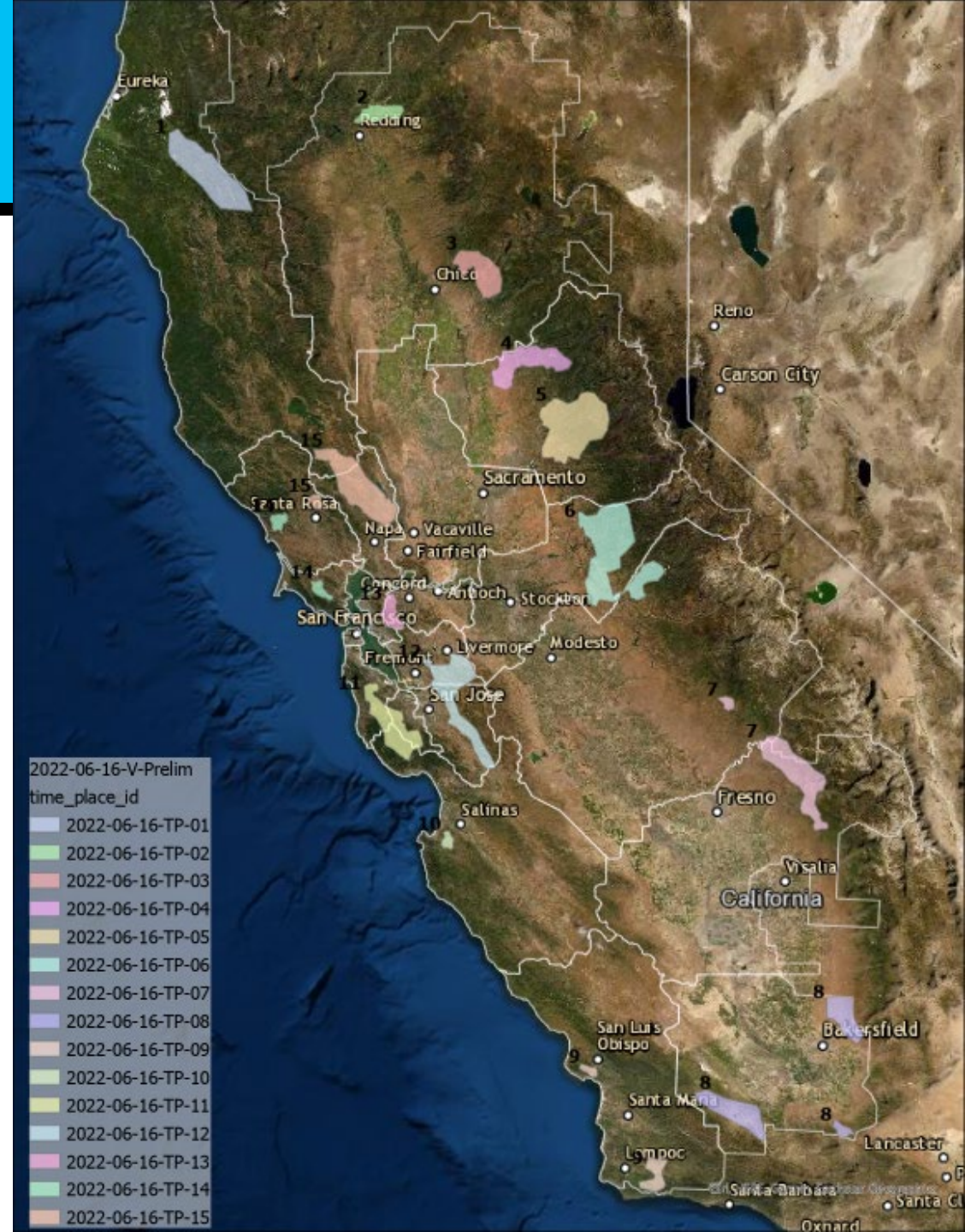
## Preliminary Scope

### Start

1200-1600 – Thursday, June 16

### End

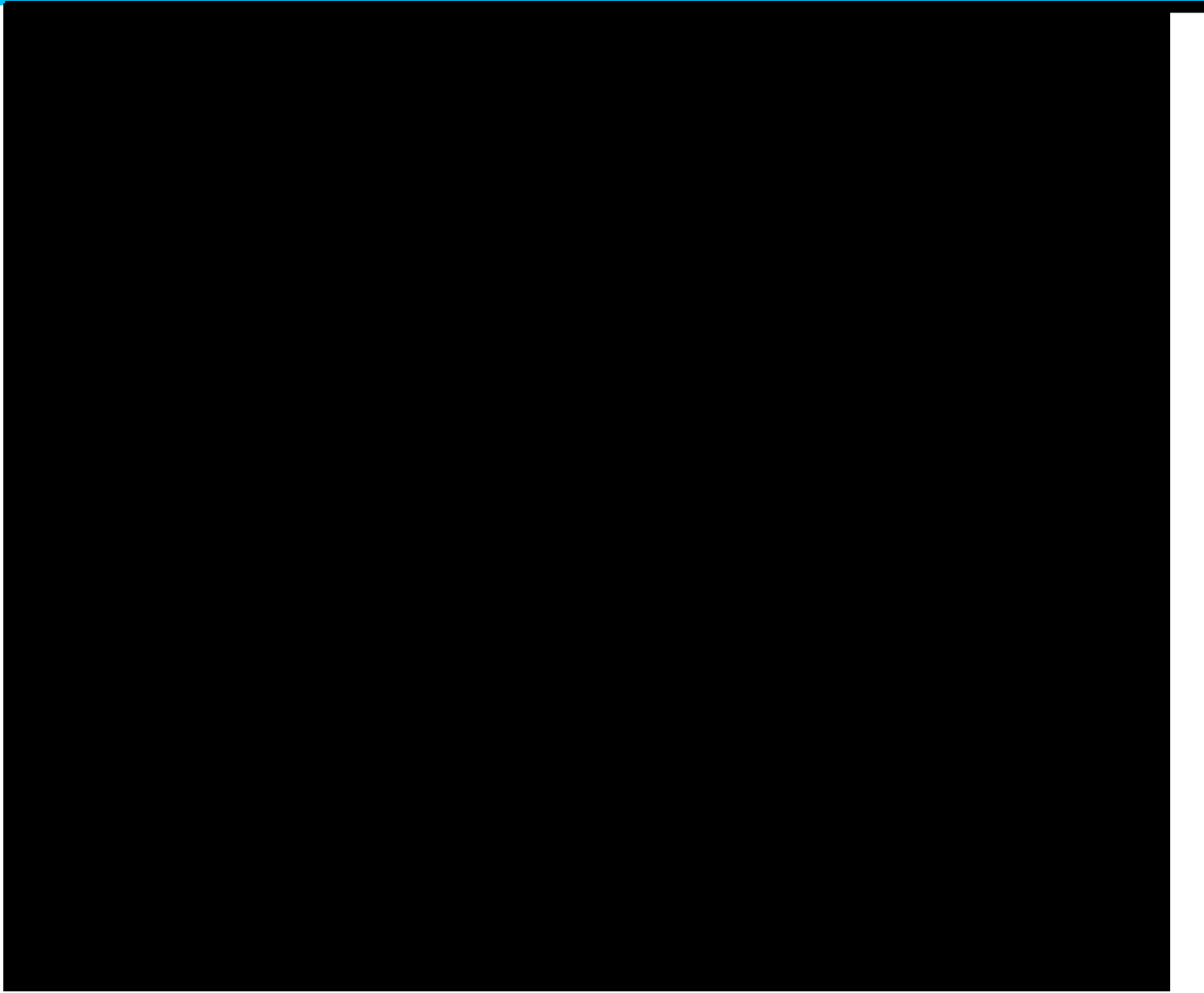
1000-1200 – Friday, June 17





# 2022 PSPS TTX Exercise

Extended  
DSO SOPP  
Forecast





# M1 Facilitated Discussion: Readiness Posture

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Q. What are the meteorological criteria that triggered the activation of Readiness Posture for this PSPS Event? How are these weather patterns monitored in the HAWC?

Q. How do initial conditions reports flow from Meteorology to the EOC Commander in order to make decisions regarding Readiness Posture?

Q. Please explain how the Customer Strategy Officer would respond to a request from a critical infrastructure customer who is asking whether this potential PSPS event will impact their organization.



# M1 Facilitated Discussion: Readiness Posture

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Q. EOC Commander, please outline your priorities and the Essential Elements of Information required to inform your decision-making process. At what point do you engage the Officer-In-Charge? How has this process changed since 2021?

Q: What inputs do you need to prepare an A-01 playbook and what do you do once the plan is created in Foundry?

Q. How are the Emergency Centers (EDEC, ETEC, STOEC, GCC, DCC, REC, OEC) notified of a potential activation? When does their activation take place in comparison to the Main EOC? How has this process changed compared to past years?



# M1 Facilitated Discussion: Readiness Posture

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Q. What is the role of the three pre-identified Electric Incident Management Teams?

Q. As EOC Plans Chief and Deputy PSPS Plans Chief, what are the main objectives you need to achieve during Readiness Posture? What is the delineation of roles between the Deputy Plans Chief and PSPS Deputy Plans Chief?

Q: Tell us about the role of the EOC Coordinator during Readiness Posture. Also, please describe the EOC Activation notification process.

# 2022 PSPS TTX Scenario

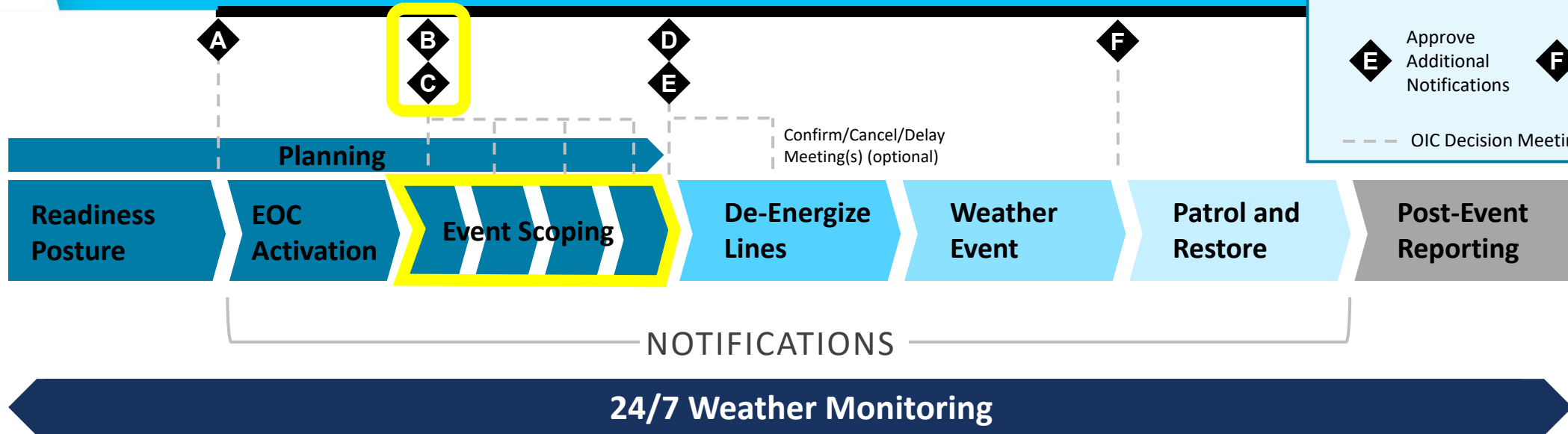
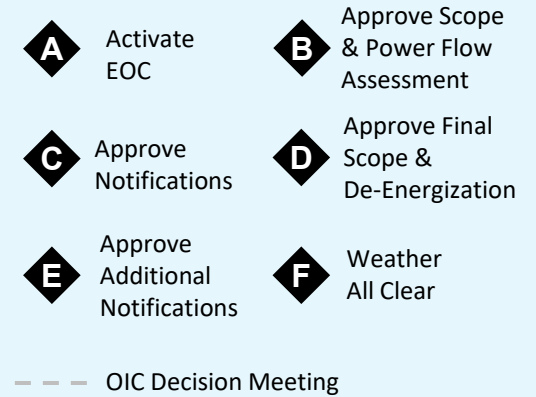
## Module 2: Event Scoping, Planning and Notifications







# PSPS Process – Event Scoping



Event scoping is an iterative process to determine where the wildfire risk exists as weather conditions change. This includes the impacts from various Dx and Tx lines. The output of the scoping process is a list circuits and devices recommended for de-energization called playbooks. The playbooks created are updated to match the weather changes as they occur. Specific naming conventions for playbooks indicate the maturity of the event scoping process. In addition to the Playbooks, the scoping process produces notification files which are lists of customers who will be impacted and need to be notified.



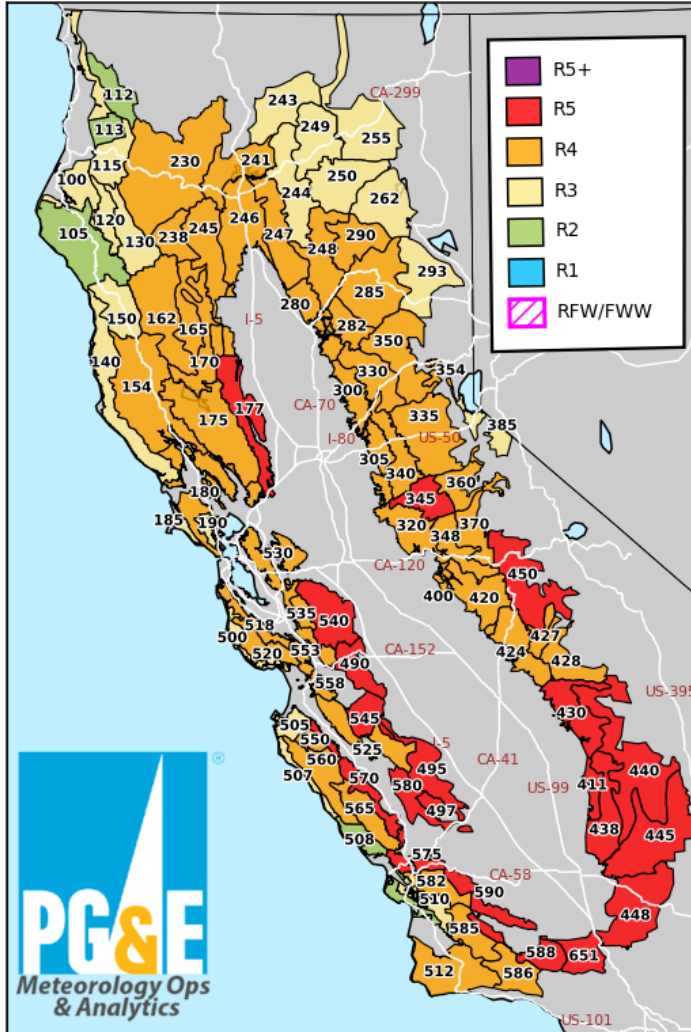
In **Decision B** and **C**, the OIC reviews and approves the initial or updated scope based on the forecasted weather footprint. **Decision B** also initiates further study of approved Tx lines called the Power Flow Assessment which ensures grid stability. **Decision C** authorizes “Watch” notifications for state, local, and tribal partners & customers impacted by the scope of the event.



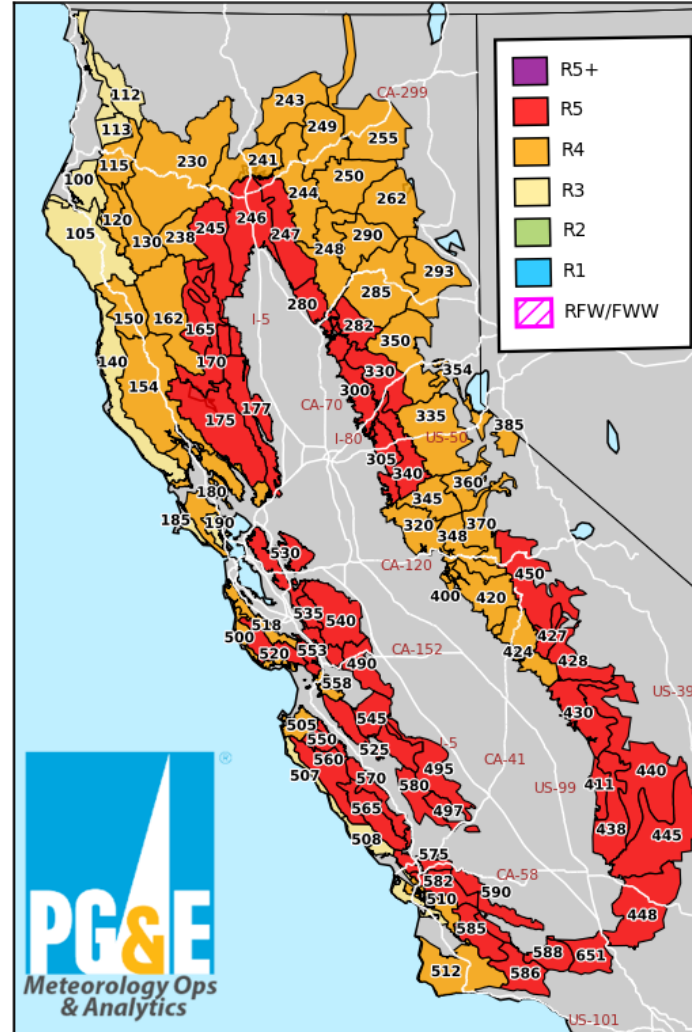
Issued: 6/14/2022 7:00

# 2022 PSPS TTX Exercise

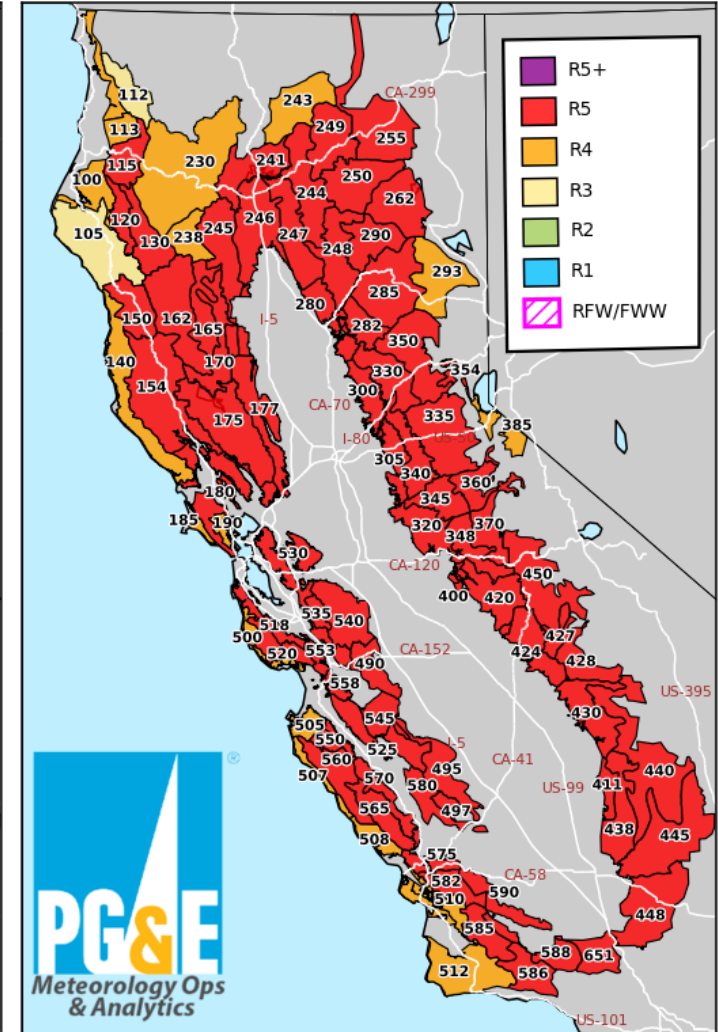
**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/14/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/15/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/16/2022



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# 2022 PSPS TTX Exercise

## Predictive Services Forecast

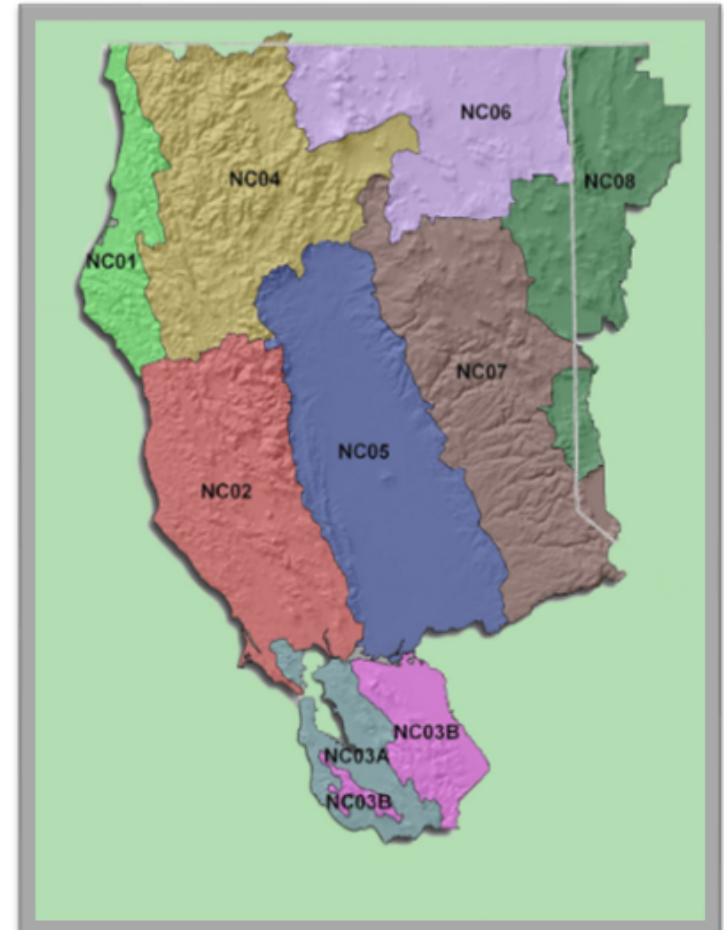


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NC08 - Far Eastside								



# 2022 PSPS TTX Exercise

## Predictive Services Forecast



**Predictive  
Services**

National Predictive Services Forecast  
California South Ops

Published: Tuesday, June 14, 2022

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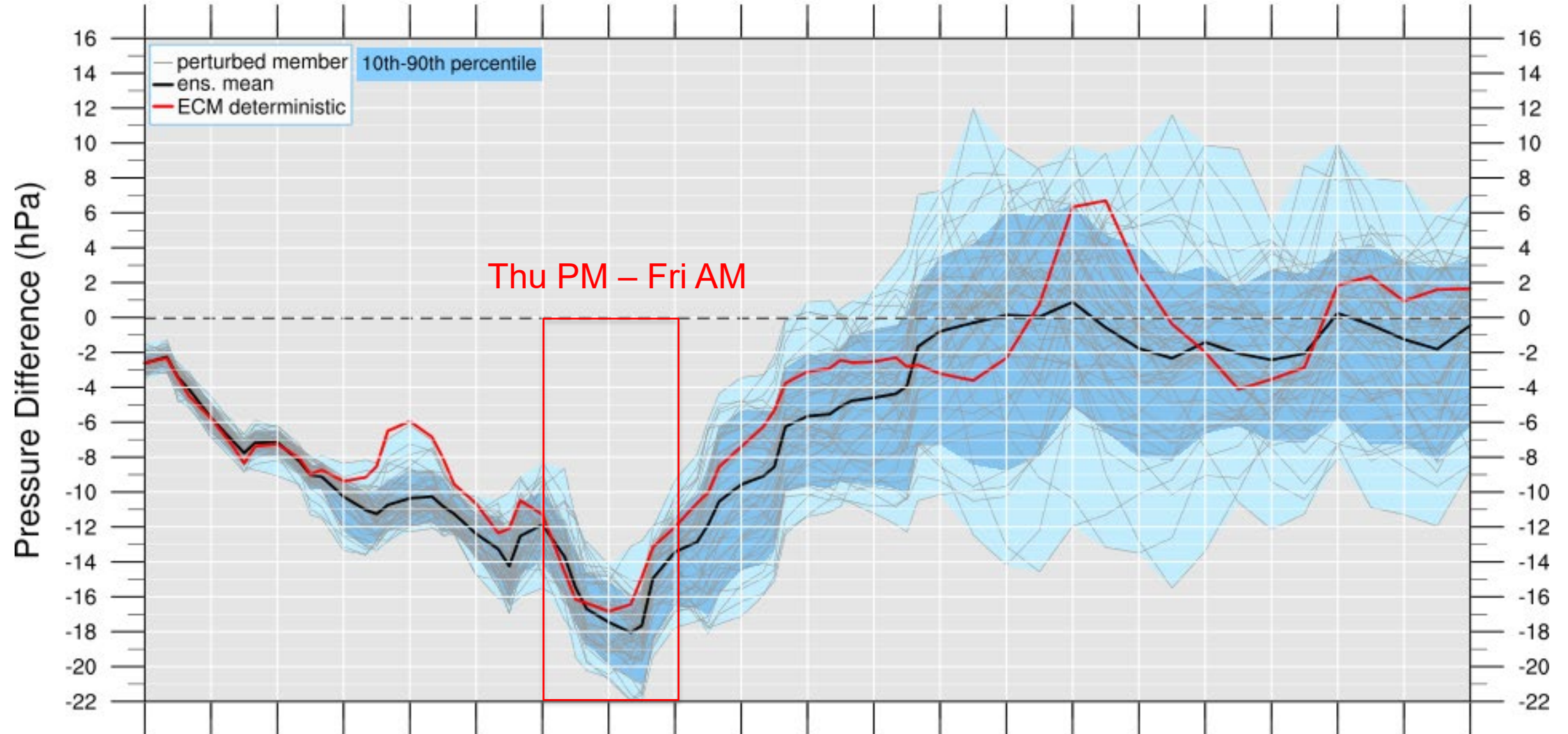
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# 2022 PSPS TTX Exercise

SFO-



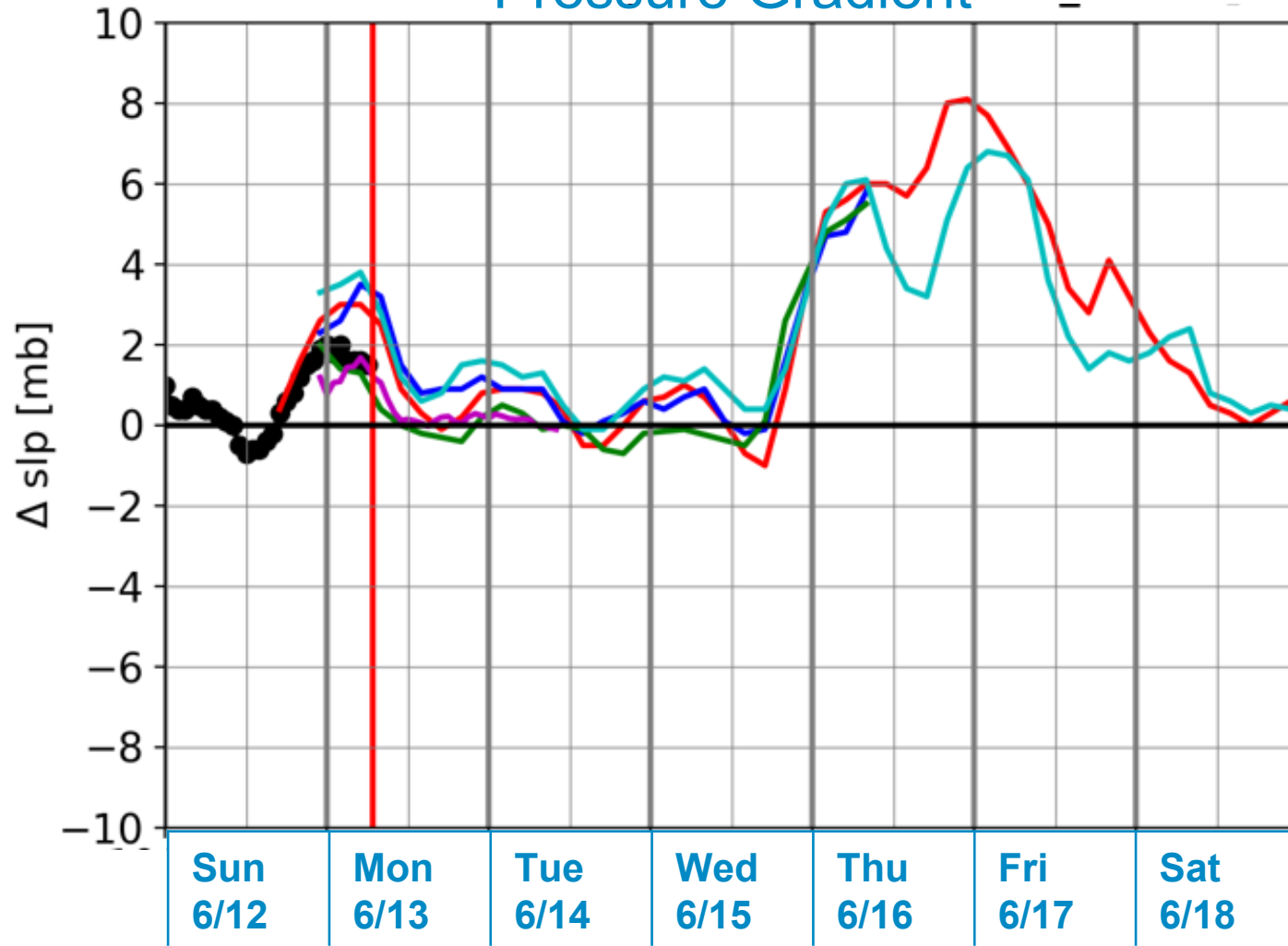




# 2022 PSPS TTX Exercise

## RDD-SAC

### Pressure Gradient

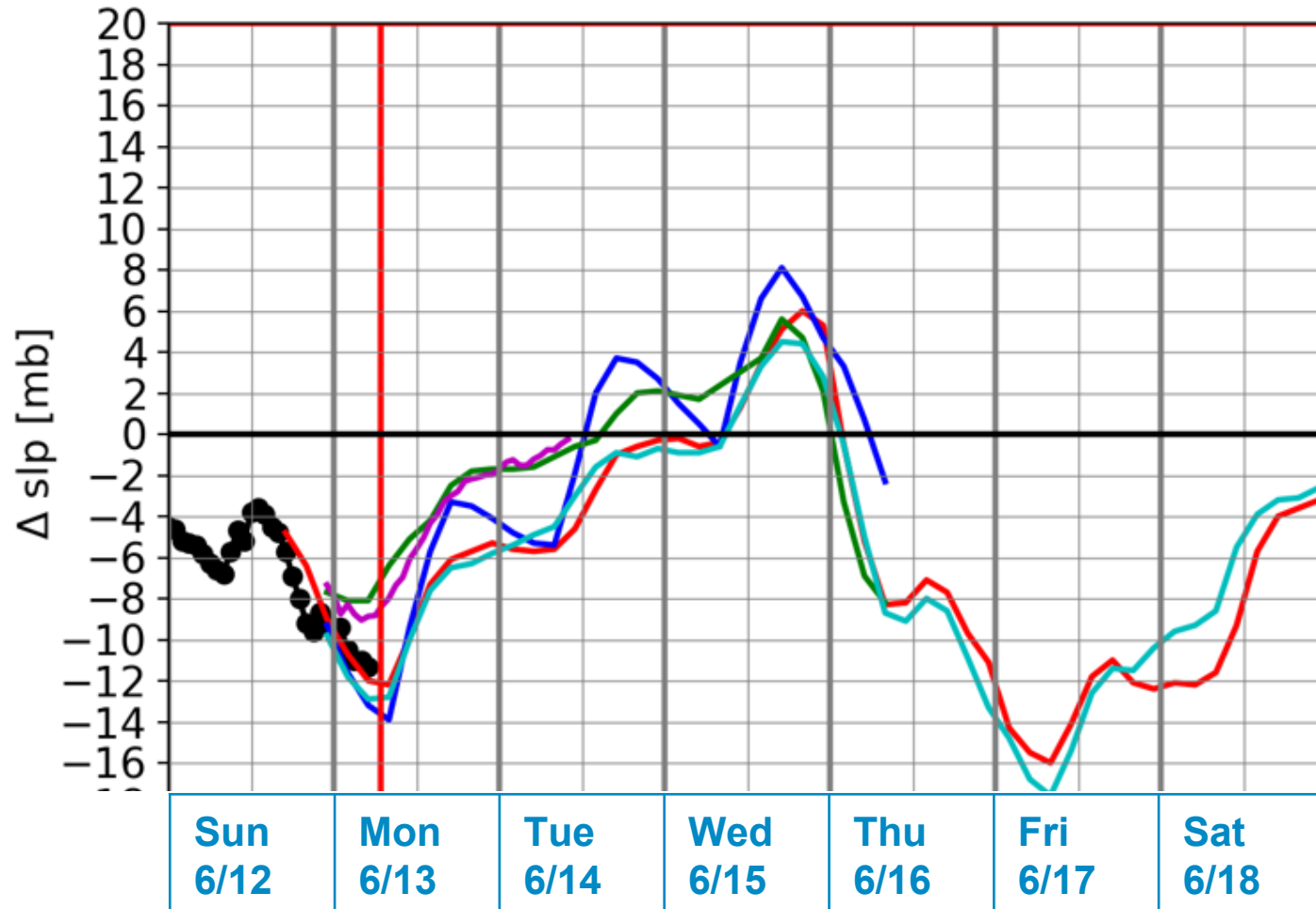




# 2022 PSPS TTX Exercise

## SAC-WMC

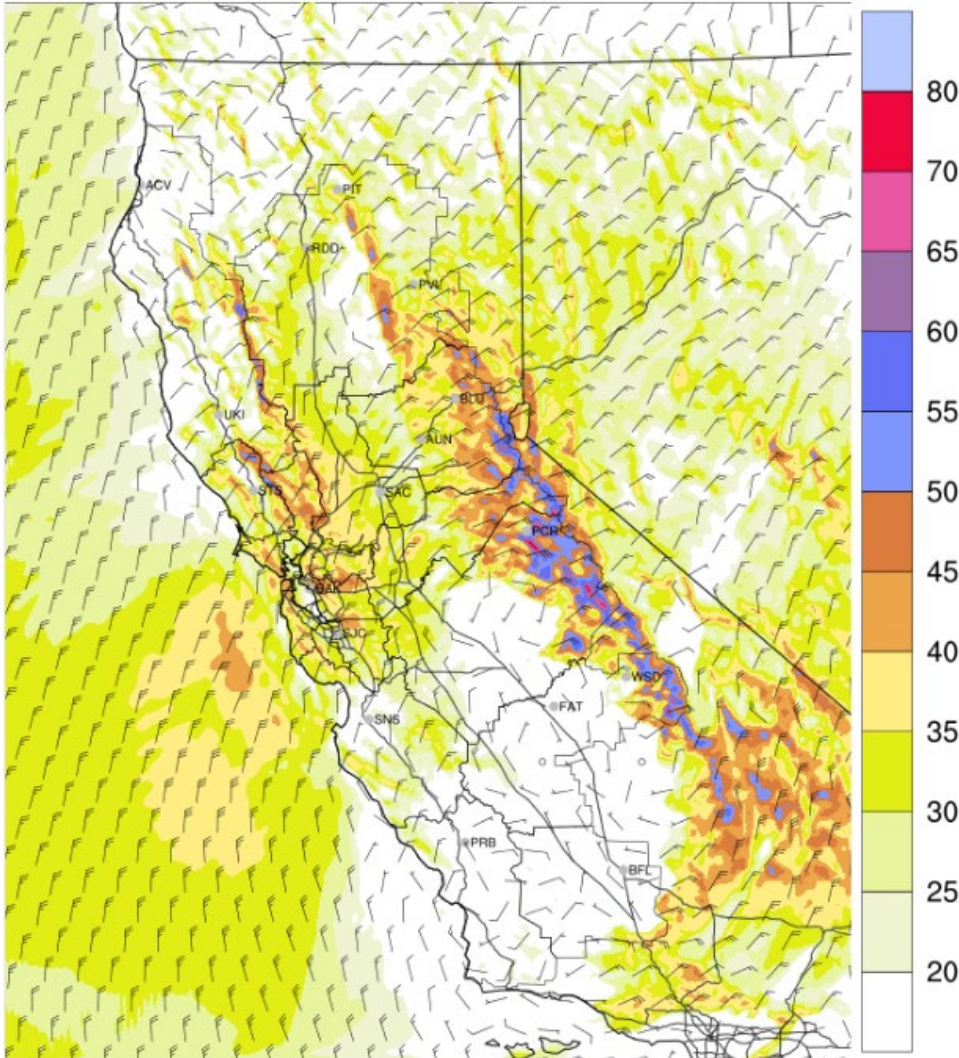
### Pressure Gradient



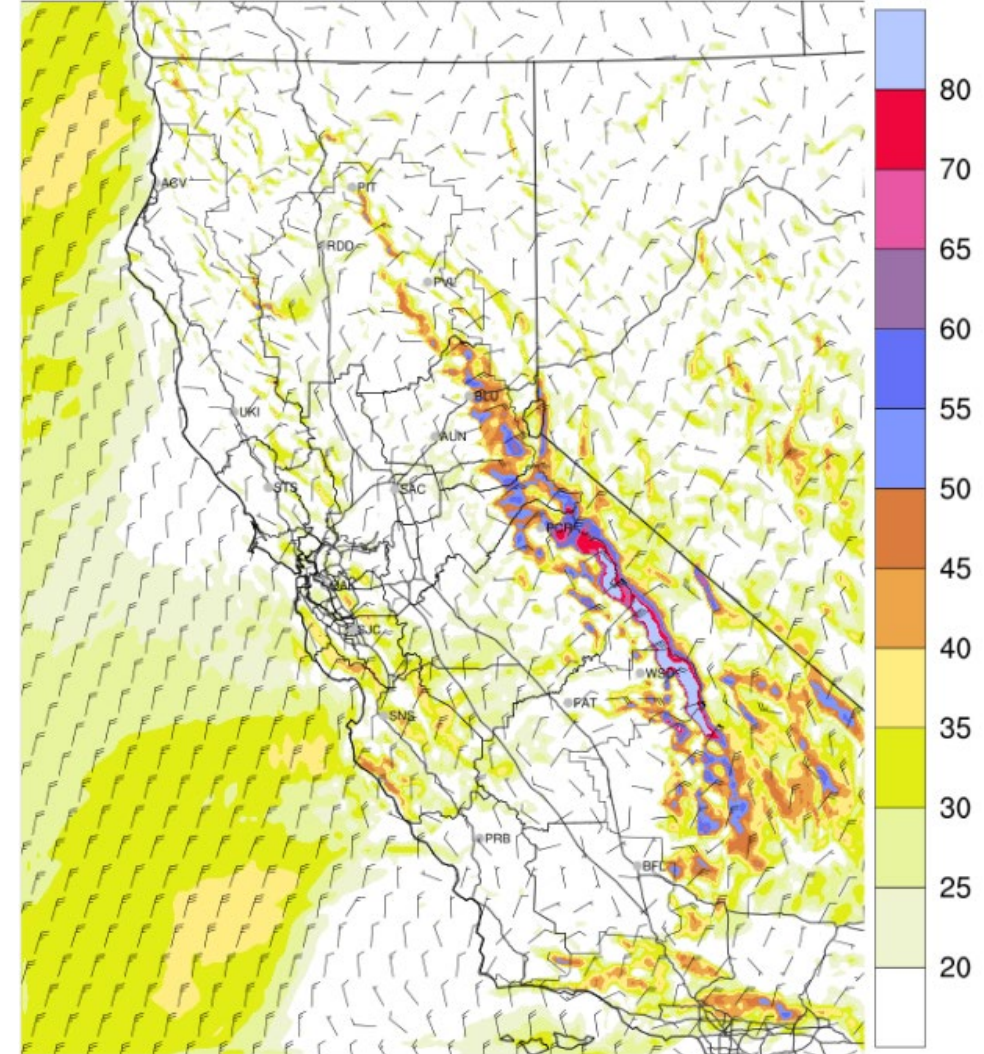


# 2022 PSPS TTX Exercise

## Forecasted Winds



Thursday Evening



Friday Morning





# 2022 PSPS TTX Exercise

## Current Scope

### Start

1100-1300 – Thursday, June 16

### End

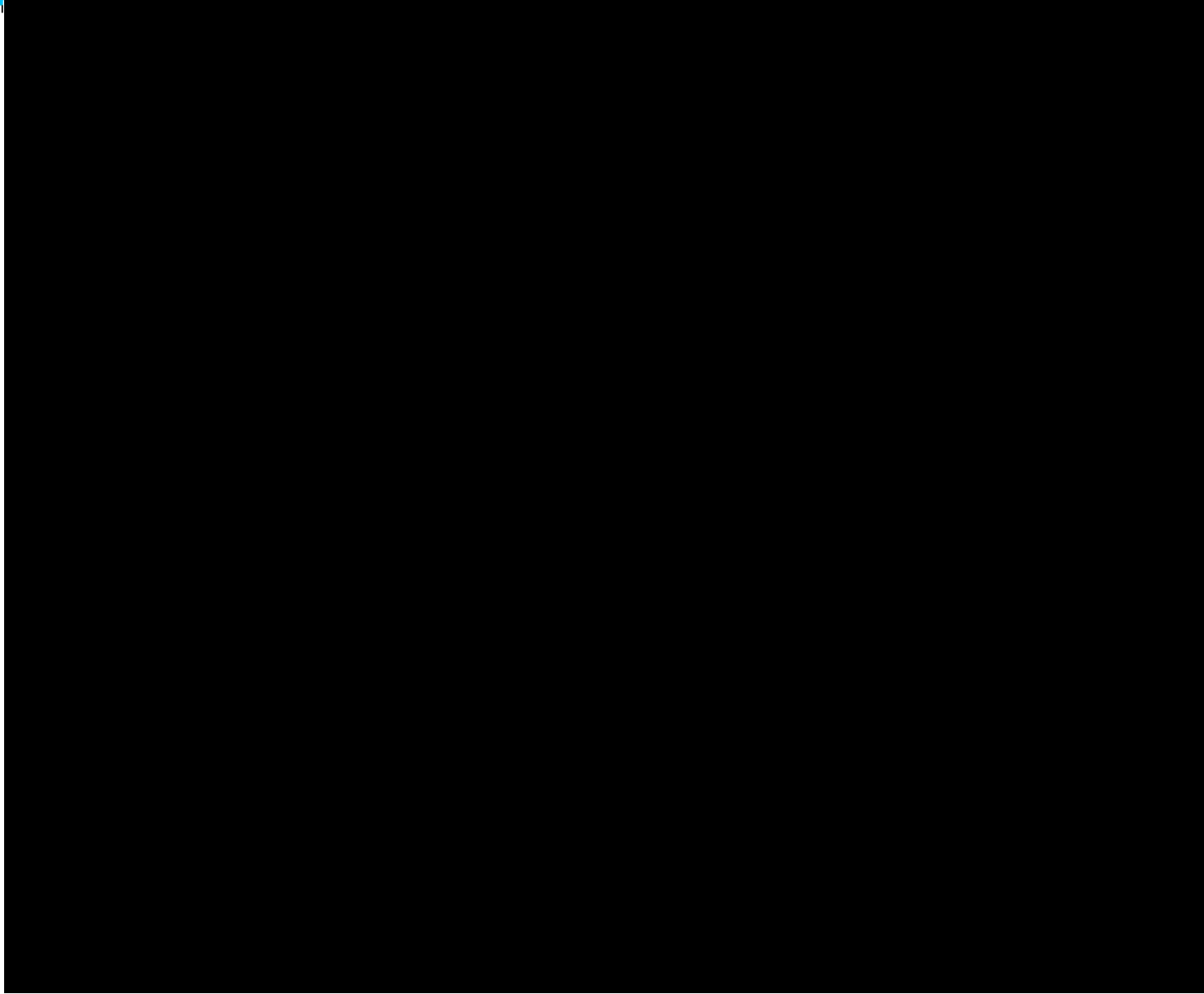
0700-0900 – Friday, June 17





# 2022 PSPS TTX Exercise

**DSO SOPP**  
**Forecast**





## M2 Facilitated Discussion: Event Scoping

Q. What new technology or process improvements has the HAWC implemented in this arena since 2021?

Q: How does the Temp Gen Branch determine which pre-planned sites to energize? How does this vary by type of site (i.e.- substation microgrid, distribution microgrid, pre-planned backup power support [e.g.- a hospital])

Q. What are the requirements to approve land acquisition for CRC and other Emergency Field Sites?

Q. As customer notifications are being prepared, it's discovered that Message Broadcast is experiencing a "tech-down" event. This will delay sending the notification until after curfew this evening. What approval is required to send a notification after 2000 hours? Does the type of notification affect the decision-making process?





## M2 Facilitated Discussion: Event Scoping

---

Q. A DWR pumping station is indicating there will be a loss of service within 2 hours if power is shut off. Upon investigation it is determined that the pumping station is fed by SCE, who has not called a PSPS Event in their territory. How would you mitigate this scenario?

Q. Please talk about the main Finance activities and objectives at this stage of the event. Also, could you comment on cost recovery (e.g., how are PSPS costs recovered?)

Q: What are the 2022 submission requirements for the Cal OES Form? What changes or updates have been implemented?

Q. What are the Human Resources response capabilities and essential functions that are specific to a PSPS event?



## M2 Facilitated Discussion: Event Scoping

---

Q. Who would field crews work with to ensure compliance with requirements for protection of cultural, natural and historical resources/sites?

Q. How would the ignition of a wildfire affect PSPS scoping?

Q: How would the presence of EPSS settings on certain assets affect PSPS scoping?

Q. How would the Facilities Unit Lead develop emergency response strategies and procedures to ensure continuity of operations in CRESS-operated facilities during a PSPS Event?



## M2 Facilitated Discussion: Event Scoping

---

Q. Please describe the event scoping process conducted by the PSPS Tech Specialist team, including any communications they may have with other entities.

Q. What are the different processes of communicating with Transmission Customers in the event they are impacted by a PSPS Event affecting PG&E's assets?

Q. What actions should the Physical Security Unit Lead prioritize during the scoping, planning, and notification phase of a PSPS activation?

Q: What is the process for providing power generation facilities with notification that a PSPS has potential to impact operations?

# 2022 PSPS TTX Scenario

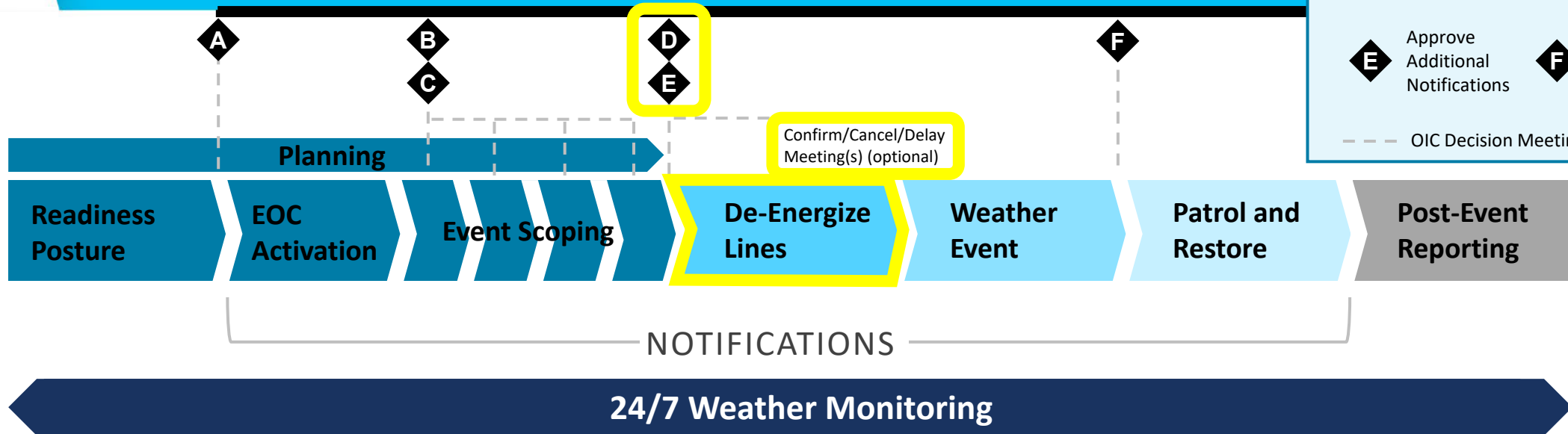
## Module 3: De-energization and Notifications





# PSPS Process – De-Energization

<b>A</b> Activate EOC	<b>B</b> Approve Scope & Power Flow Assessment
<b>C</b> Approve Notifications	<b>D</b> Approve Final Scope & De-Energization
<b>E</b> Approve Additional Notifications	<b>F</b> Weather All Clear
--- OIC Decision Meeting	



**D**  
**E**

During **Decision Meeting D+E** the OIC reviews the final scope of the event and makes the decision to proactively shut off power based on an assessment of the quantitative and qualitative factors. The OIC establishes the risk of catastrophic wildfire outweighs the risk of de-energization, all alternatives are mitigations have been identified, and de-energization is truly a measure of last resort. At the conclusion of their analysis of the situation, the OIC makes Decision D which authorizes the proactive de-energization of those customers in the final event scope and Decision E which authorizes the notification of those customers in the final event scope.

The OIC will make the final decision to shut off power based on an assessment of the quantitative and qualitative factors.

Upon confirming the decision to shut off power for safety, the OIC will hand off to the EOC Commander to execute the necessary steps to de-energize.

- Once the power is shut off, crews stage and prepare for restoration.



- [illegible]



# DRILL – 2022 PSPS TTX Exercise



**National Weather Service**

National Oceanic and Atmospheric Administration

Home Spot Forecast ▾ Forecasts/Outlooks ▾ Current Conditions ▾ Fire Status ▾ Fuels ▾ KML ▾ Contact/Other Info ▾ Permalink

## CALIFORNIA FIRE WEATHER

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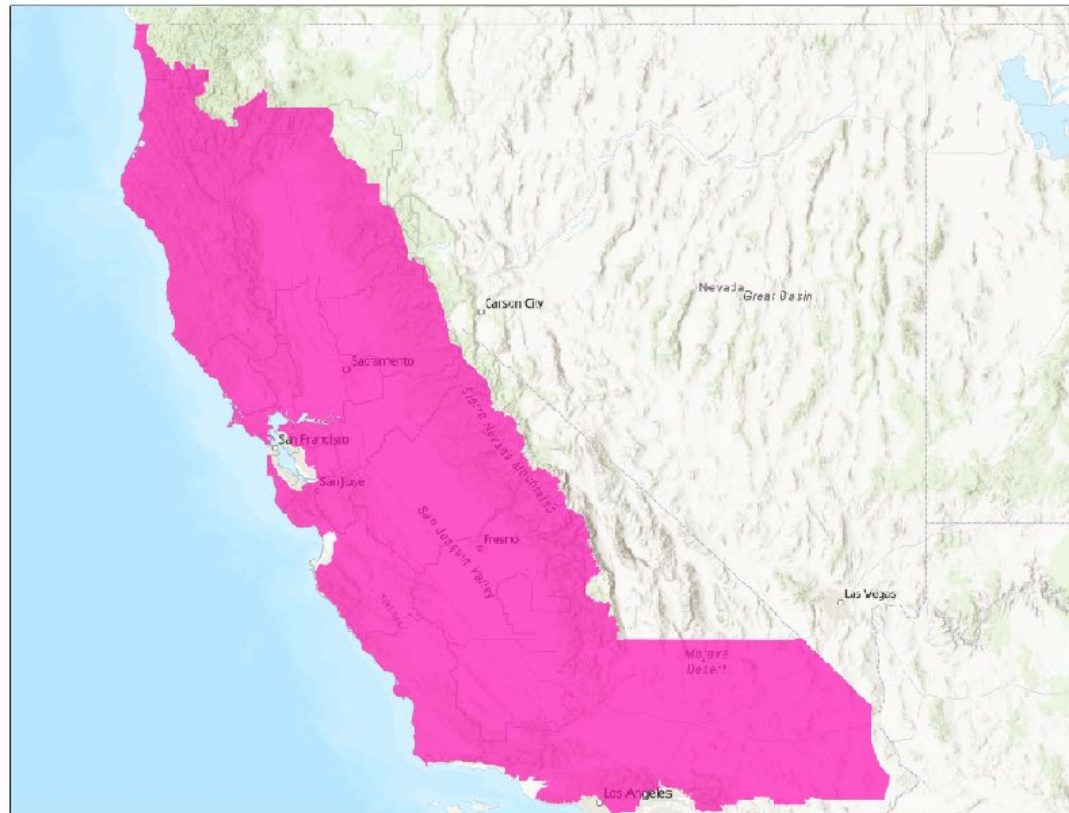
**Note:**

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Lake County moves from STO to EKA office on 3/3/2020.

Please email webmaster for any problems with the web page

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## Welcome to the California Fire Weather Page

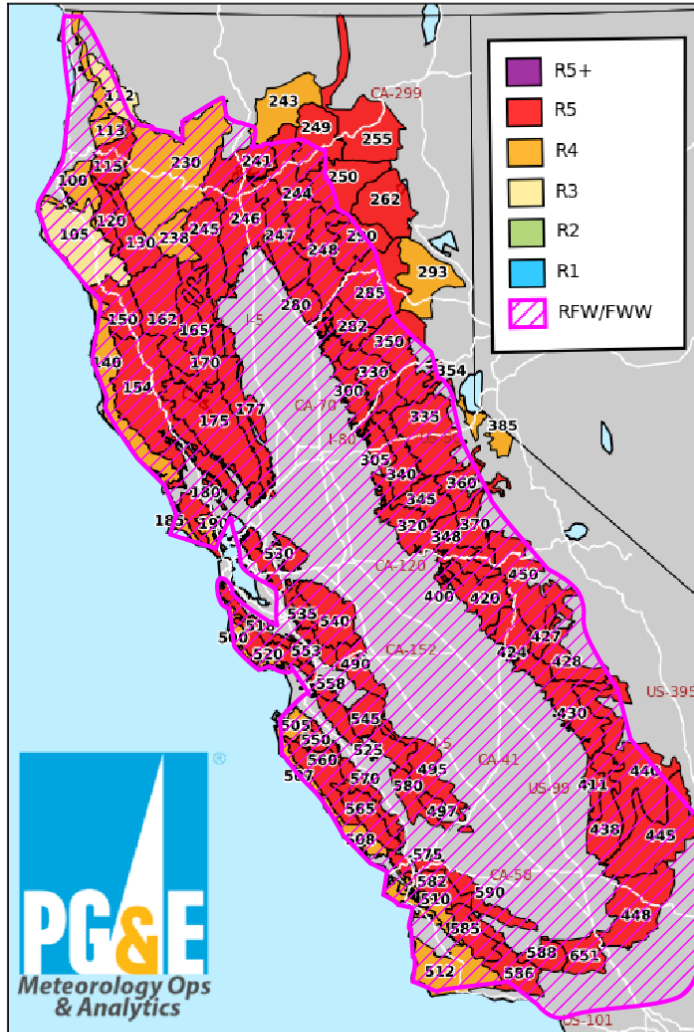


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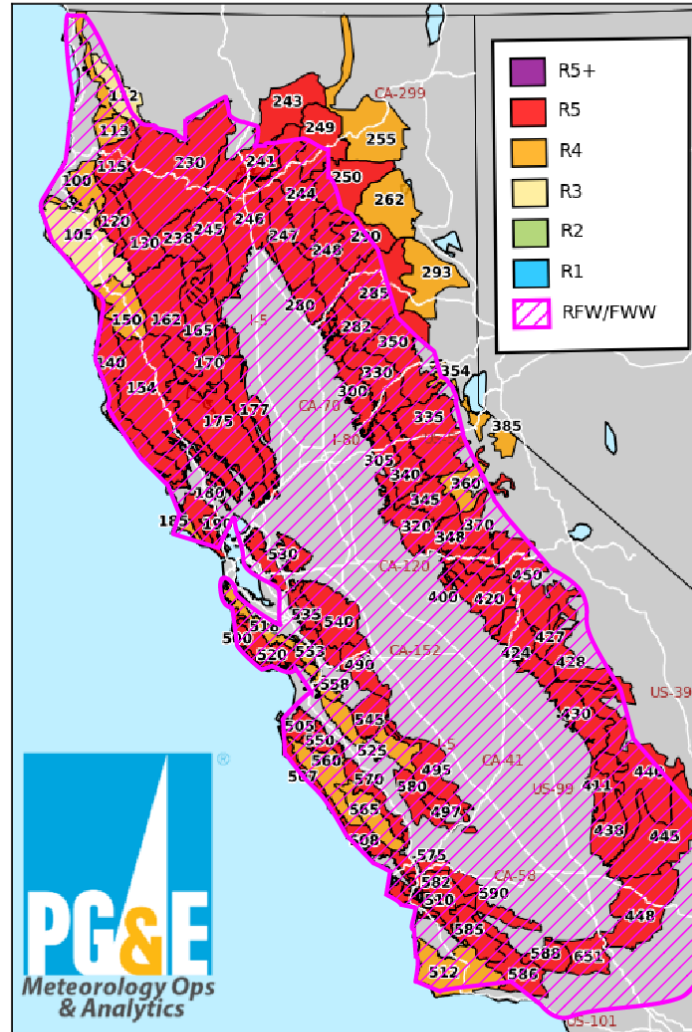
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# DRILL – 2022 PSPS TTX Exercise

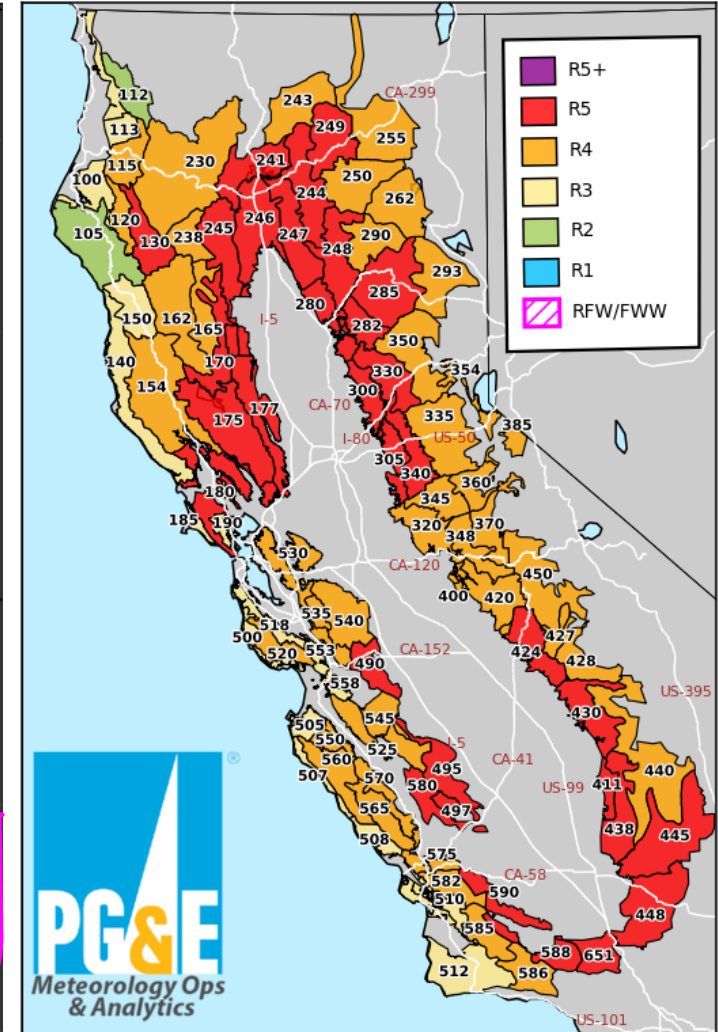
**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/16/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/17/2022



**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/18/2022



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# DRILL – 2022 PSPS TTX Exercise

## Predictive Services Forecast

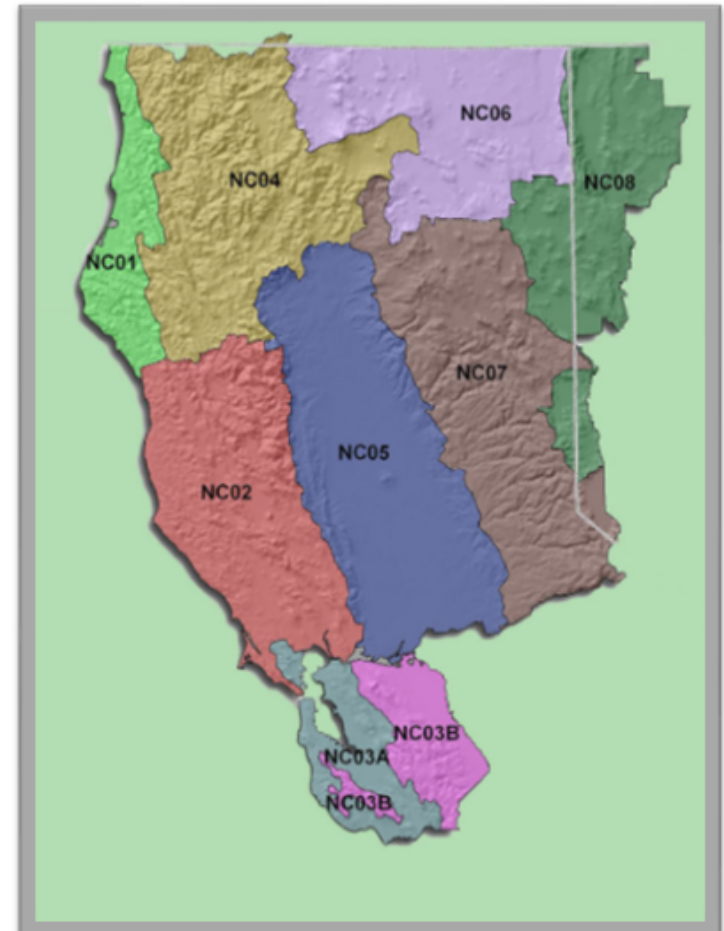


### North Ops 7-day Significant Fire Potential Outlook

Issued by North Ops Predictive Services, Redding CA

Published: Thursday, June 16, 2022

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NC08 - Far Eastside								



# DRILL – 2022 PSPS TTX Exercise

## Predictive Services Forecast



**Predictive  
Services**

National Predictive Services Forecast  
California South Ops

Published: Thursday, June 16, 2022

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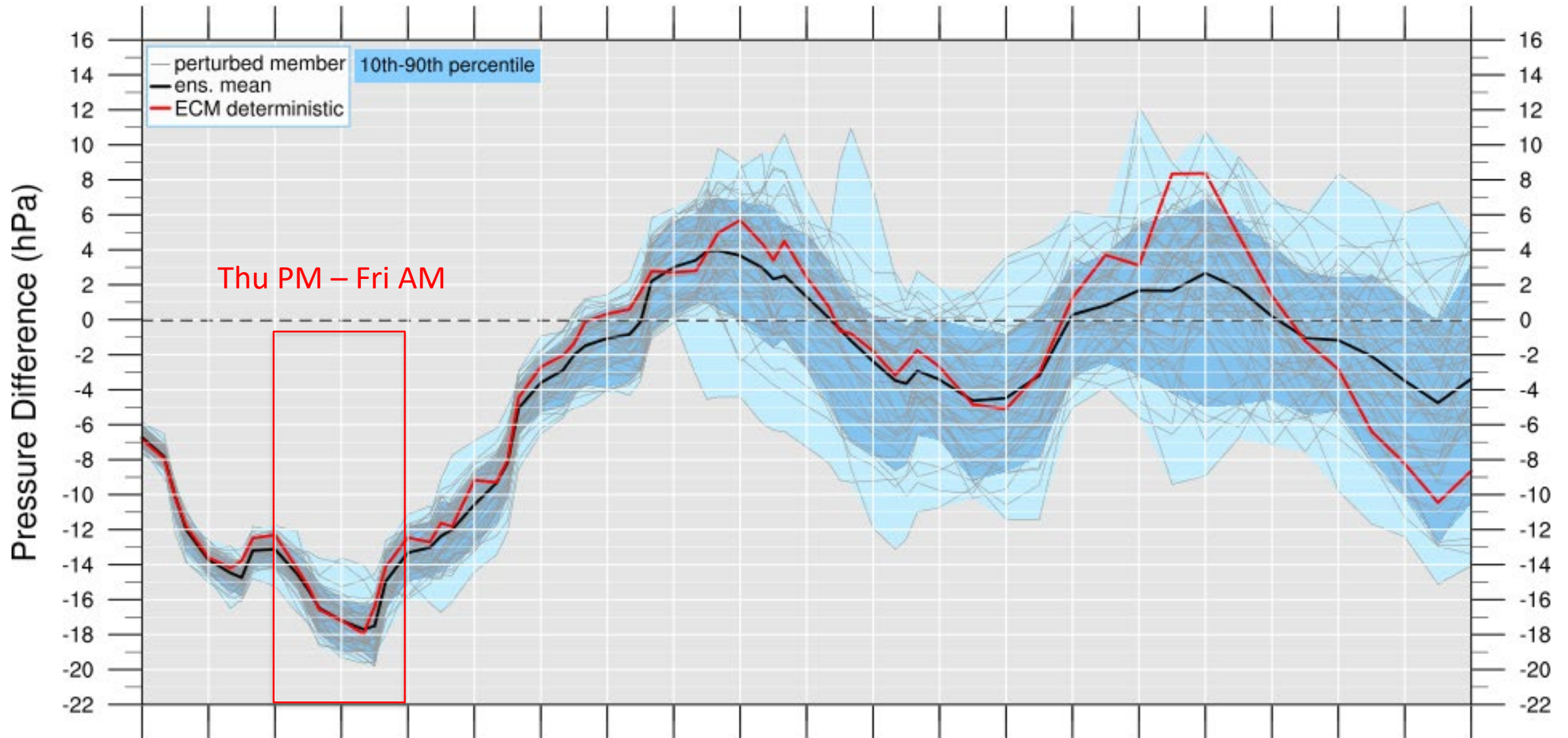
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# DRILL – 2022 PSPS TTX Exercise

## SFO-WMC







# DRILL – 2022 PSPS TTX Exercise

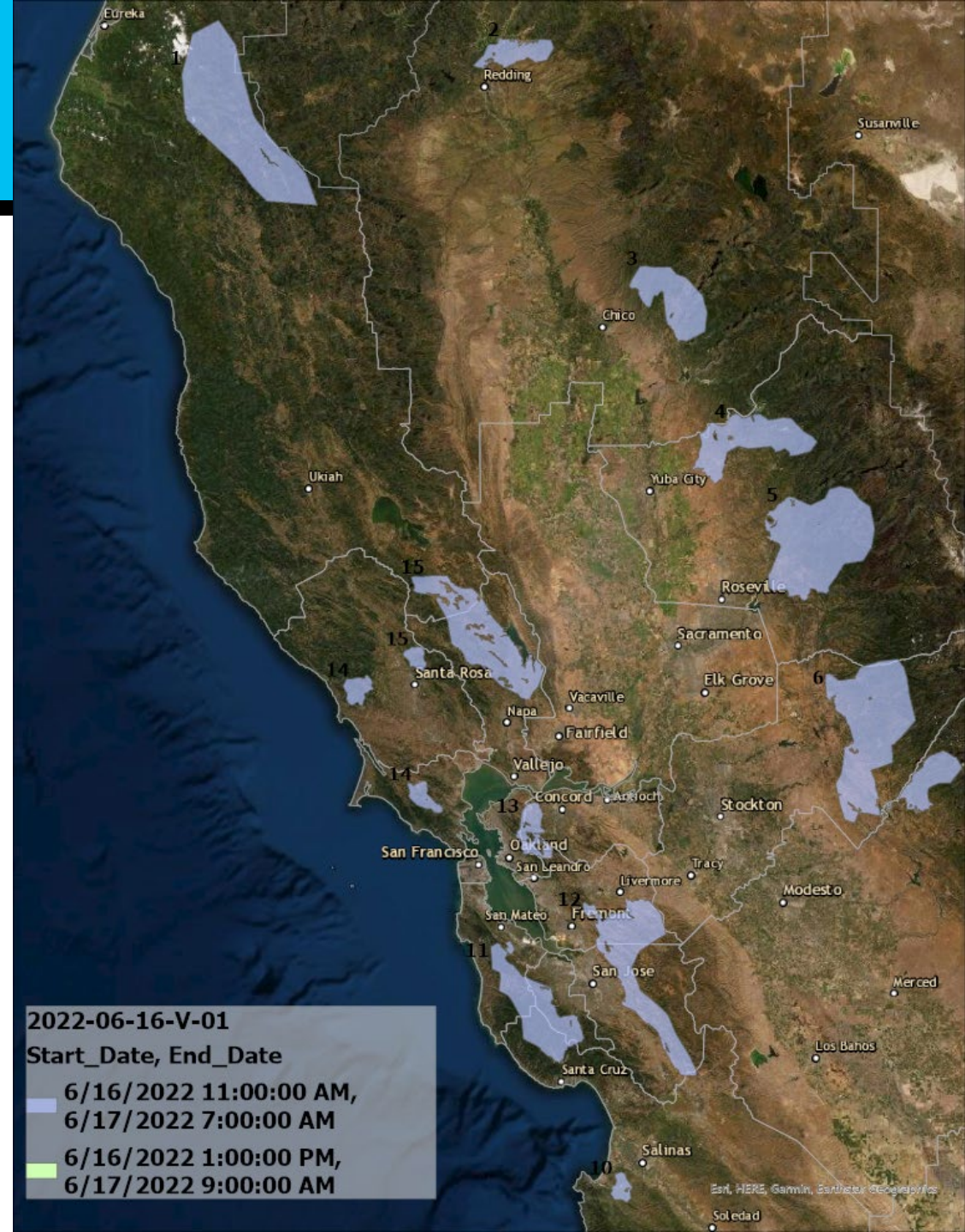
TPs 1, 2, 3, 4, 5, 6, 10, 11, 12,  
13, 14, 15

## Start

1100 – Thursday, June 16

## End

0700 – Friday, June 17



2022-06-16-V-01

Start\_Date, End\_Date

6/16/2022 11:00:00 AM,  
6/17/2022 7:00:00 AM

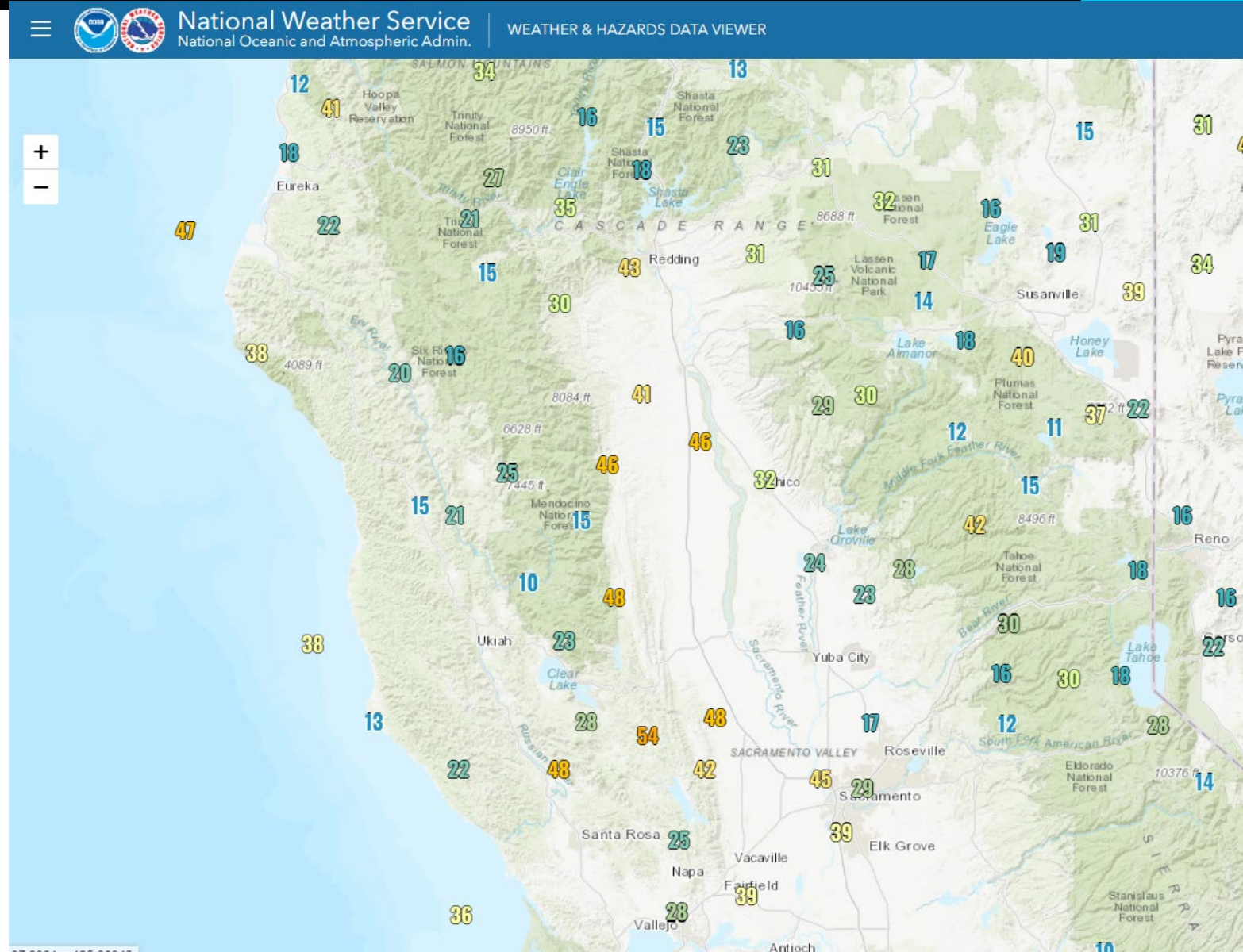
6/16/2022 1:00:00 PM,  
6/17/2022 9:00:00 AM





# DRILL – 2022 PSPS TTX Exercise

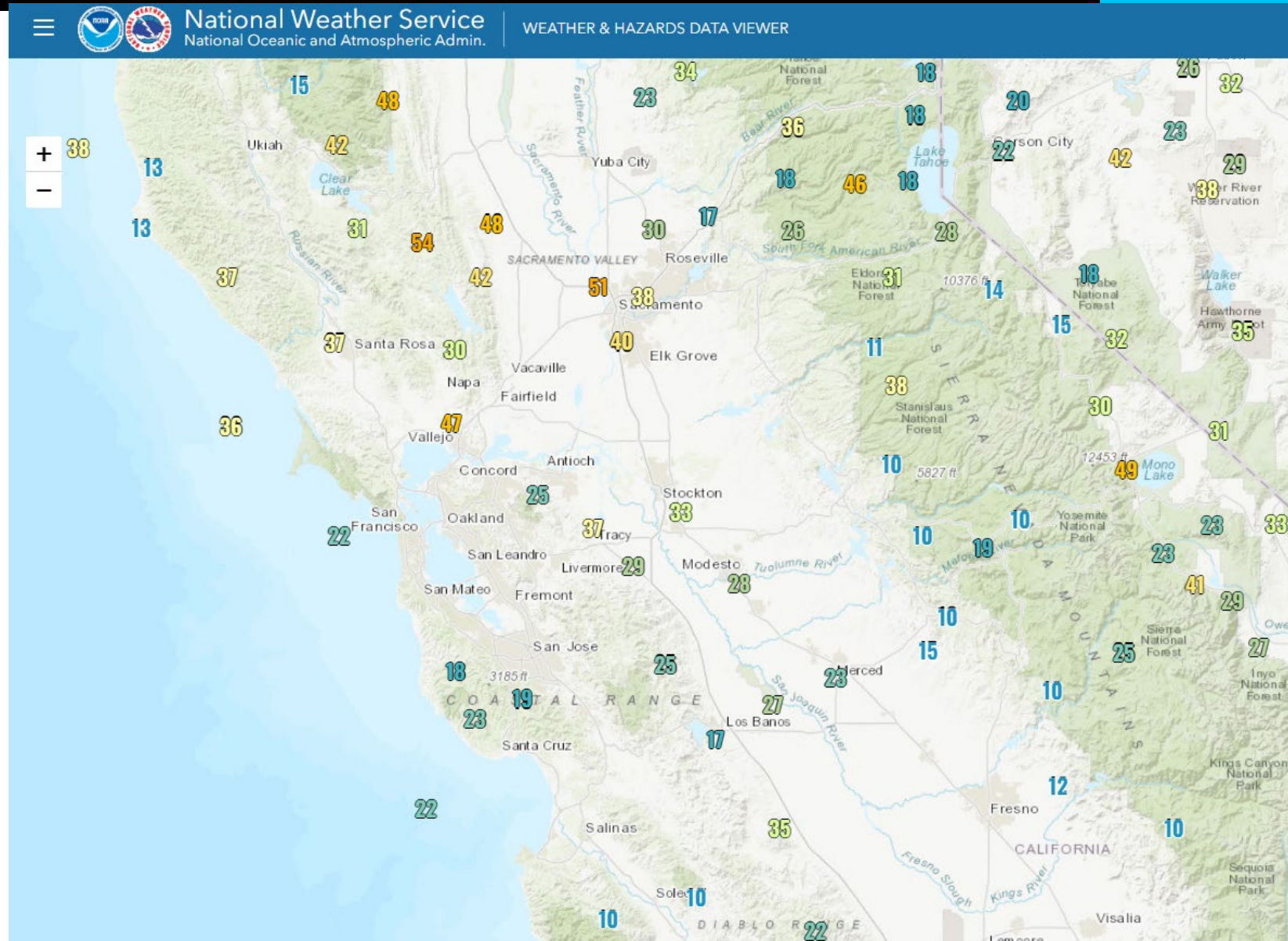
## Current Winds





# DRILL – 2022 PSPS TTX Exercise

## Current Winds

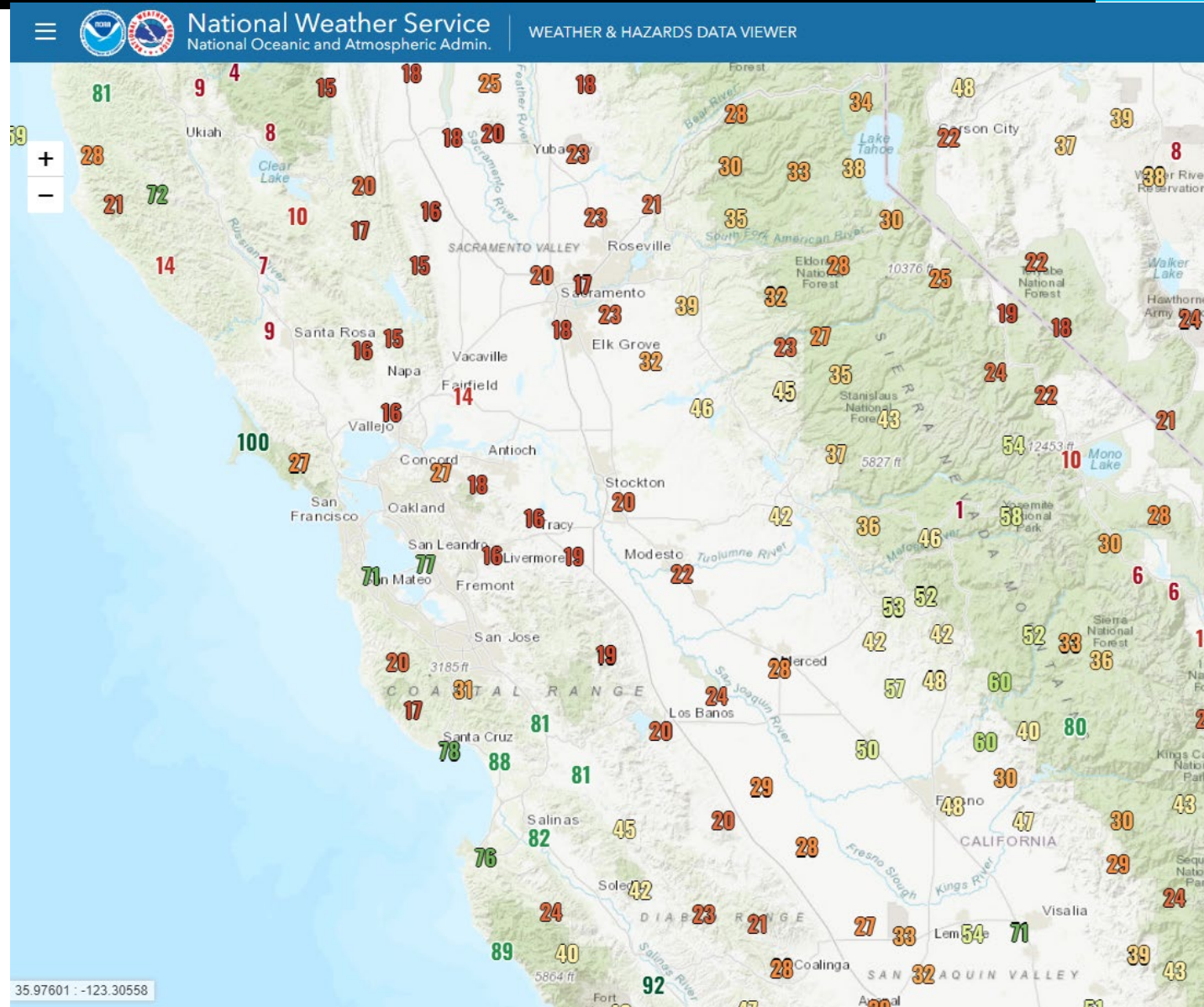






# DRILL – 2022 PSPS TTX Exercise

## Relative Humidity







# DRILL – 2022 PSPS TTX Exercise

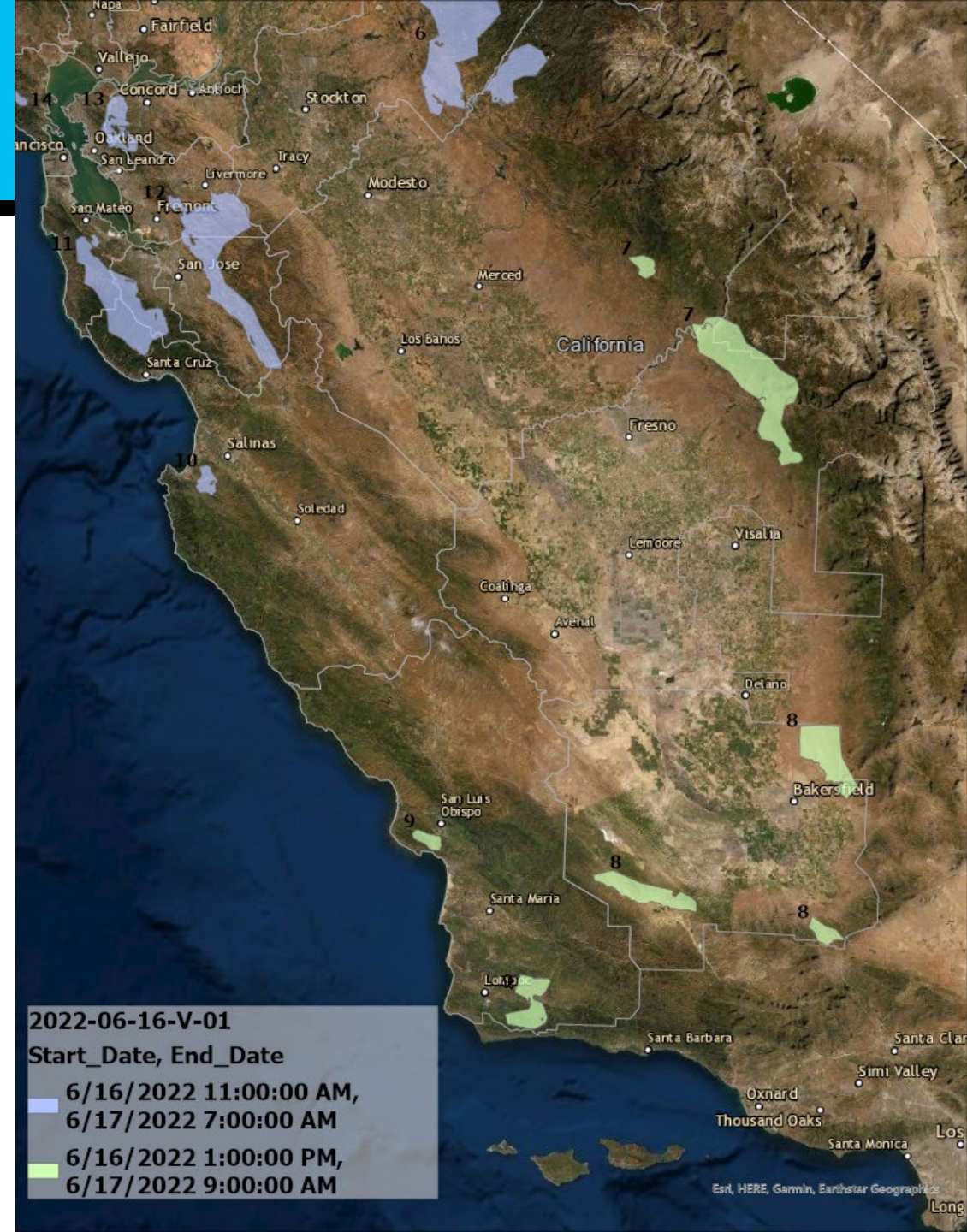
TPs 7, 8, 9

Start

1300 – Thursday, June 16

End

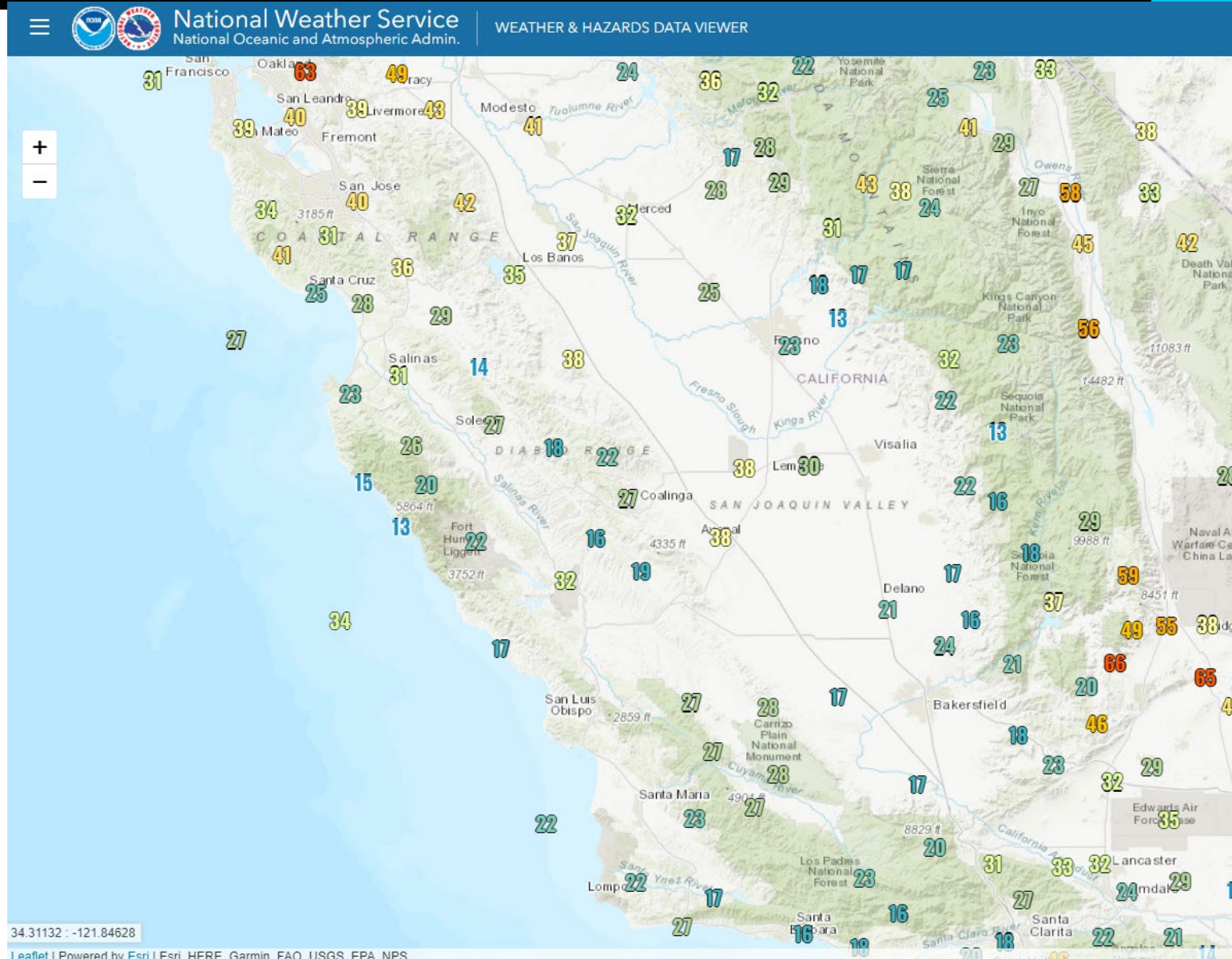
0900 – Friday, June 17





# DRILL – 2022 PSPS TTX Exercise

## Current Winds

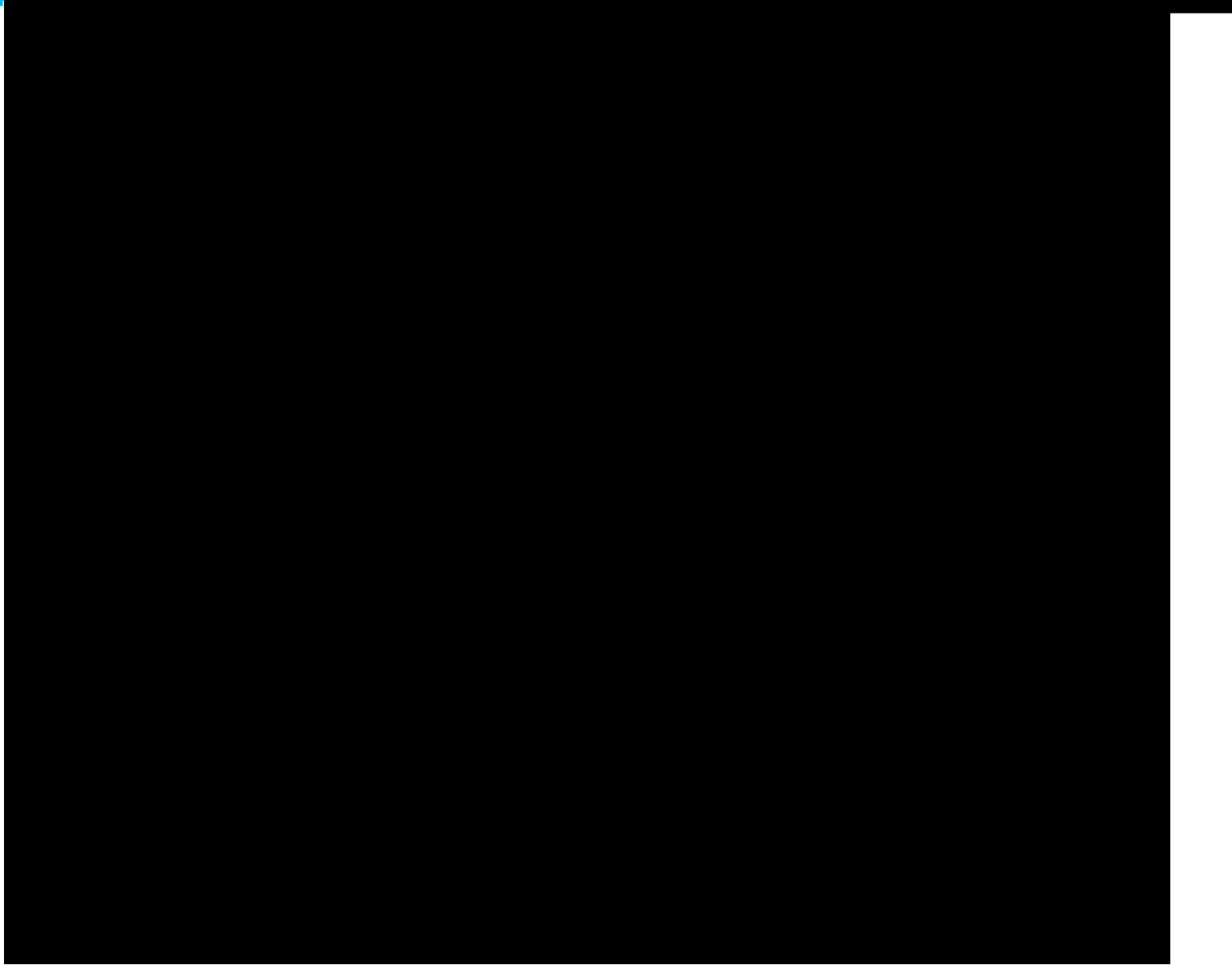


[illegible]



# DRILL – 2022 PSPS TTX Exercise

DSO SOPP  
Forecast





## M3 Facilitated Discussion: De-Energization & Notification

---

Q. How does the HAWC coordinate with the EOC Operations and Plans Sections to determine Field Weather Observation locations for SIPT crews?

Q. Describe the steps the PIO team takes to prepare notifications for media and internal stakeholders. How does the PIO coordinate with Customer and Liaison sections to ensure alignment in external messaging?

Q: What are the parameters of permitting Vegetation Management crews to operate in the vicinity of PSPS-impacted circuits during de-energization?

Q. What are common backfeed safety concerns during PSPS events? What are the potential consequences of a backfeed incident?





## M3 Facilitated Discussion: De-Energization & Notification

---

Q. After power is shut off, an **AFN (access and functional needs) customer** calls the contact center to advise the PG&E/CBO (community-based org) provided battery is malfunctioning and they don't know how much longer they have left. How can PG&E assist this customer?

Q. How would the IT Branch mitigate a case where de-energization resulted in a loss of service to internal Telecom assets? How about an instance of field crews being unable to use internal mobile applications?

Q. The OES Director for Napa County has called their local PSS and wants to know if there has been a change in scope and how will it impact Napa County? What is the source of information to provide a detailed response?

Q. What are the parameters of allowing customers to leave their property (including medical equipment) to charge batteries at a CRC? What are some potential pitfalls of doing so?





## M3 Facilitated Discussion: De-Energization & Notification

Q. What is being done to ensure our employees are aware of potential safety threats resulting from irate customers and members of the public?

Q: What is the course of action taken if a field crew operates a device that was not planned?

Q. How are SIPT Engine crews coordinated and dispatched to each Time-Place (TP)? What elements of information are provided by SIPT Teams in the field while power is de-energized? How is information managed when multiple Time-Places are de-energized simultaneously (including overlapping start-stop times)?

Q. What are the criteria for activating the CIMC? How is this accomplished?

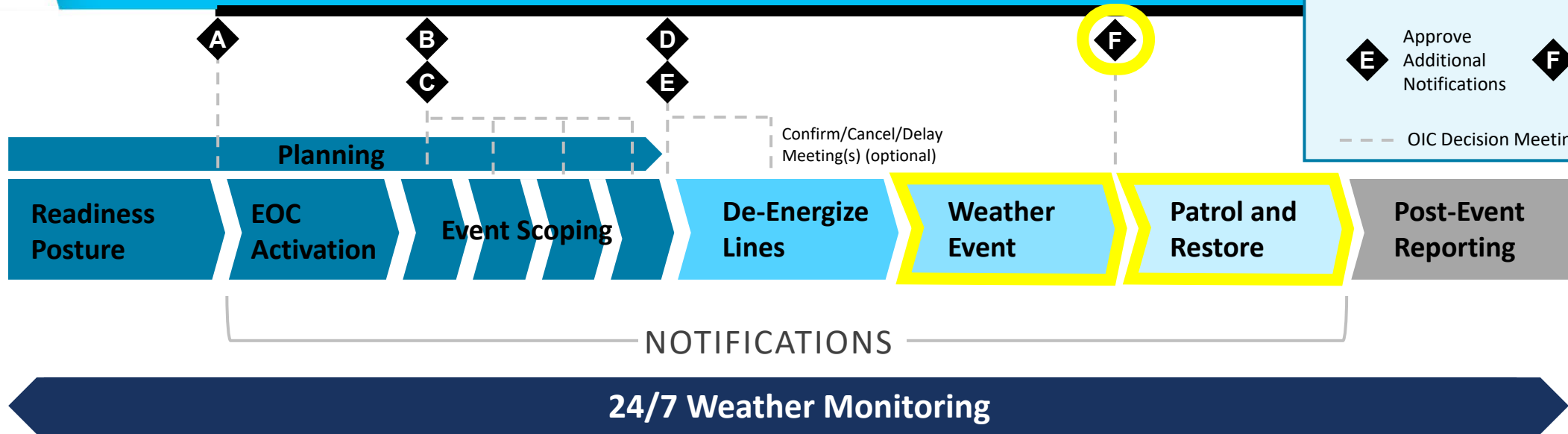
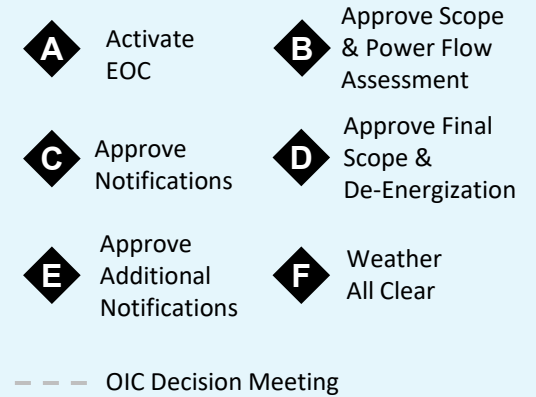
# 2022 PSPS TTX Scenario

## Module 4: Monitor, Patrol & Restore, Notifications





# PSPS Process – Patrol & Restore



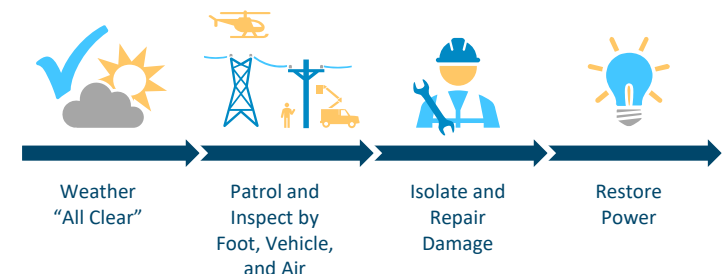
PG&E's Hazard Awareness & Warning Center (HAWC) monitors the threat landscape across the service territory by means of:

- The Safety Infrastructure and Protection (SIP) team's targeted on-the-ground real-time observations of the situation
- PG&E's remote weather stations network
- Live satellite images and videos
- Public safety authority's emergency alert systems

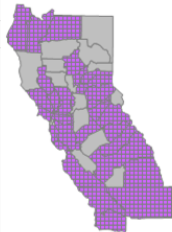








As the extreme weather dissipates, the OIC conducts OIC Decision meeting F where the OIC reviews weather conditions from PG&E's meteorology team and WSOC to determine when it is safe to begin patrol and restoration efforts. At the conclusion of the meeting the OIC makes **Decision F Weather "All Clear"** and authorizes the start of patrol and restoration efforts.

After the extreme weather has passed and the OIC has declared Weather "All Clear," the patrol and restoration efforts may commence. PSPS patrol consists of a visual assessment of assets to identify any condition that would prevent a circuit or portion thereof from being safely energized.





- |              | Fri<br>6/17/22  | Sat<br>6/18/22  | Sun<br>6/19/22  | Mon<br>6/20/22  | Tue<br>6/21/22  | Wed<br>6/22/22  | Thu<br>6/23/22  |
|--------------|---|---|---|---|---|---|---|
| Not Planned  | Day 0   | Day 1   | Day 2   | Day 3   | Day 4   | Day 5   | Day 6   |
| Elevated     |  |  |  |  |  |  |  |
| PSPS Watch   |   |   |   |   |   |   |   |
| PSPS Warning |   |   |   |   |   |   |   |

This forecast has been customized solely for PG&E utility operations and should not be used for any other purpose or by any other entity. This tool provides an outlook of the potential for a Public Safety Power Shutoff (PSPS) event in the next 7 days. It is not a fire danger forecast. PSPS decisions are made at more granular levels than provided here; thus, only a portion of a county may experience a PSPS event.

[illegible]

# DRILL – 2022 PSPS TTX Exercise



**National Weather Service**

National Oceanic and Atmospheric Administration

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[Forecasts/Outlooks ▾](#)

[Current Conditions ▾](#)

[Fire Status ▾](#)

[Fuels ▾](#)

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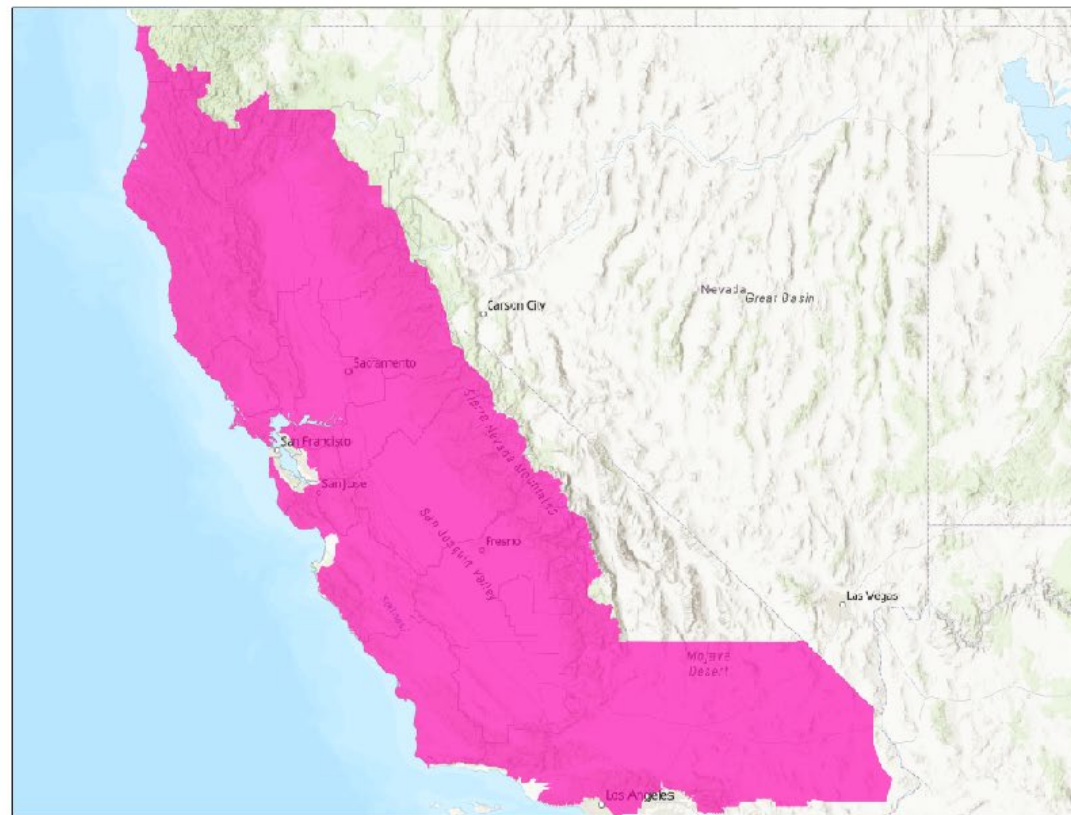
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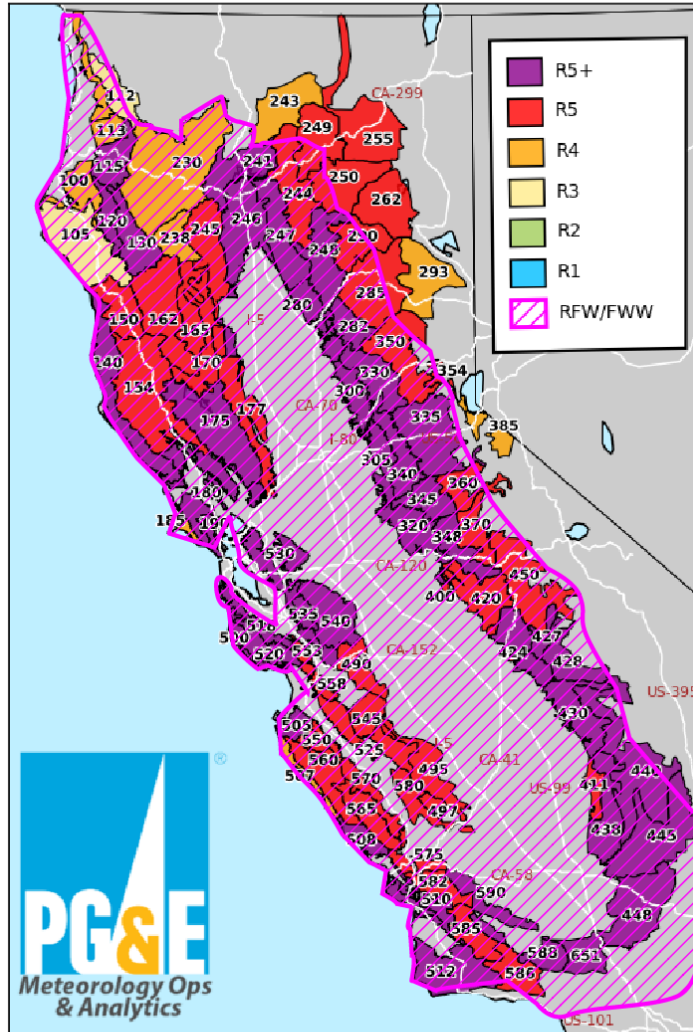
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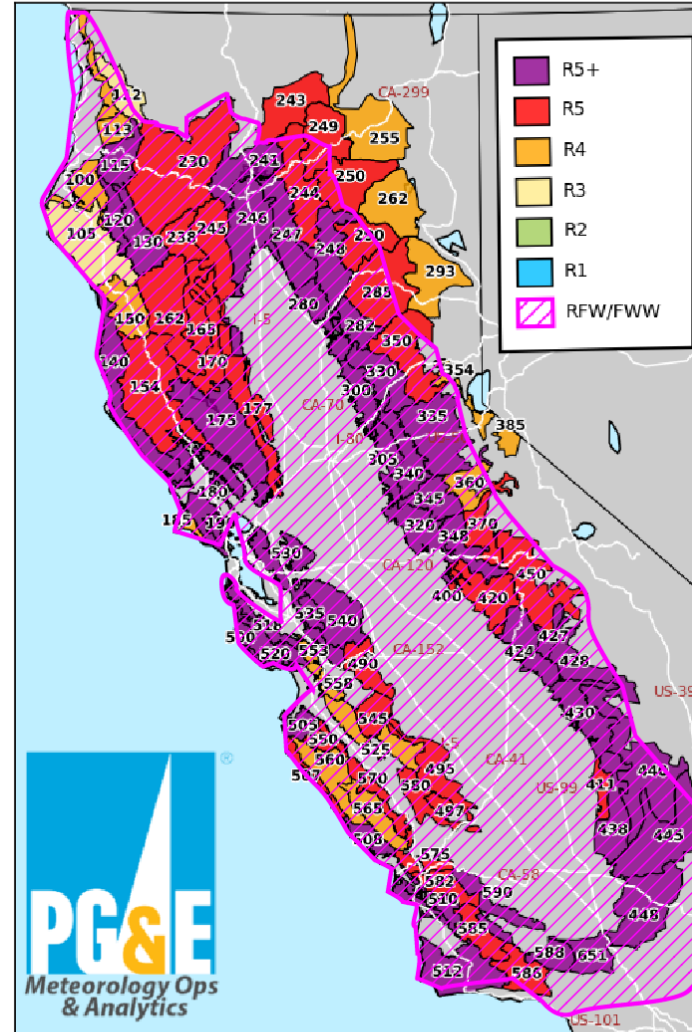
# DRILL – 2022 PSPS TTX Exercise

**PG&E Utility Fire Potential Index Ratings**  
Valid for 06/16/2022



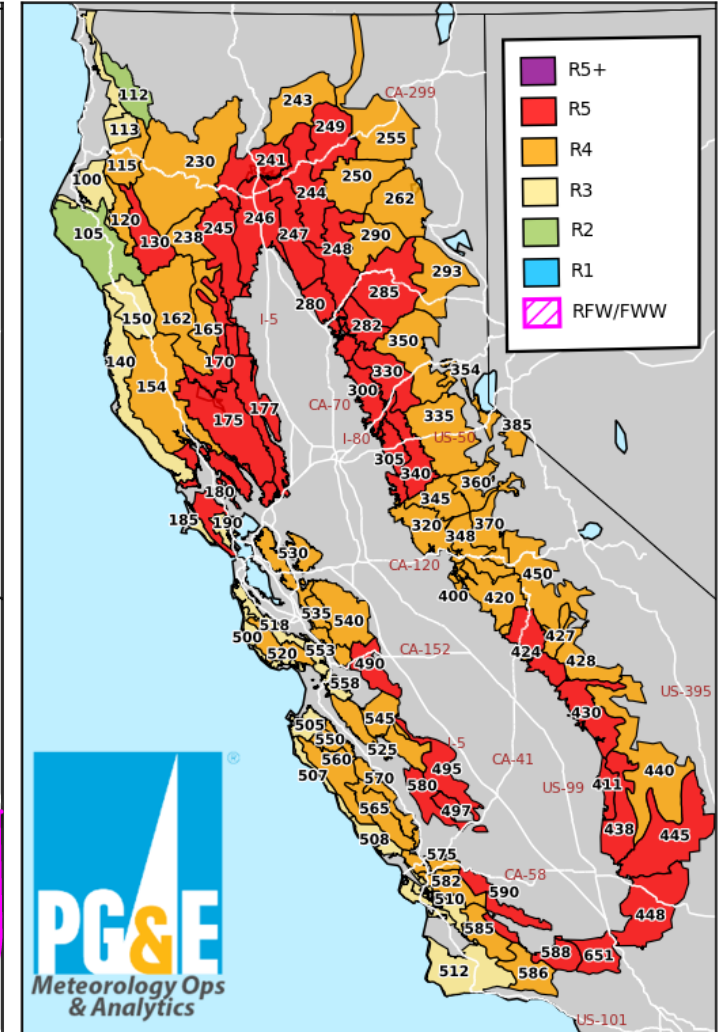
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# DRILL – 2022 PSPS TTX Exercise

## Predictive Services Forecast

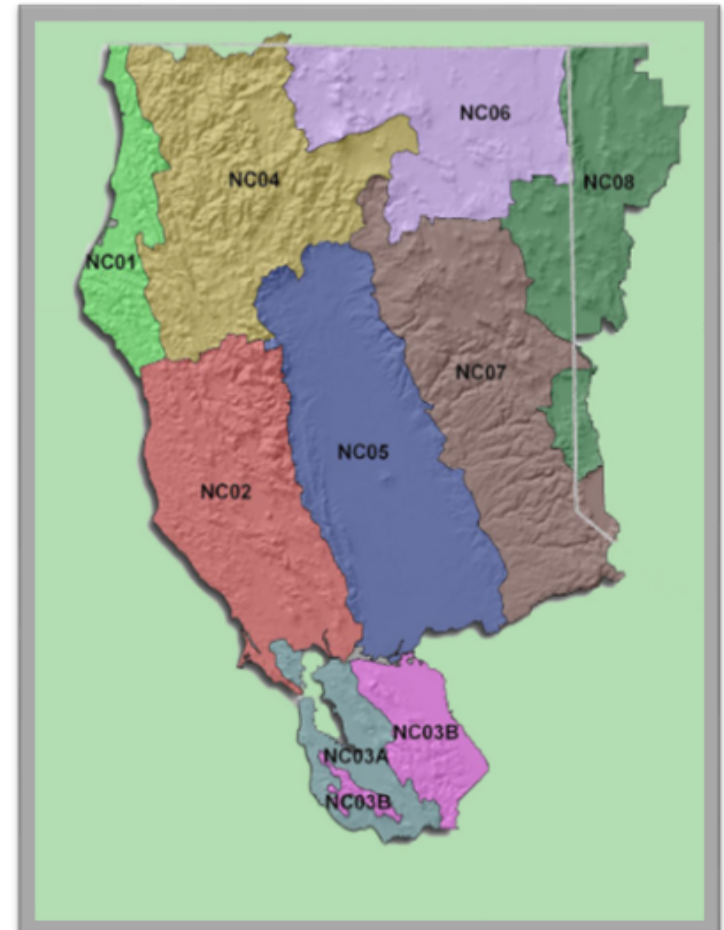


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# DRILL – 2022 PSPS TTX Exercise

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**Predictive  
Services**

National Predictive Services Forecast  
California South Ops

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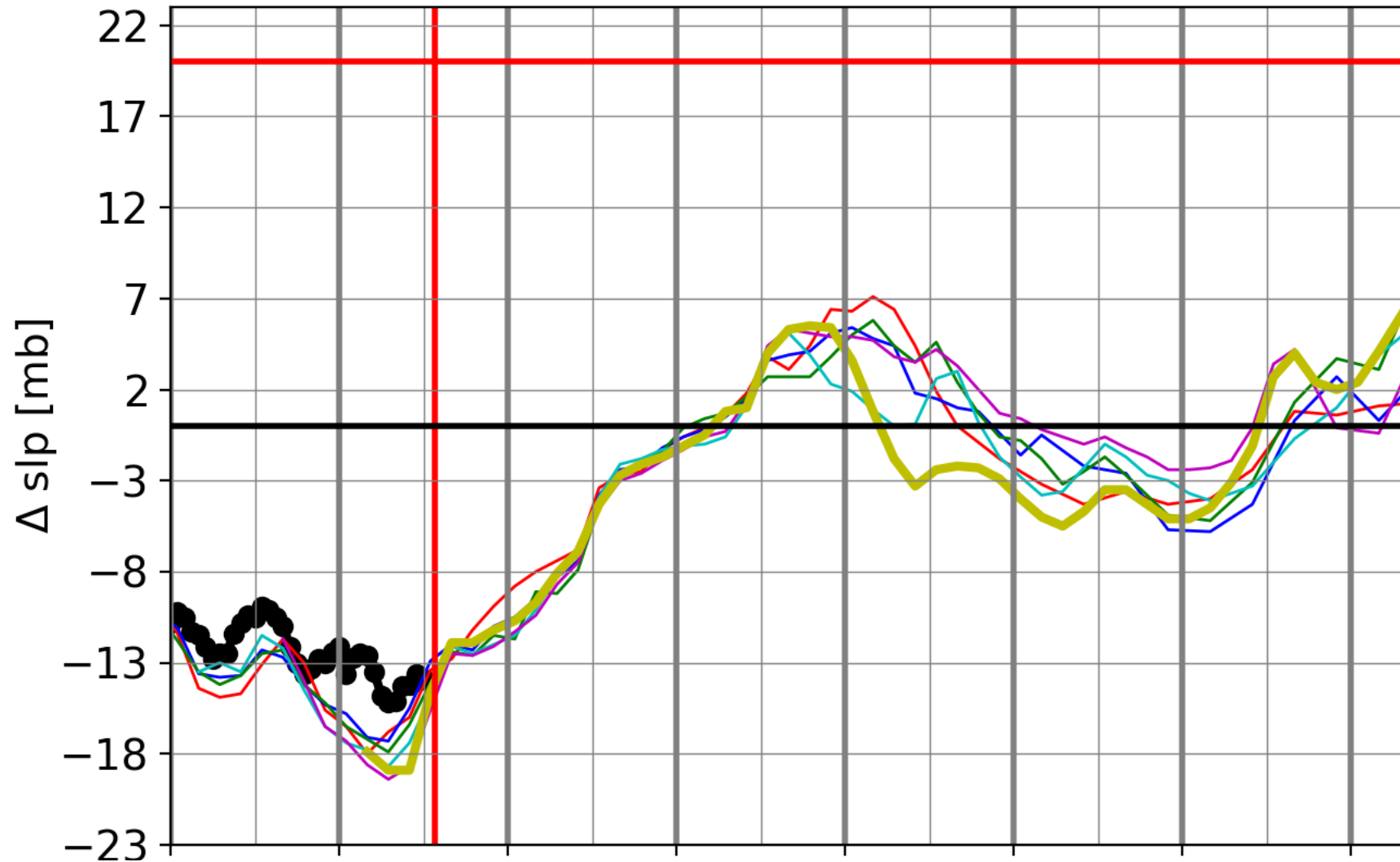
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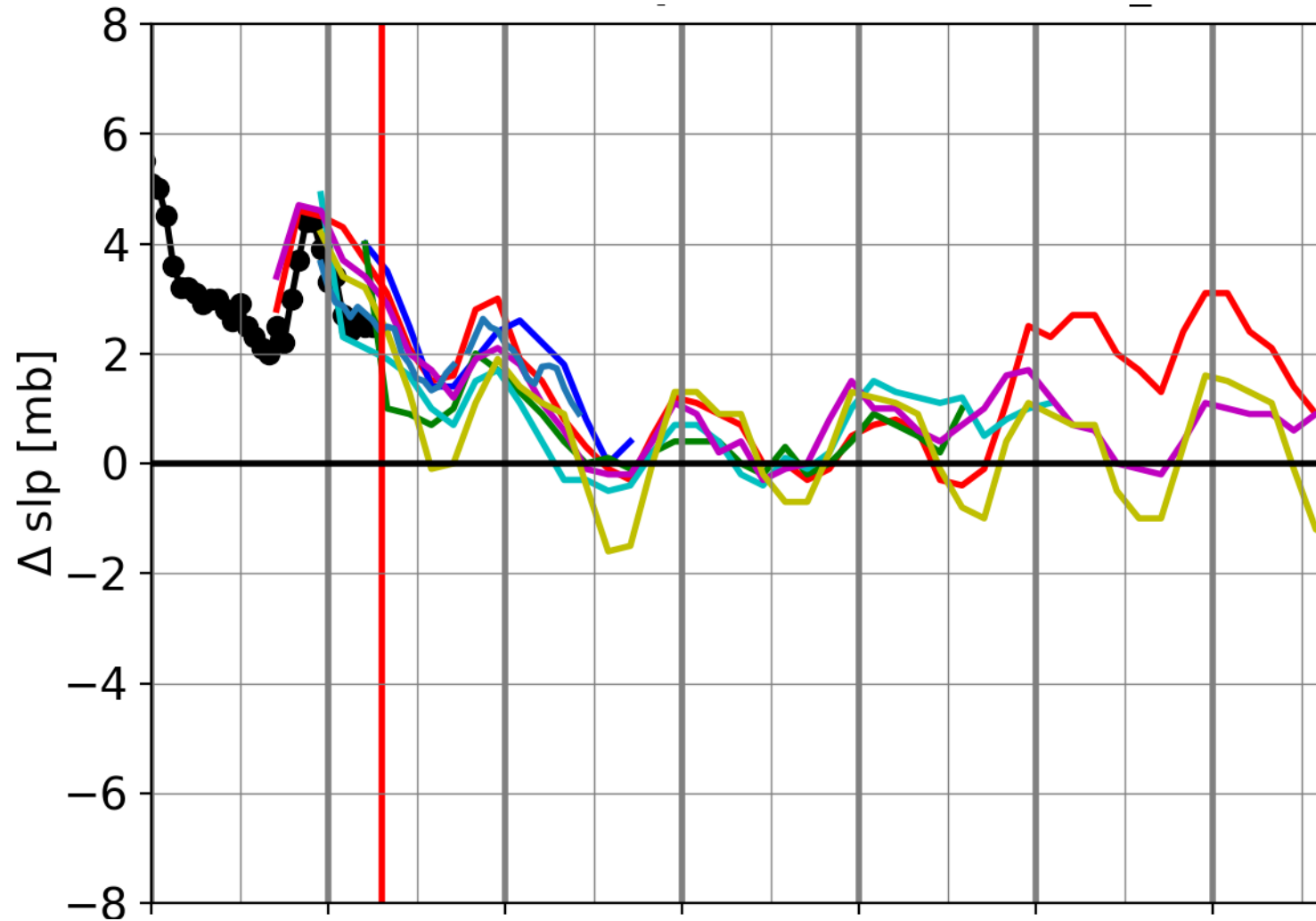
## SFO-WMC





# DRILL – 2022 PSPS TTX Exercise

## RDD-SAC







# DRILL – 2022 PSPS TTX Exercise

TPs 1, 2, 3, 4, 5, 6, 10, 11, 12,  
13, 14, 15

End

0700 – Friday, June 17

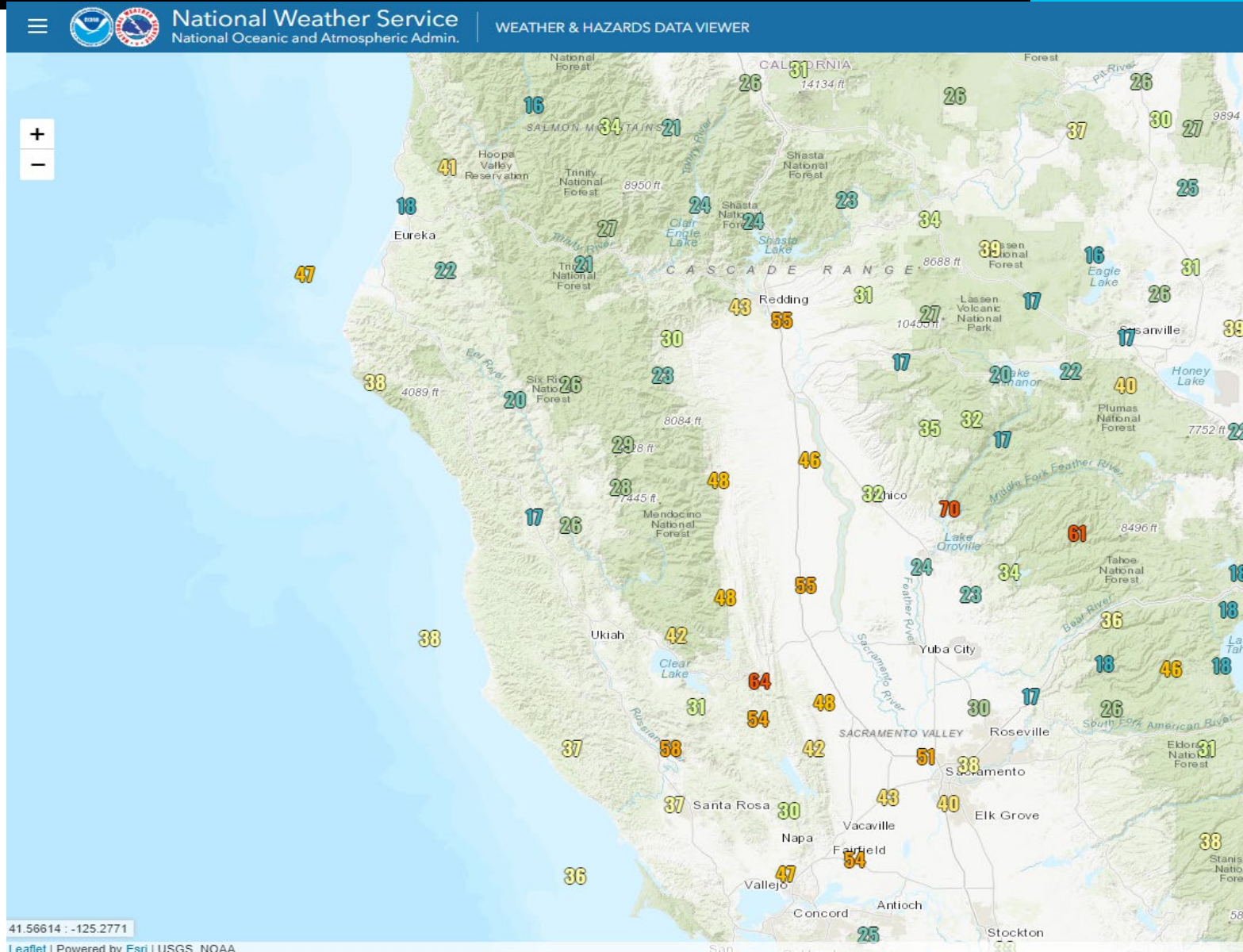






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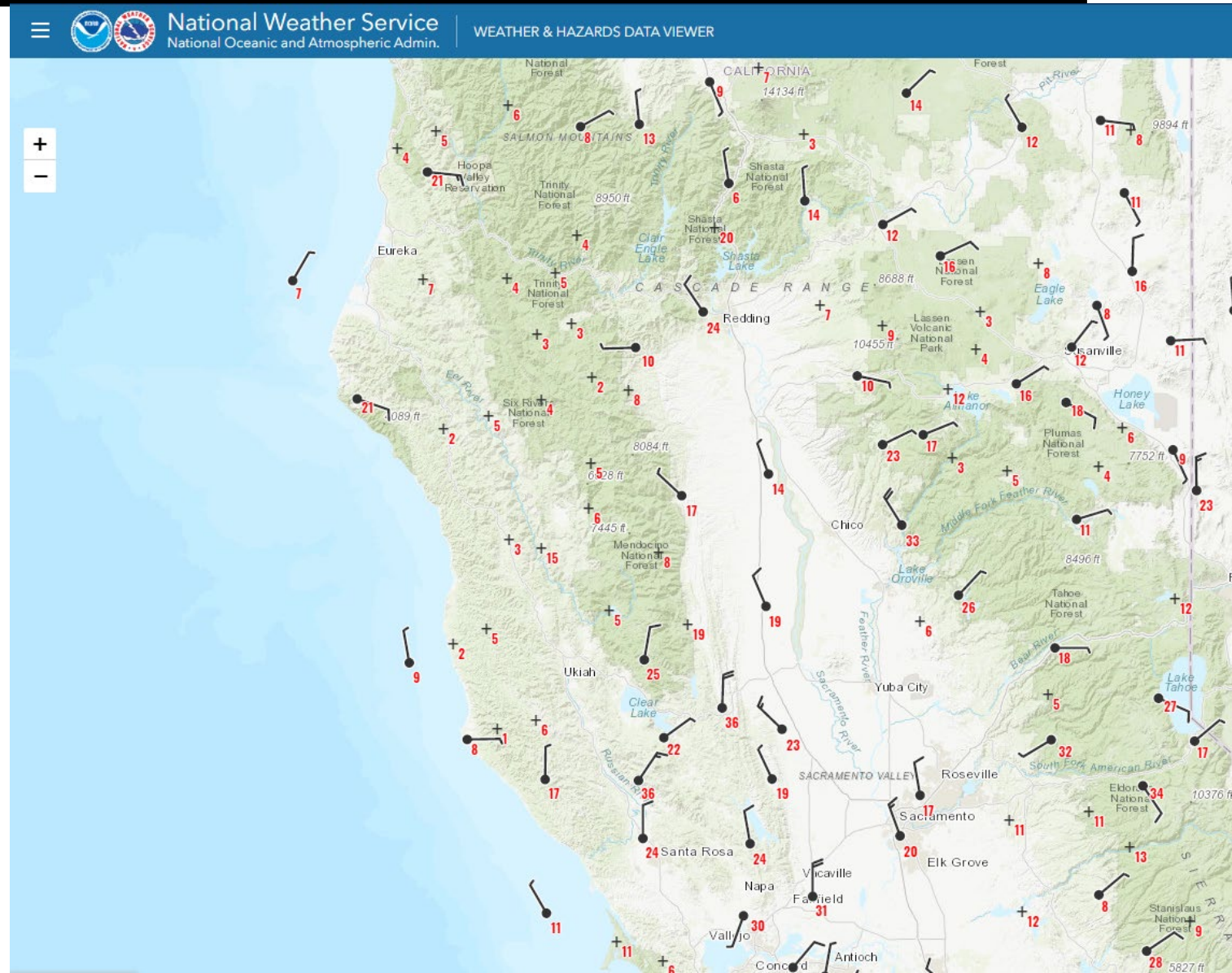
Highest wind gust since  
midnight





# DRILL – 2022 PSPS TTX Exercise

Current wind  
observations

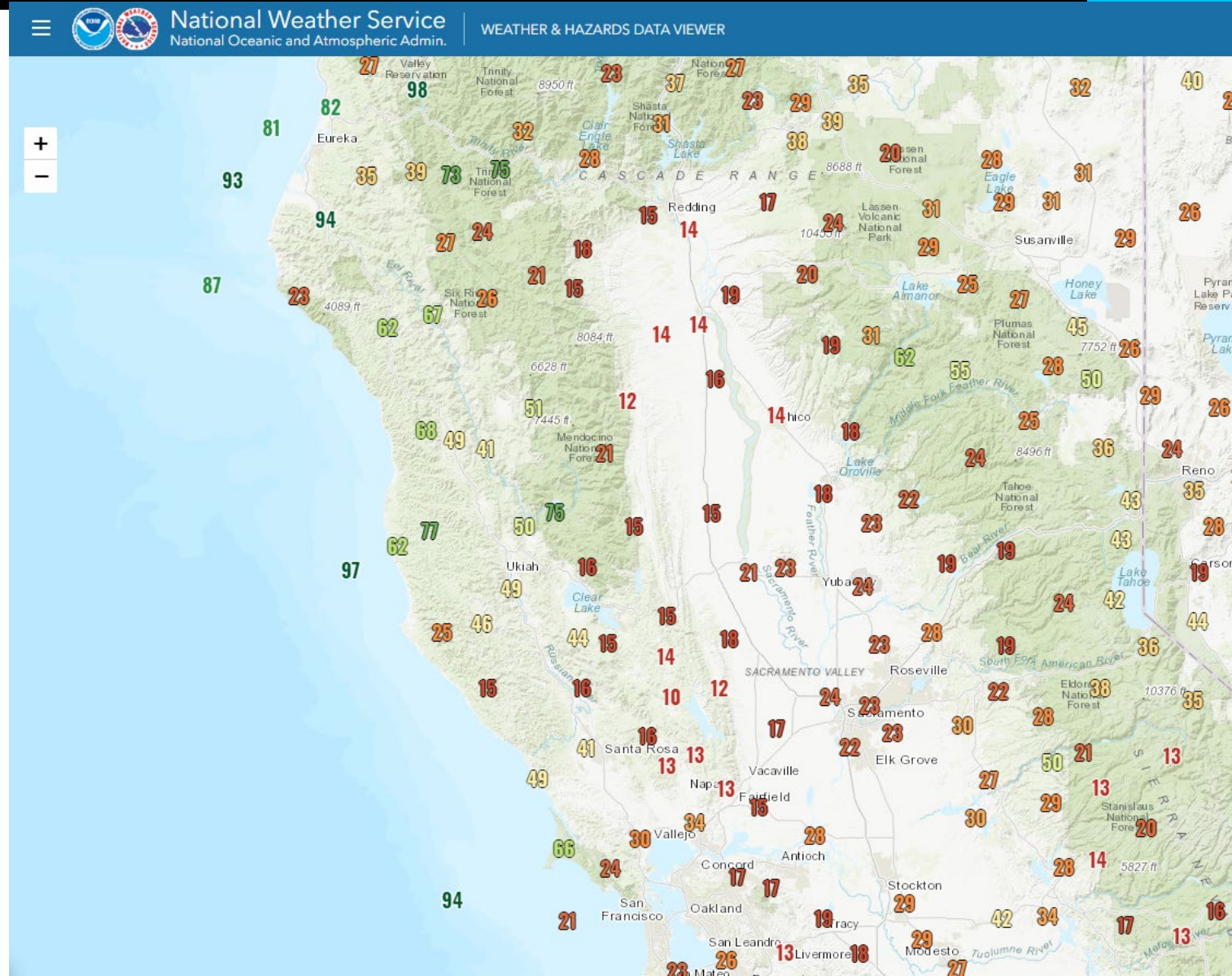






# DRILL – 2022 PSPS TTX Exercise

## Relative Humidity







# DRILL – 2022 PSPS TTX Exercise

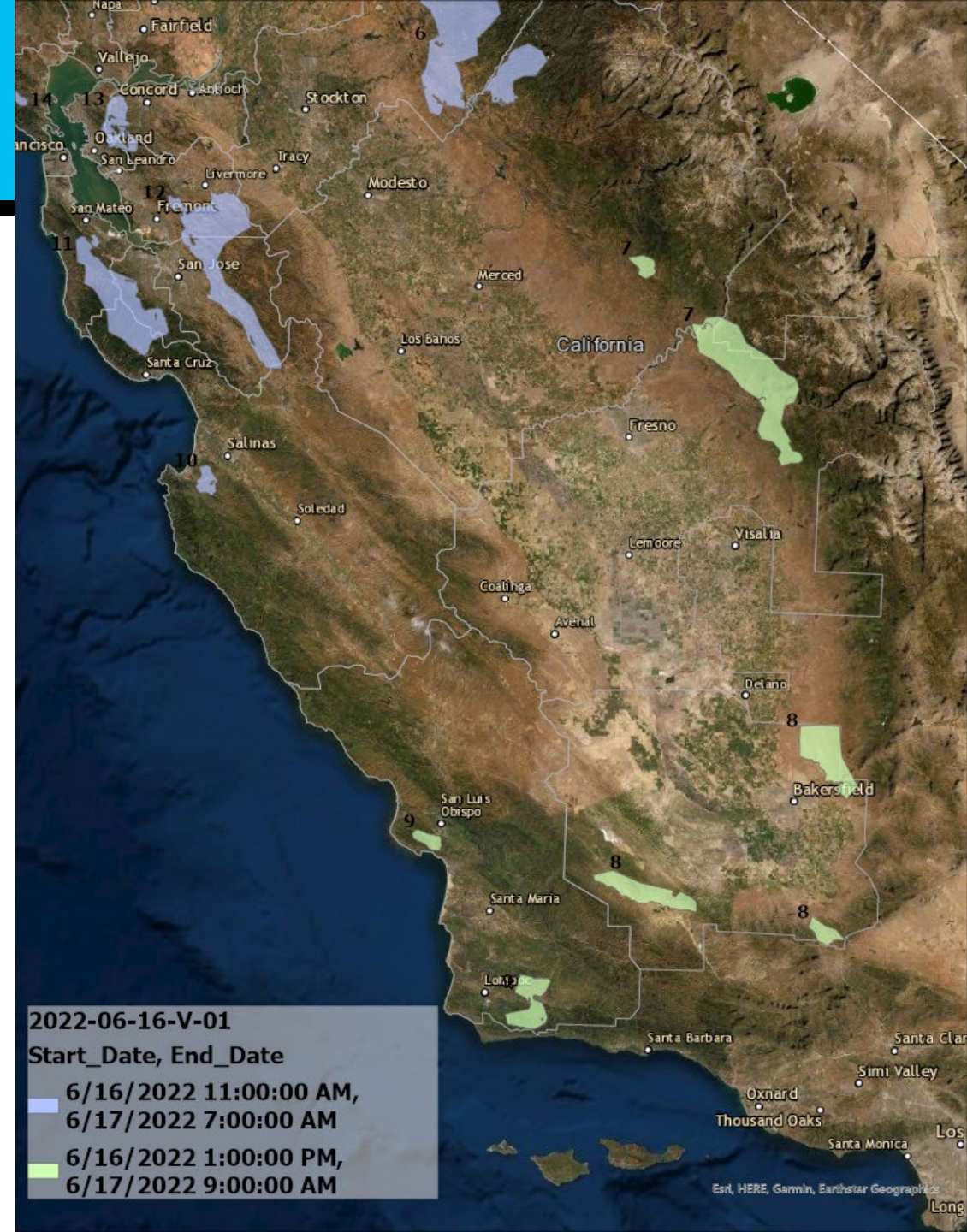
TPs 7, 8, 9

Start

1300 – Thursday, June 16

End

0900 – Friday, June 17



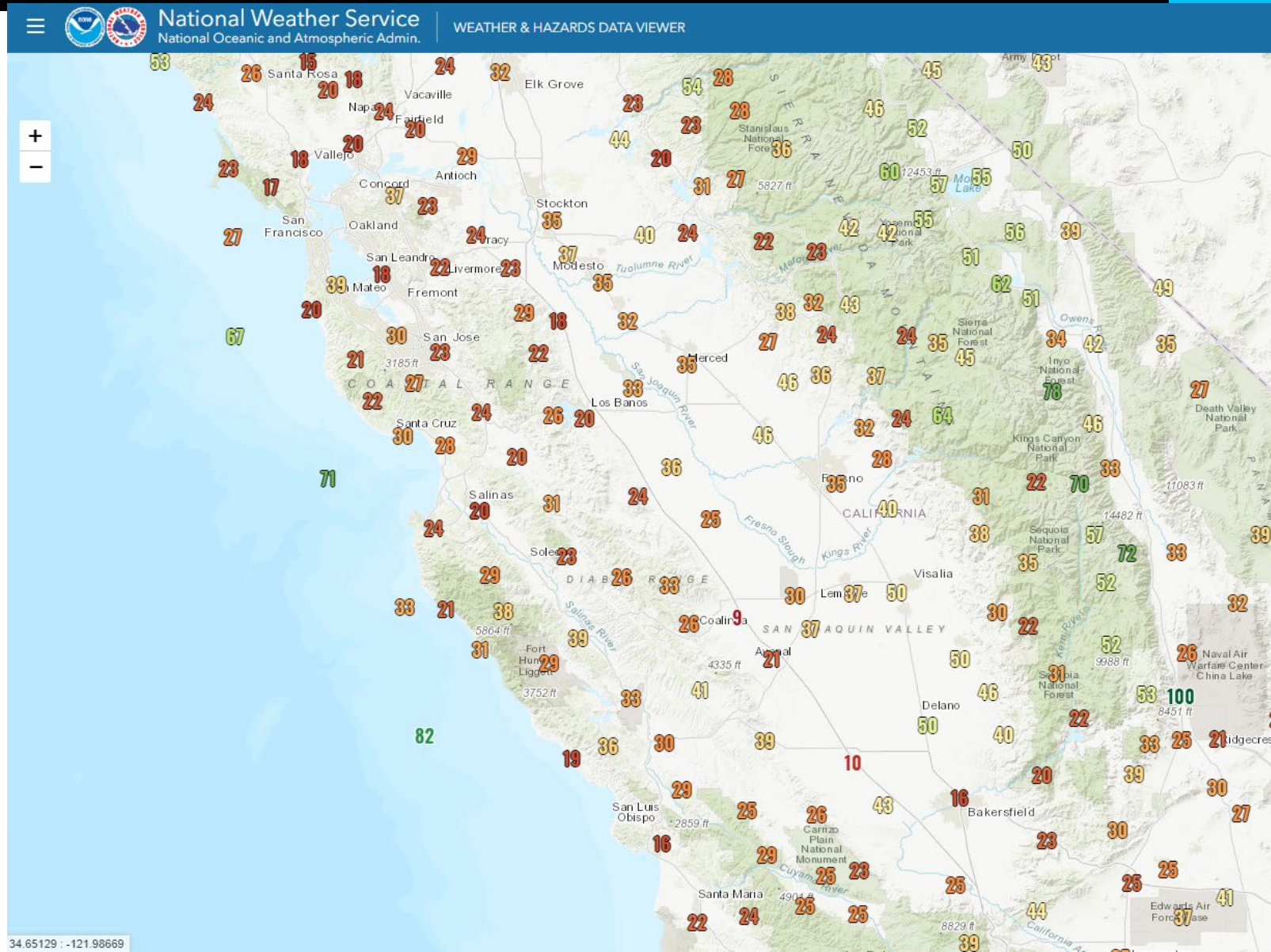






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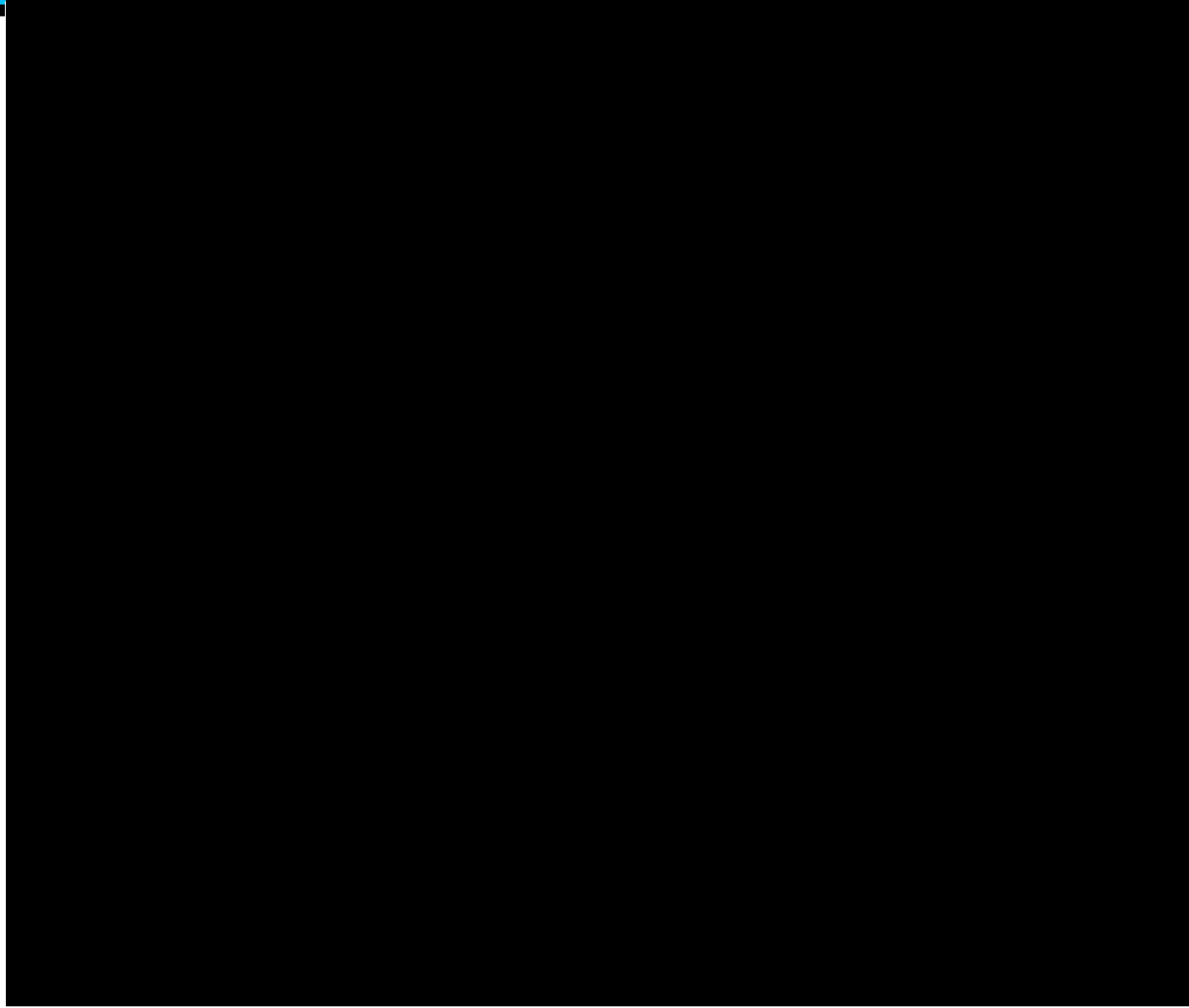
## Relative Humidity





# DRILL – 2022 PSPS TTX Exercise

DSO SOPP  
Forecast







## M4 Facilitated Discussion: All-Clear; Patrol & Restoration

Q. What Playbook is implemented during the All-Clear, Patrol & Restoration Phase of a PSPS Event? When is this Playbook expected?

Q: If a circuit is incorrectly given an “all-clear” and has already been restored, what is the process of mitigation?

Q. What are the most critical messages sent to agencies, customers and the public during this time frame, and how is that message sent?

Q. Once the all-clear is given, describe the IT Branch’s priorities and key activities.





## M4 Facilitated Discussion: All-Clear; Patrol & Restoration

---

Q. What is the process of activating the Legal Officer if one is needed?

Q. What are some of the Finance Branch's priorities during this phase?

Q: If Mutual Assistance Crews are activated for a PSPS Event, what is the process of releasing them back to their home territories?

Q. As SIPT Engines are released from Field Weather Observation assignments, what is the process for SIPT crews to be assigned to step restoration at the OEC level?

Q: Does TD-1464S mitigation still have to take place during step restoration?



## M4 Facilitated Discussion: All-Clear; Patrol & Restoration

---

Q. How is the “All-Clear” message communicated to Notification and OMT Hawks to minimize cascading delay and expedite restoration?

Q. What is the Damage Documentation process? How is damage reported to ensure timely restoration and mitigation?

Q: How does the Communications Sequence adapt when Time-Places have staggered start and end times?



## M4 Facilitated Discussion: All-Clear; Patrol & Restoration

---

Q. What steps does the Logistics Section take to close out its response to a PSPS Event?

Q. A member of a Tribal Board of Supervisors calls and wants to know how much damage has occurred to their portion of the electrical grid. They also request coordination to ensure that historical and culturally sensitive areas of their nation are not disturbed. How would PG&E support this effort?

**Conclusions**

**Hot Wash**



# Closing Remarks

# 2022 Public Safety Power Shutoff Tabletop Exercise

## Emergency Preparedness & Response Strategy & Execution

May 17th, 2022

