



California ISO



RC West

2025-2026 RC West Winter Readiness

RC West
October 2nd 2025


Agenda

- Welcome
- Weather Forecast – Jessica Stewart
- RCWEST Winter Readiness – Raj Thappetaobula
- Wildfire Forecast and Preparedness - CalFire
- Natural GAS Coordination
- EIM Market Reminder- Cheri Pryor
- WECC Winter Readiness

Housekeeping reminders

- This call is being recorded for informational and convenience purposes only. Any related transcriptions should not be reprinted without permission from RC West.
- This collaborative meeting is intended to stimulate open dialogue and engage different perspectives.
- Please keep comments professional and respectful.
- Please try and be brief and refrain from repeating what has already been said so that we can manage the time efficiently.

Instructions for raising your hand to ask a question

- Click on the raise hand icon  at the bottom of your screen.
 - NOTE: If you dialed into the call outside of Webex, press *3 to get into the question queue.
- If you would like to view attendees, refresh your screen and open the “Intellor Transparency Viewer” at the bottom right of your screen.
- Closed captioning is now available by clicking the “CC” button on the bottom left of your screen.
- Please remember to state your name and affiliation before making your comment.
- You may also send your question via chat to **all panelists**
- If you need technical assistance during the meeting, please send a chat to the event producer **@Intellor Events**.



California ISO | RC West

2024-2025 Summary of RC West Winter Operations

2025-2026 RC West Winter Readiness

- 2024-2025 winter operations had unique operational challenges.
 - Cold weather-related operational challenges and fire related operational challenges within the month of January 2025.
 - PNW Cold Weather Event during January 19 – 21, 2025 which resulted in south to north flows transmission overloads in path 80 and also Path31 overloads.
 - Multiple fires (Palisades/Eaton/Hurst) resulted in operational challenges in southern California.
 - Good coordination and communication between TOP Operators and RC operators to mitigate the operational challenges.
 - RCWEST footprint peak load occurred on Jan 22nd ~92322 MW



California ISO



RC West

2025-2026 Winter Meteorological Outlook

Jessica Stewart

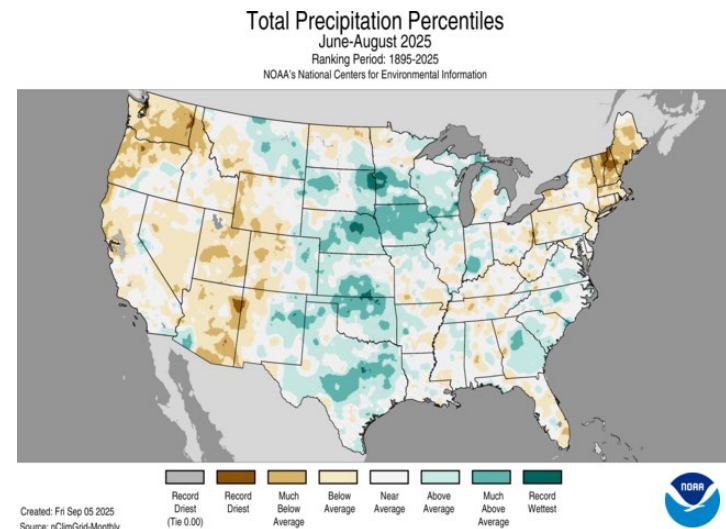
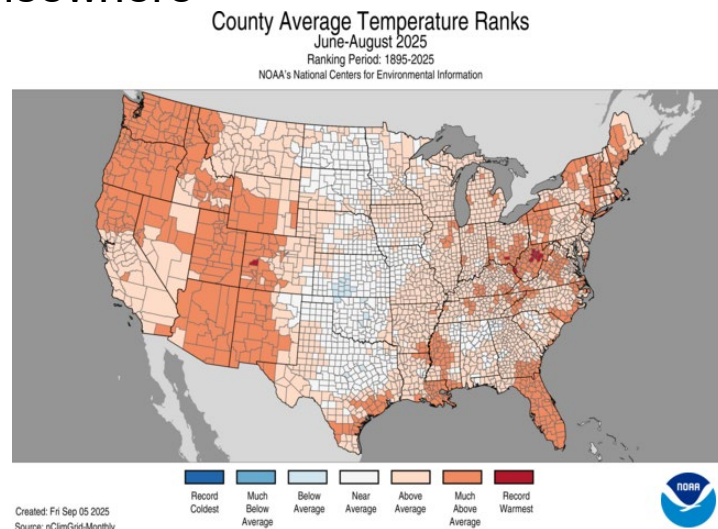
Senior Energy Meteorologist

Operational Forecasting

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OPERATIONALLY AFFECTED PARTIES

2025 Summer Observations

- CAISO
 - Highs 1.5°F **below** normal; lows 1°F **above** normal
- WEIM
 - Pac NW entities had most extreme and widespread departures above normal
 - Desert SW entities had below normal June, July, above normal August
- Above average monsoon for Sonoran Desert and NM, below normal elsewhere

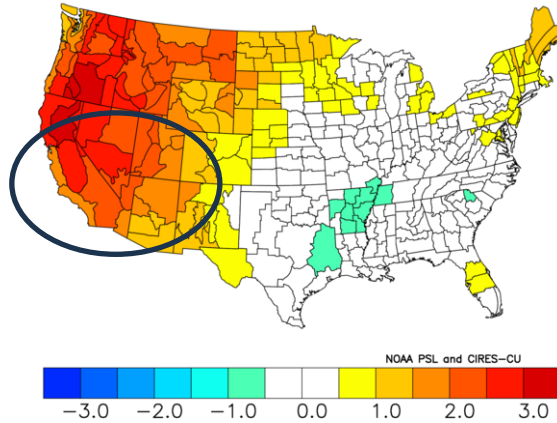


Summer 2025 forecast verified well versus forecast

Forecast

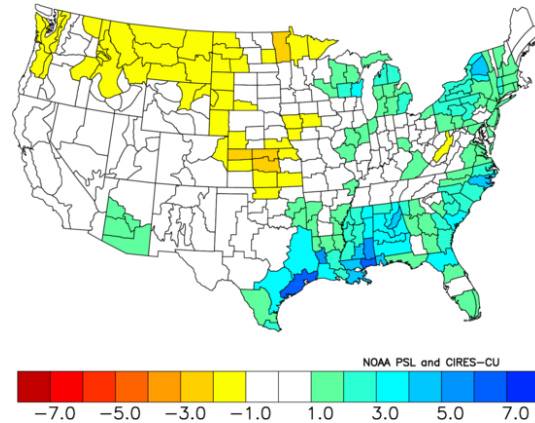
Temperature

NOAA/NCEI Climate Division Composite Temperature Anomalies (F)
Jun to Aug 2024, 2024, 2021, 2021, 2017, 2014, 2003
Versus 1991–2020 Longterm Average



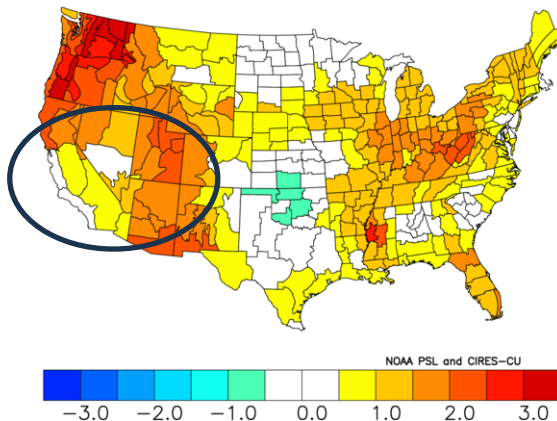
Precipitation

NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)
Jun to Aug 2024, 2024, 2021, 2021, 2017, 2014, 2003
Versus 1991–2020 Longterm Average

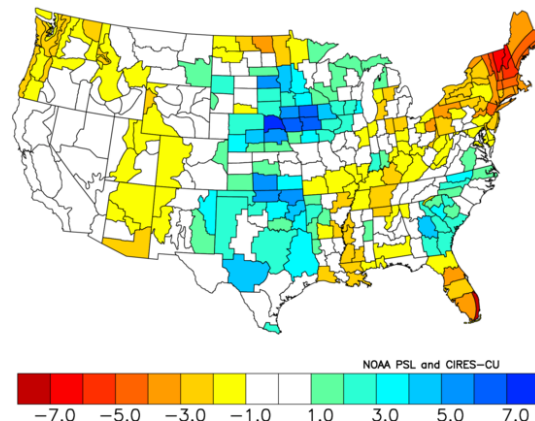


Observation

NOAA/NCEI Climate Division Temperature Anomalies (F)
Jun to Aug 2025
Versus 1991–2020 Longterm Average



NOAA/NCEI Climate Division Precipitation Anomalies (in)
Jun to Aug 2025
Versus 1991–2020 Longterm Average



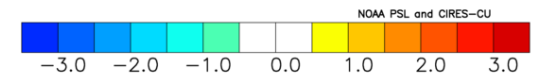
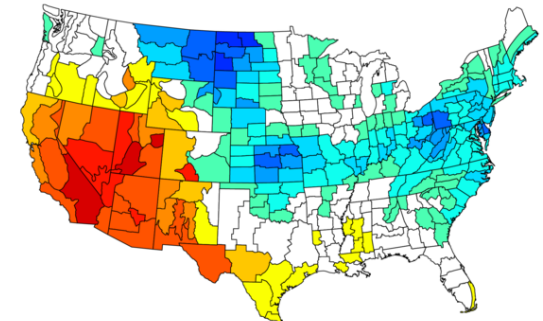
Winter 2025 Overview

- Above average temperatures across California and much of the west
- Below average or average precipitation

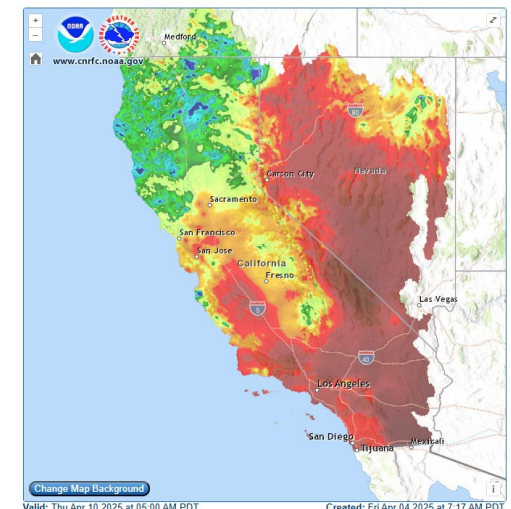


Temperature

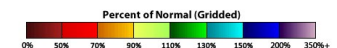
NOAA/NCEI Climate Division Temperature Anomalies (F)
Dec to Feb 2024–25
Versus 1991–2020 Longterm Average



Precipitation



Valid: Thu Apr 10 2025 at 05:00 AM PDT Created: Fri Apr 04 2025 at 7:17 AM PDT

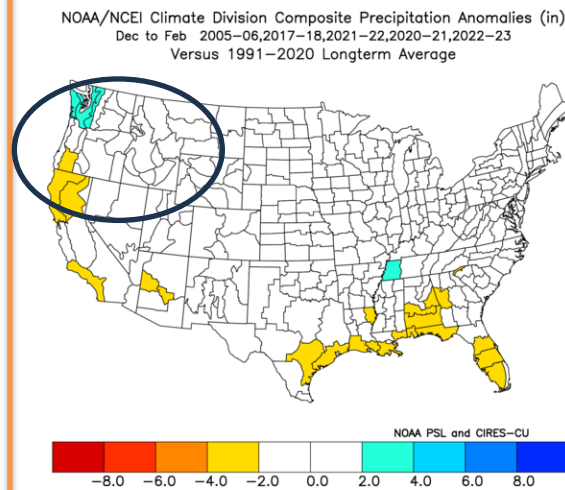
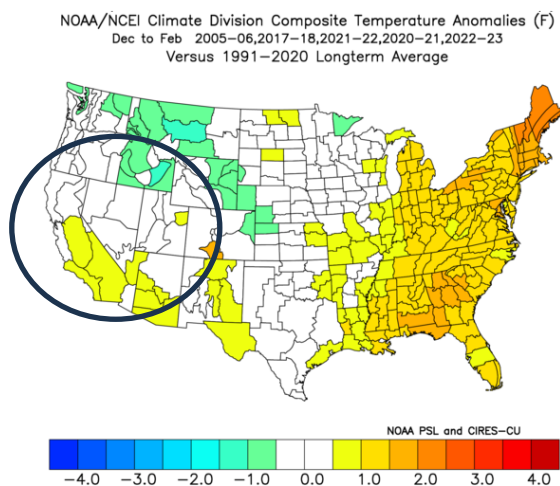


Winter 2024-2025 forecast was cooler and drier than Observations

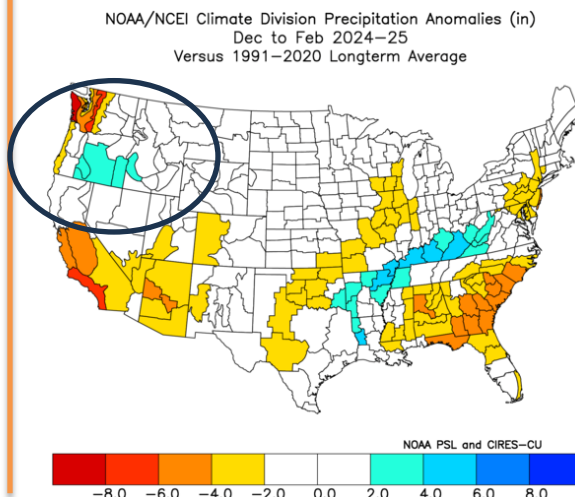
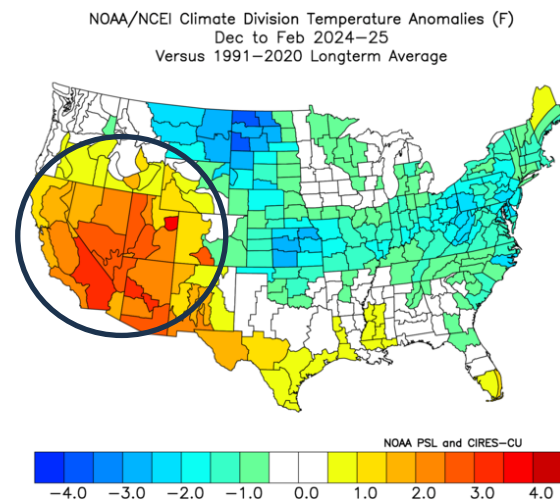
Temperature

Precipitation

Forecast

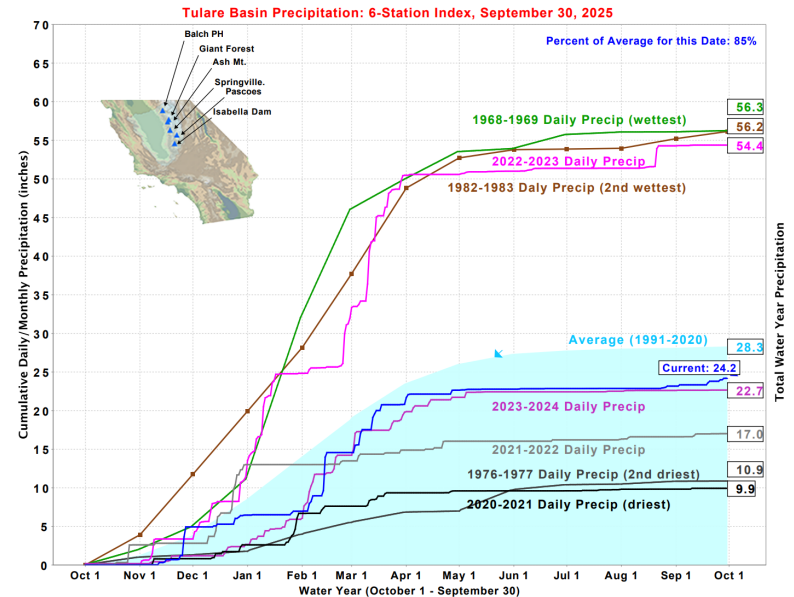
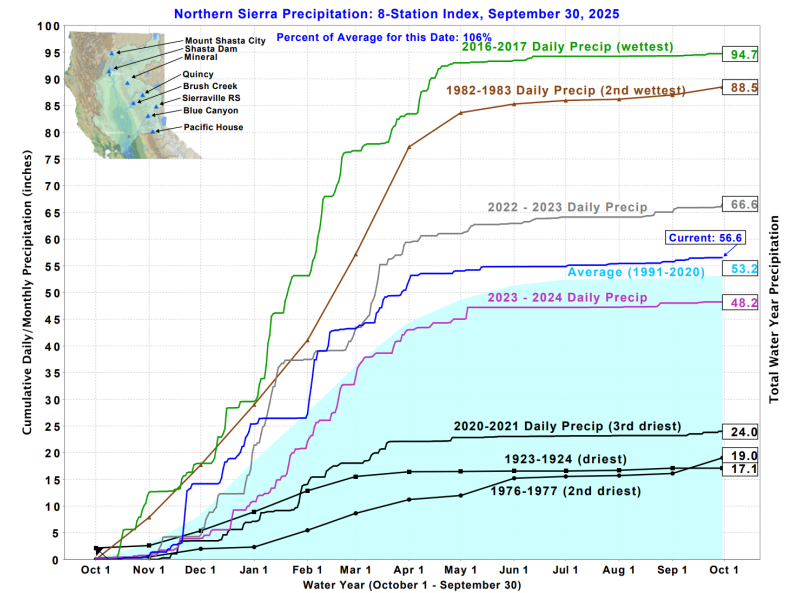
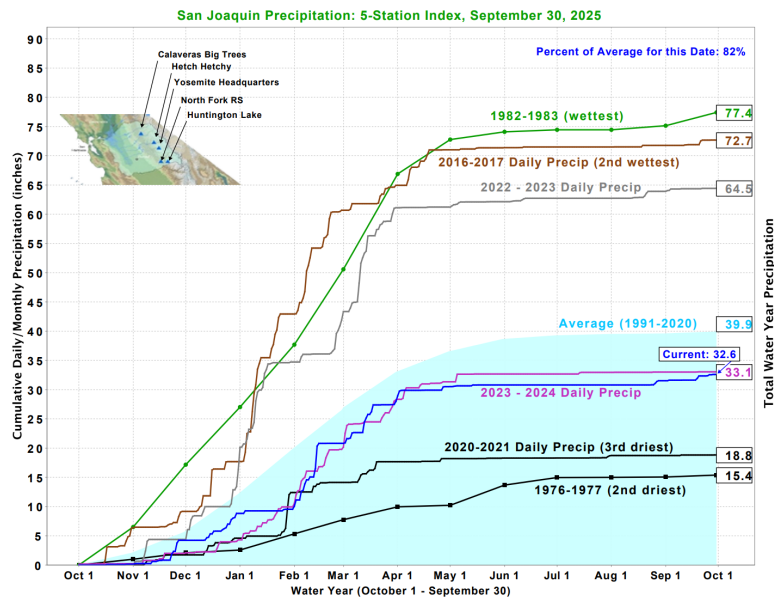


Observation



2024-2025 Water Year (WY)

- Water year October 1 – September 30
- Statewide precipitation at of end of 2024-2025 water year 91% of normal



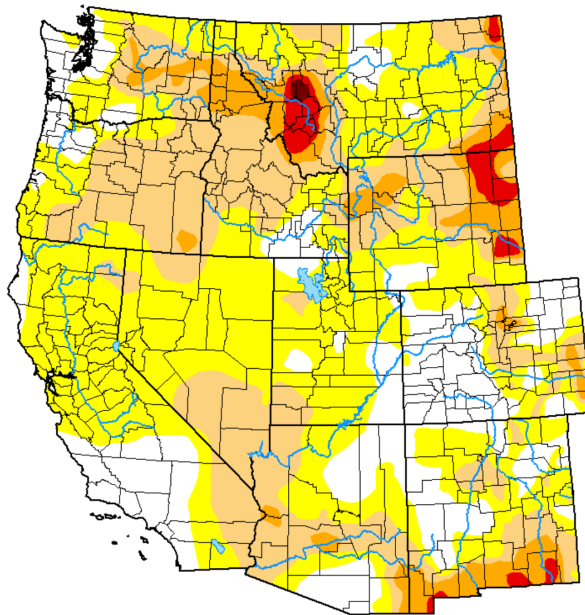
Drought worsened over California and the west between 2024 and 2025

Drought Classification

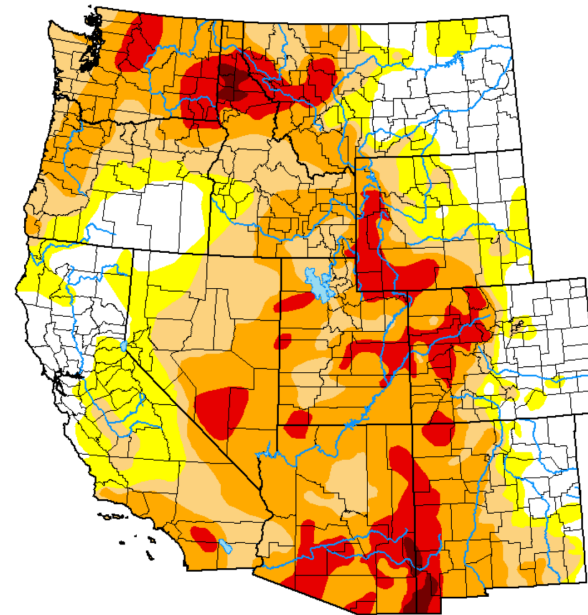
None
D0 (Abnormally Dry)
D1 (Moderate Drought)
D2 (Severe Drought)

D3 (Extreme Drought)
D4 (Exceptional Drought)
No Data

2024



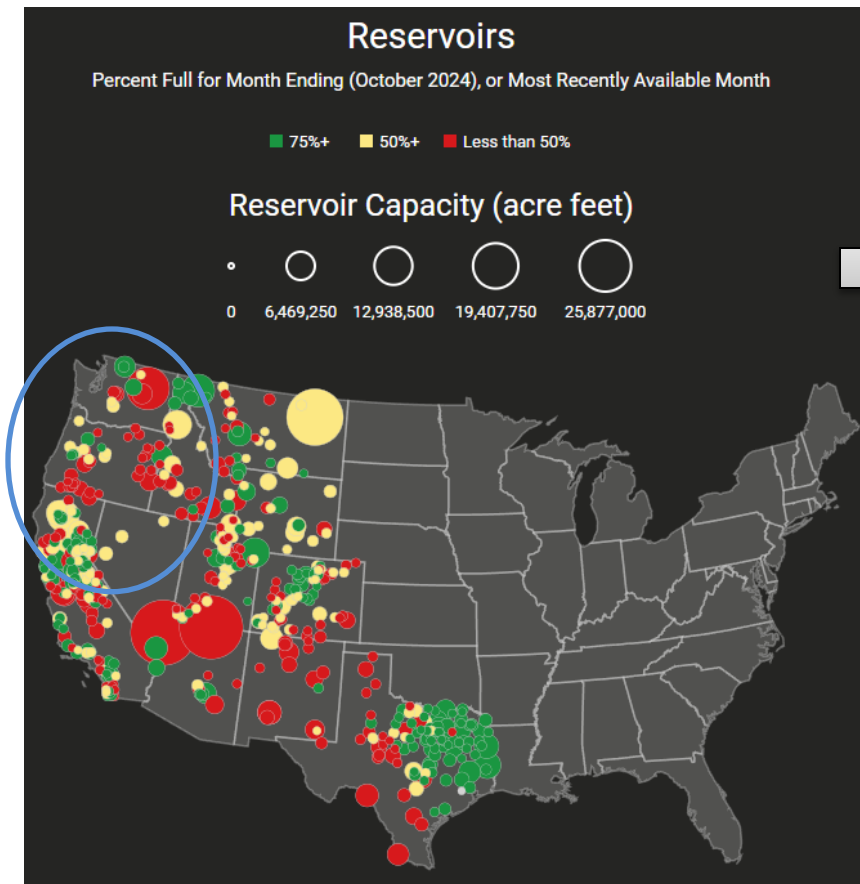
2025



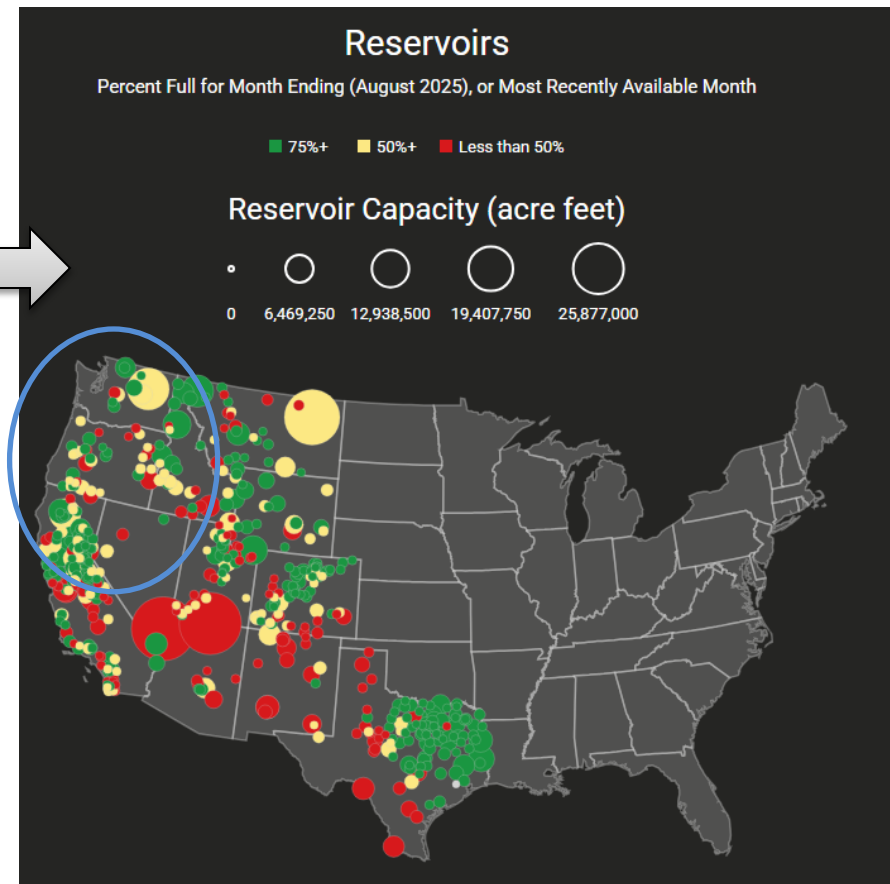
Maps as of September 23, 2025

Reservoir levels have improved from last year for NorCal and the Pac NW

2024

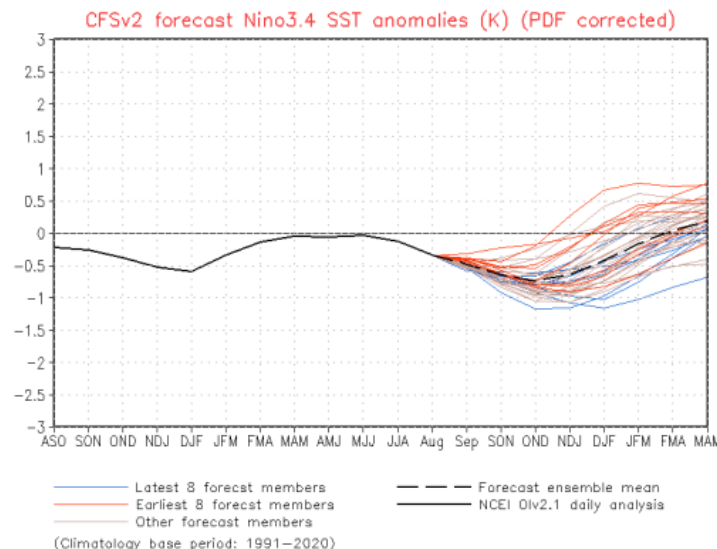


2025



Inputs into the winter forecast

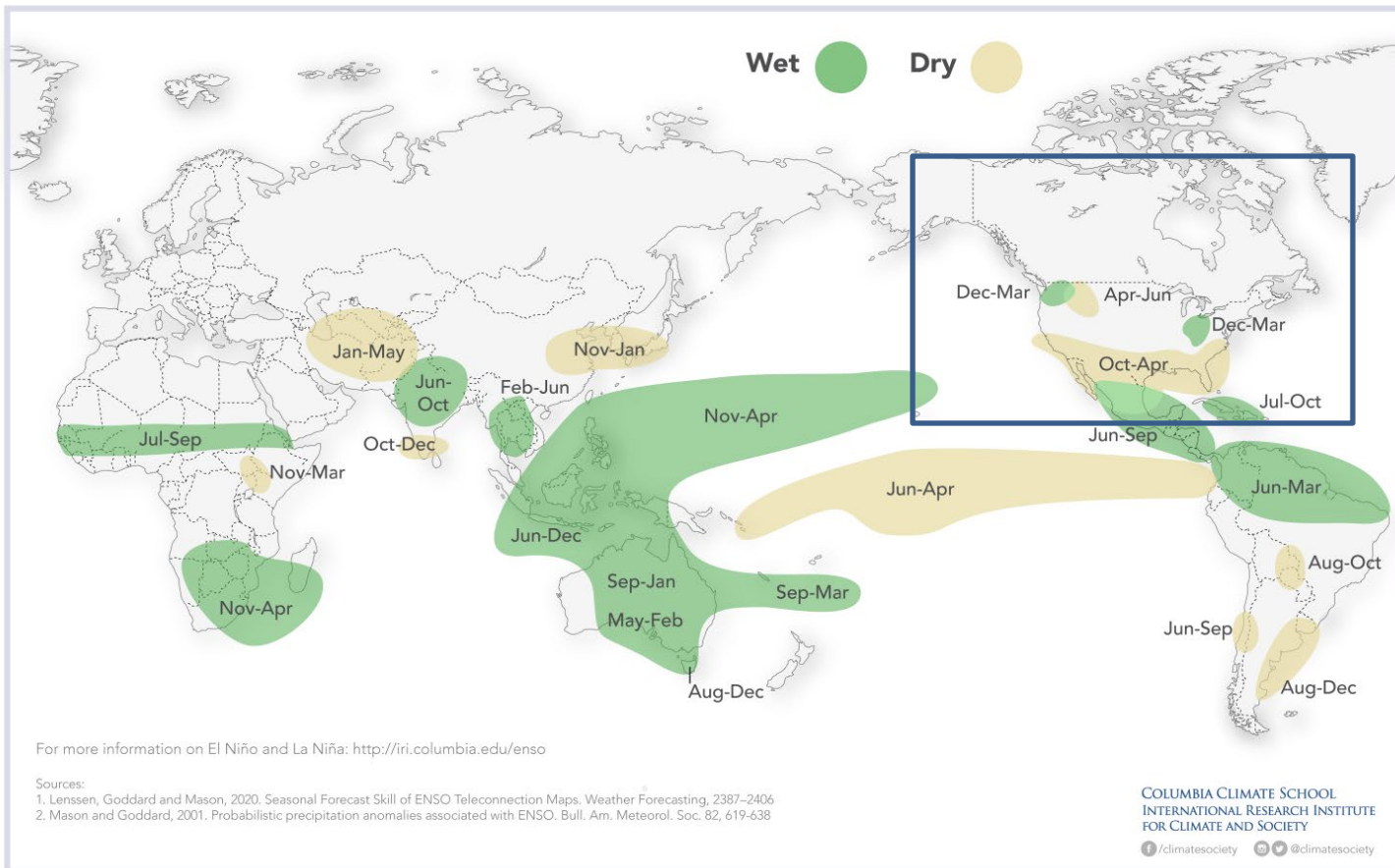
- Sea surface temperatures (SSTs) are continuing to lower across most of the Equatorial Pacific Ocean
- 71% chance of current ENSO-Neutral to transition to La Nina October - December
 - La Nina has 54% chance to persist through February
- Weak La Nina still likely to give conventional La Nina impacts



La Nina expected to develop and persist through Winter

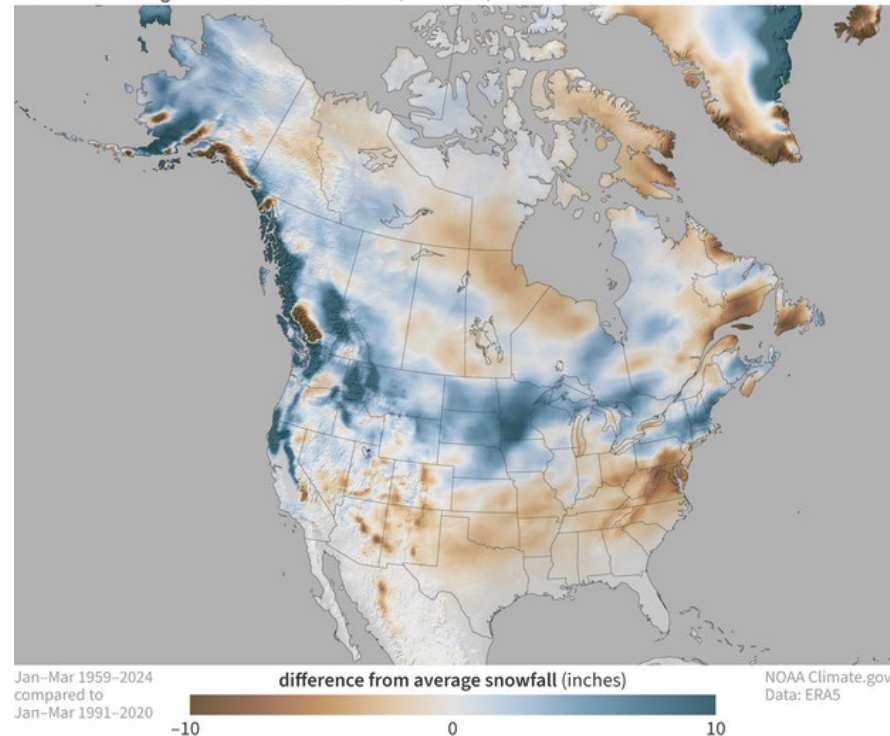
LA NIÑA AND RAINFALL

La Niña conditions in the tropical Pacific are known to shift rainfall patterns in many different parts of the world. The regions and seasons shown on the map below indicate **typical** but not guaranteed impacts of La Niña.

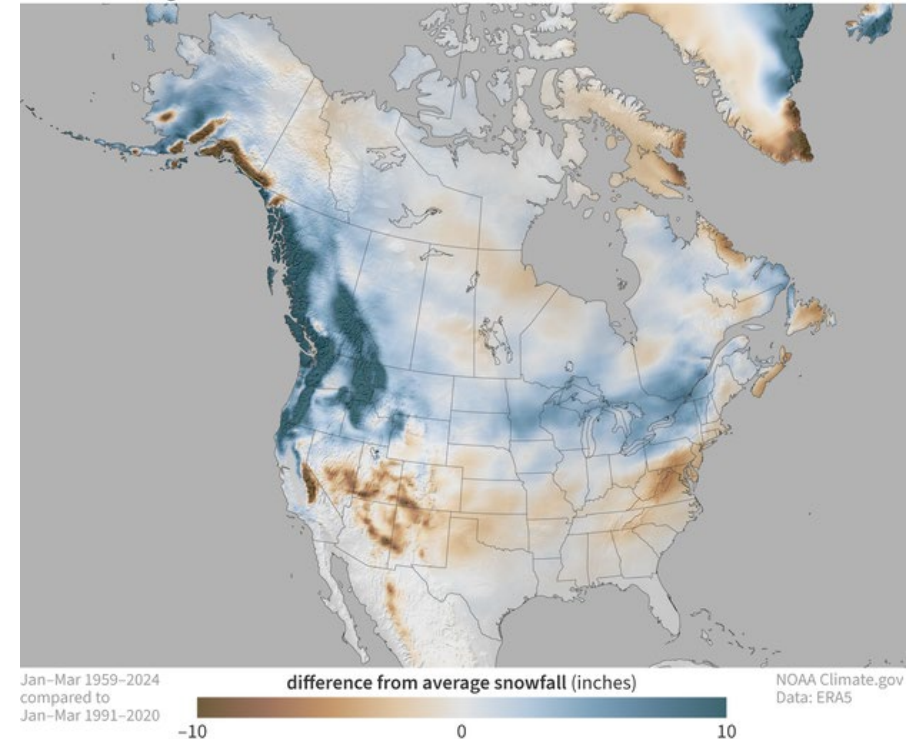


The stronger the La Nina signal, the lower the chance California has to see above average snowfall

Snowfall during weak La Niña winters (Jan-Mar)



Snowfall during all La Niña winters (Jan-Mar)

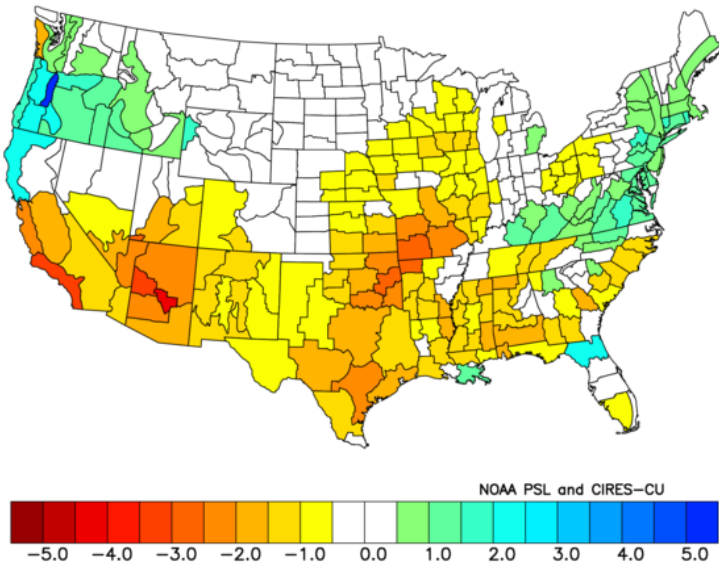


Similar years temperature and precipitation anomalies

- Look at ENSO, other atmospheric teleconnections and SSTs to produce analog years

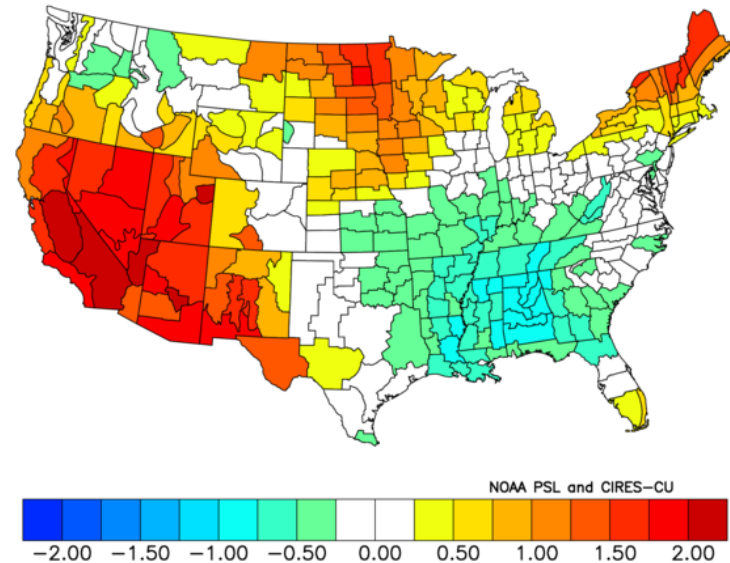
Precipitation

NOAA/NCEI Climate Division Composite Precipitation Anomalies (in)
Dec to Feb 2013–14, 2005–06, 2023–24, 2024–25
Versus 1991–2020 Longterm Average



Temperature

NOAA/NCEI Climate Division Composite Temperature Anomalies (F)
Dec to Feb 2013–14, 2005–06, 2023–24, 2024–25
Versus 1991–2020 Longterm Average



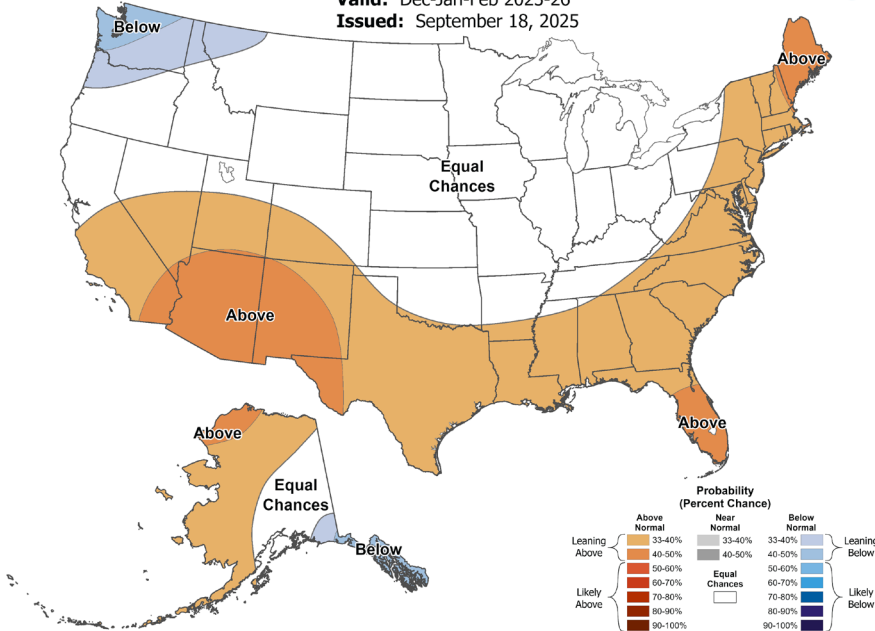
Winter Temperature Outlook

Dec – Feb

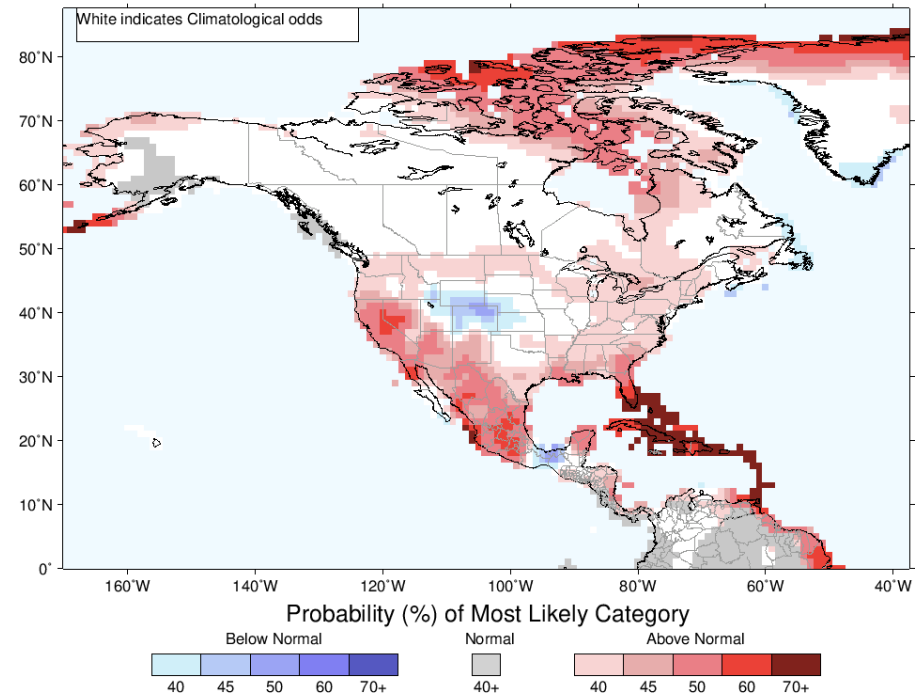


Seasonal Temperature Outlook

Valid: Dec-Jan-Feb 2025-26
Issued: September 18, 2025



IRI Multi-Model Probability Forecast for Temperature for December–January–February 2026, Issued September 2025



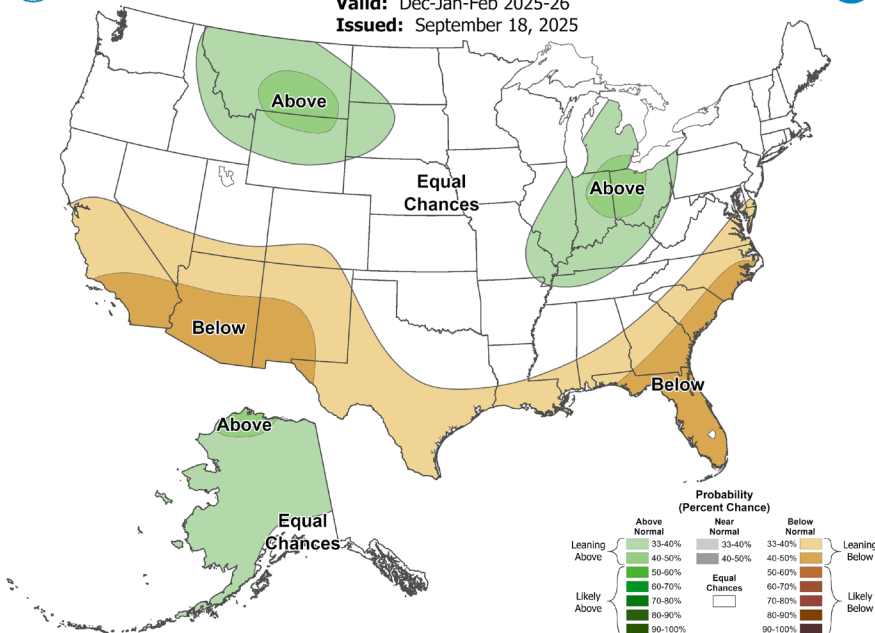
Winter Precipitation Outlook

Dec – Feb

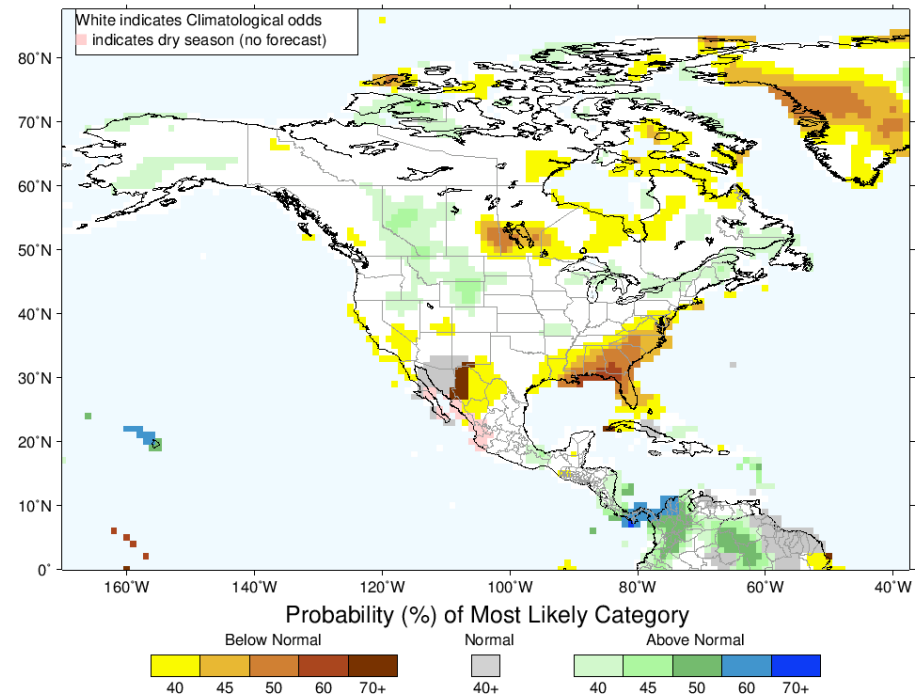


Seasonal Precipitation Outlook

Valid: Dec-Jan-Feb 2025-26
Issued: September 18, 2025



IRI Multi-Model Probability Forecast for Precipitation for December-January-February 2026, Issued September 2025





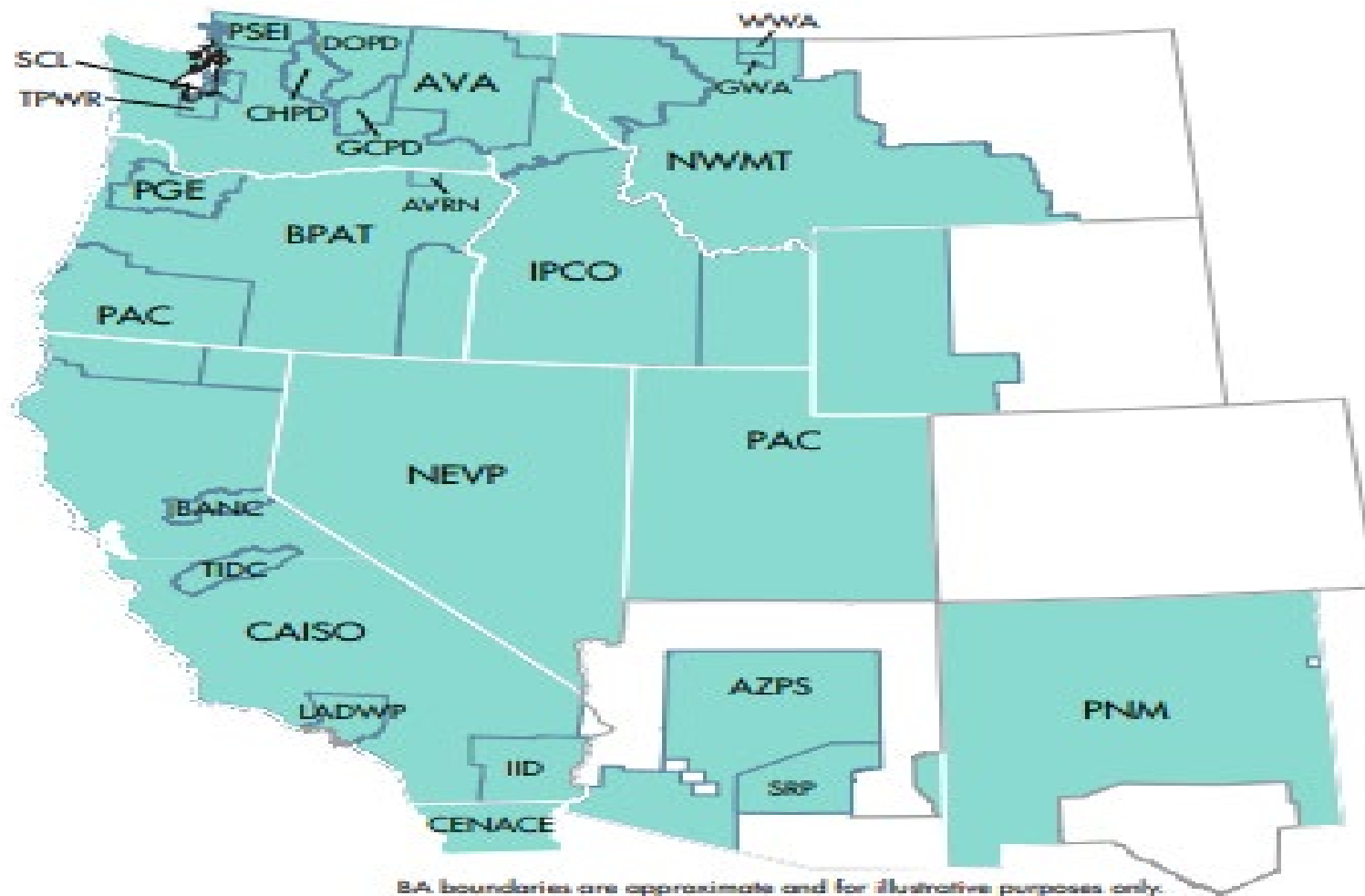
California ISO



RC West

RC West TOP's Winter Transmission Assessment Overview and TTC Updates

RCWEST TOP's



2025-2026 RCWEST TOP's Winter Assessment

- The subregional study groups, and the TOPs that comprise the subregional study groups, in consultation with the RC, have performed the seasonal studies in preparation for the upcoming winter operations.
- RCWEST pre and post contingency thermal and voltage performance criteria is evaluated against stressed winter conditions.
- RCWEST transient performance criteria is also evaluated.
- Mitigation plans are developed and coordinated with RCWEST for any issues identified.

TOP's Winter assessment Studies:

- RCWEST evaluated Winter assessment study results that TOP performed and submitted on RC portal.
- No major thermal issues that will have adverse impact on Winter reliability have been identified.
- Identified system operating limits have appropriate mitigation plans and operating procedures.
- System has adequate reactive margins to manage voltages.
- Adequate Load serving capability for expected peak conditions.

TOP's Winter assessment Studies:

- COI North to south TTC has been increased to 5100 MW on 4/1.
 - This is an increase from the previous 4800 MW.
 - TTC is updated on demand due to system outages.

Winter 2025-2026		
Studied Path Limits & TTC Values for the COI		
Path	Path SOL	Path TTC
COI (N-S)	None	5100 MW
COI (S-N)	None	3675 MW

TOP's Winter assessment Studies:

- Due to planned Fern road construction project there would be outage related TTC derates on COI (exact outage dates are not known yet)
- Path 66 COI TTC: N-S: **3500 MW** S-N: **2440 MW**

RC West Predefined IROLs

- NW Washington Import IROL (RC9110)
- Oregon Export IROL (RC9120)
- No new IROL's have been identified from winter assessment.
- RCWEST has appropriate tools and procedures to manage existing IROL's.



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RC West Winter Readiness

Northwest Pipeline

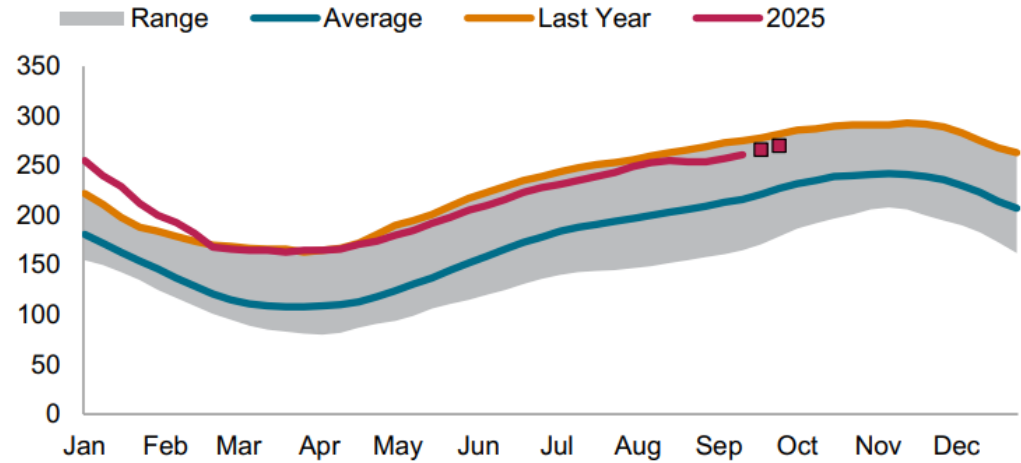
October 2, 2025



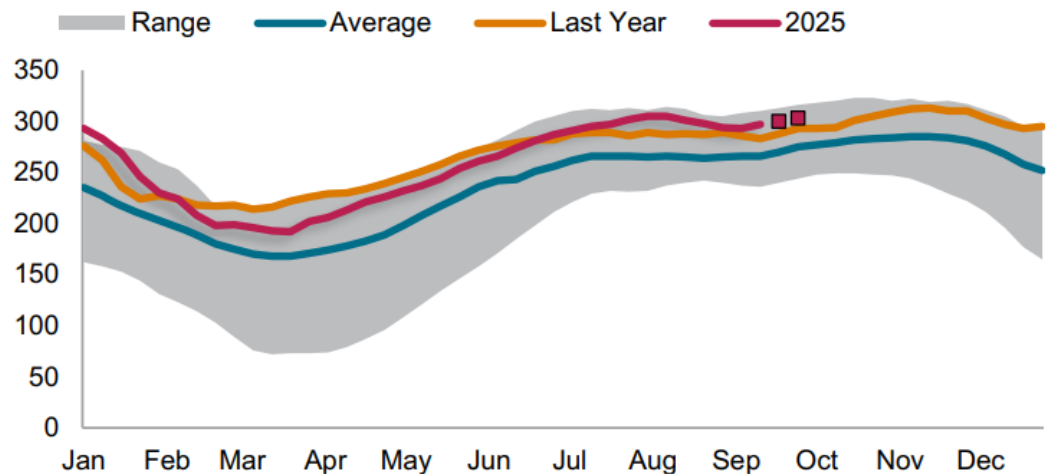
West natural gas storage inventory above average, mixed compared to last

- Through September 19, EIA reports Lower 48 natural gas storage inventory is inline compared to last year and 6% above the 5-year average
- The Mountain region is 20% above 5-year average and 4% below last year
- Pacific region is 11% above the 5-year average and 4% above last year
- All EIA regions are above the 5-year average
 - In May, only Pacific and Mountain regions were above
- East, Midwest, and Mountain are below year ago levels
 - In May, all regions were below

Mountain region storage inventories (Bcf)



Pacific region storage inventories (Bcf)

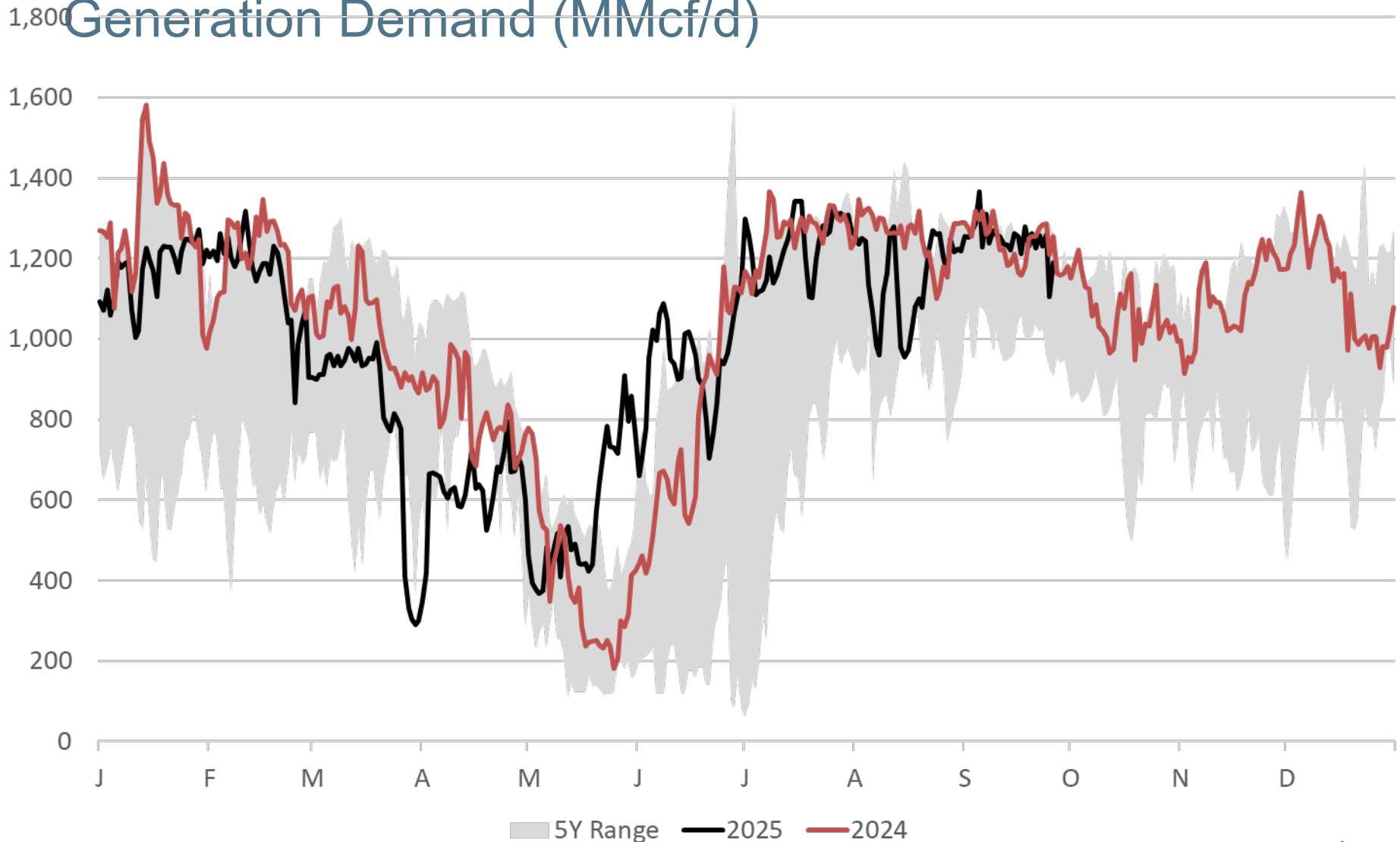


Data compiled September 23, 2025.

Sources: S&P Global Commodity Insights; EIA.

OPERATIONALLY AFFECTED PARTIES

Washington, Oregon, and Idaho Natural Gas for Power Generation Demand (MMcf/d)



Source: Platts SP

Expansions underway on Northwest Pipeline

1

Huntingdon Connector

Capacity: 78 MMcf/d | Expected ISD: 4Q 2026

2

Kelso-Beaver Reliability Project

Capacity: 183 MMcf/d | Expected ISD: 4Q 2028

3

Stanfield South

Capacity: 80 MMcf/d | Expected ISD: 4Q 2025

4

Naughton Coal-to-Gas Conversion

Capacity: 98 MMcf/d | Expected ISD: 2Q 2026

5

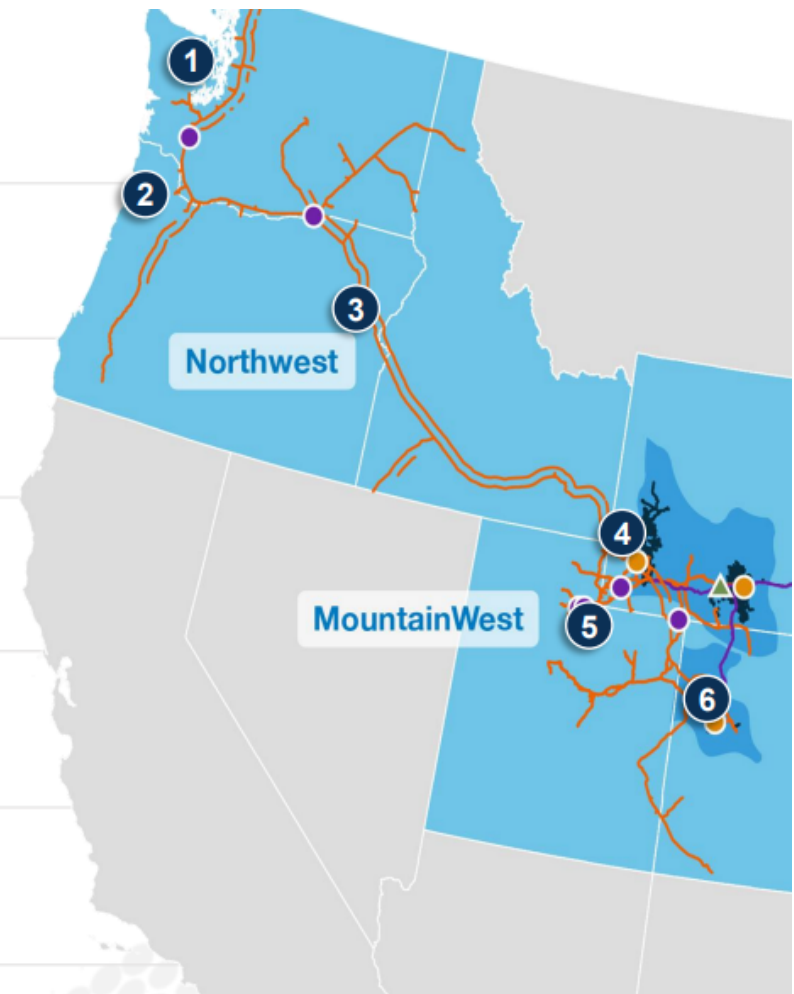
Ryckman Creek Lateral

Capacity: 50 MMcf/d | Expected ISD: 4Q 2026

6

Wild Trail

Capacity: 83 MMcf/d | Expected ISD: 4Q 2027



Pipeline Communication for Maintenances



NORTHWEST PIPELINE

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[TSP Capacity Offering](#)

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Northwest Pipeline Maintenance Schedule

Updated Sep 25, 2025

The following maintenance work is scheduled on Northwest Pipeline through the end of the current calendar year. Potential system impacts are identified below. Capacity impacts and scheduled maintenance date estimates are stated as accurately as possible, but are subject to change based on the variable nature of the many factors involved in the projects. Any variance from this notice will be communicated to customers as quickly as possible.

All capacity estimates listed in this maintenance schedule are in thousands of decatherms and all capacity estimates except for the "Estimated Capacity Reduction During Outage" are stated as daily volumes.

The New/Changed column indicates projects that are new or have changed since the previous update.

To download the schedule to Microsoft Excel: Right click on the schedule and select "Export to Microsoft Excel".

Scheduled Maintenance

☐ Total Year

☒ Today-End of Year

☒ Impact Schedule

☐ Unlikely to Impact Schedule

☐ All

Start Date	End Date	Potential Cut Point	Design Capacity MDth/d	Available Capacity MDth/d	Direction	Description/Location	Estimated Capacity Reduction for the Gas Day MDth/d	New/Changed
06/17/2025	10/31/2025	CISCO COMPRESSOR	286/359	241/284	N/S	Cisco M&ERP	45/75	
07/07/2025	10/15/2025	MUDDY CREEK NORTH CONSTRUCTION	774	717	N	Muddy Creek #2 ESD & M&ERP	57	



TC ENERGY / RC WEST PRE- WINTER MEETING



TC Energy GTN Pre-Winter Meeting

**Kyle
Husfeld**

- **EBB – Navigation to Critical Postings**
- **Maintenance Schedules**
- **Capacity Constraint Locations**
- **Historical Power Load**
- **Winter – Operational Outlook**
- **Q/A**

OCTOBER 2, 2025



EBB Navigation / Critical Postings



Gas Transmission Northwest

- Transports natural gas from the Western Canadian Sedimentary Basin and Rocky Mountain to (GTN) Washington, Oregon, and California
- Connects with Tuscarora and Foothills
- GTN is operated by a subsidiary of TC Energy Corporation
- TC PipeLines, LP owns 100 percent of GTN

[Gas Transmission Northwest >](#)

Great Lakes Gas Transmission Limited Partnership

- Transports natural gas from western Canada
- Delivery points in Minnesota, Wisconsin, Michigan and eastern Canada
- Great Lakes is operated by a subsidiary of TC Energy Corporation
- TC Pipelines, LP owns 46.45 percent of Great Lakes, the remaining 53.55 percent is held by subsidiaries of TC Energy

[Great Lakes Gas Transmission >](#)

North Baja Pipeline

- Transports natural gas between Arizona and California
- Connects with a third-party pipeline on the California/Mexico border
- North Baja is operated by a subsidiary of TC Energy Corporation
- TC PipeLines, LP owns 100 percent of North Baja

[North Baja Pipeline >](#)

Tuscarora Gas Transmission

- Transports natural gas from the GTN System at Malin, Oregon, to Wadsworth, Nevada
- Delivery points in northeastern California and northwestern Nevada
- Tuscarora is operated by a subsidiary of TC Energy Corporation
- TC PipeLines, LP owns 100 percent of Tuscarora

[Tuscarora Gas Transmission >](#)

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About Gas Transmission Northwest LLC



Gas Transmission Northwest (GTN) is an interstate natural gas pipeline system that transports Western Canadian Sedimentary Basin and Rocky Mountain-sourced natural gas to third-party natural gas pipelines and markets in Washington, Oregon and California. GTN has an average design capacity of 2,900 million cubic feet per day (MMcf/d). GTN is also connected to the Tuscarora pipeline system, which is wholly-owned by TC PipeLines, LP. Some of the GTN pipeline system's capacity is subject to annual renewals, however greater than 50 percent of the capacity is under long-term contracts, the majority of which mature between 2023 and 2028. GTN is operated by a subsidiary of TC Energy Corporation. TC PipeLines, LP owns 100 percent of GTN.

Quick Asset Facts:

- Commenced Operations: 1961
- Originates Near: Kingsgate, British Columbia, Canada
- Terminates Near: Malin, OR

For more information on TC PipeLines, LP please visit: www.tcpipelineslp.com
For more information on TC Energy please visit: www.tcenenergy.com

Quick Links

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Northwest](#)

Noms Scheduling Issues
888-750-6275

Call Before You Dig
811

Pipeline Emergency
1-800-447-8066

[Email Gas Transmission
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EBB Navigation / Critical Postings (Continued)

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Home > Critical Notices

Critical Notices

TSP Name:
Gas Transmission Northwest LLC

TSP:
006912885

Notice Type: -- Select -- Notice Stat: -- Select One -- Notice Eff Date: mm/dd/yy [Retrieve](#)

Notices

Notice Type	Posting Date/Time	Notice Eff Date/Time	Notice ID	Subject	Rep Date/Time	Prior Notice	Notice Status	Attachments	Actions
Plnd Outage	09/18/2025 20:25	09/18/2025 20:25	1482	MAINTENANCE SCHE...		1481	Supersede	yes	view
Cust Svc	11/01/2024 11:30	11/01/2024 11:30	1344	New Retro Norm Guide...			Initiate		view

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Home > Critical Notices > Notice Details [Download](#)

Notice Details

TSP Name: Gas Transmission Northwest LLC **Notice ID:** 1482

TSP: 006912885 **Notice Eff Date:** 09/18/2025

Posting Date/Time: 09/18/2025 20:25 **Notice End Date:** 11/01/2025

Critical: Yes **Notice Eff Time:** 20:25

Notice Type: Plnd Outage **Notice End Time:** 08:59

Notice Status: Supersede **Required Response:** No response required

Prior Notice ID: 1481 **Response Date/Time:**

Subject: MAINTENANCE SCHEDULE for Gas Transmission Northwest (Posted: 9/18/25)

Message Text: Gas Transmission Northwest Maintenance Schedule has been updated.

Please refer to the maintenance schedule for the projected capacity impacts. The updated item is as follows:

- Updated capacity impact for Rosalia 6C Valve Replacement to 2,595 MMcf/d

Please note that the information posted is proposed and subject to change.

Please direct any questions to your Account Coordinator, Customer Service Representative, or the Nominations and Scheduling hotline @ 888-750-6275

Attachments: [GTN Maintenance Schedule 20250918.pdf](#)

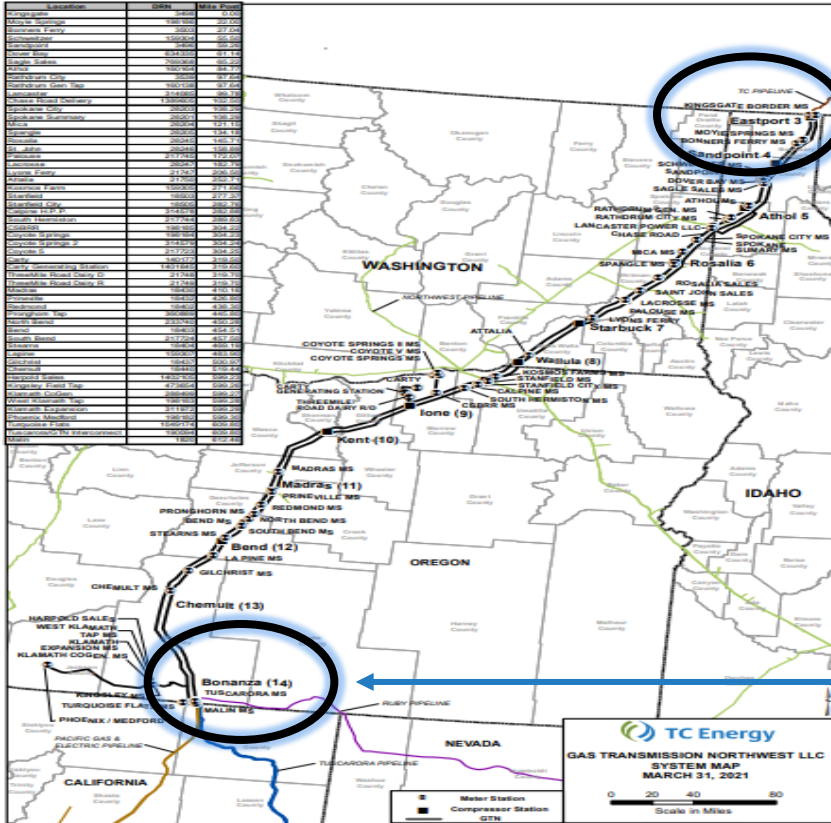
[Back](#)

GTN Upcoming Maintenance

- 11/3 through 11/12 – B8 – B9 MFL Combo Tool (Pig Run)
- 11/1 through 11/10 – CS14 Chemult TSA (Automation Upgrade)

Oct 2025	Area/Segment	Available Capacity	Potential Cuts Firm Primary	Potential Cuts Firm Secondary / ITS
	Flow Past Kingsgate Capacity #3500			
10/1 - 10/3	Athol Station Fall Maintenance	2400-MMcf/d	High	High
10/6 - 10/10	Eastport Station Fall Maintenance	2350-MMcf/d	High	High
10/27 - 10/31	Sandpoint Station Fall Maintenance	2600-MMcf/d	High	High
	Station 6 CFTP Capacity #954690			
10/20 - 10/24	Rosalia Station Fall Maintenance	2360-MMcf/d	High	High
10/20 - 10/23	Starbuck E Unit Fall Maintenance	2360-MMcf/d	High	High
	Station 8 CFTP Capacity #28218			
10/1	Wallula A Unit Fall Maintenance	2590-MMcf/d	High	High
10/2 - 10/3	Wallula C Unit Fall Maintenance	2490-MMcf/d	High	High
10/27 - 10/30	Wallula B Unit Fall Maintenance	2675-MMcf/d	Low	Medium
	Station 14 Capacity #18446			
10/1 - 10/31	Chemult TSA	1650-MMcf/d	High	High
Nov 2025	Area/Segment	Available Capacity	Potential Cuts Firm Primary	Potential Cuts Firm Secondary / ITS
	Station 8 CFTP Capacity #28218			
11/3 - 11/12	GTN B8 - 9 MFL Combo	1892-MMcf/d	High	High
	Station 14 Capacity #18446			
11/1 - 11/10	Chemult TSA	1650-MMcf/d	High	High
Dec 2025	Area/Segment	Available Capacity	Potential Cuts Firm Primary	Potential Cuts Firm Secondary / ITS
12/1 - 12/31	No impactful maintenance		Low	Low
*Posted capacity is subject to change based on current weather conditions in the Pacific Northwest and the current condition of the pipeline.				

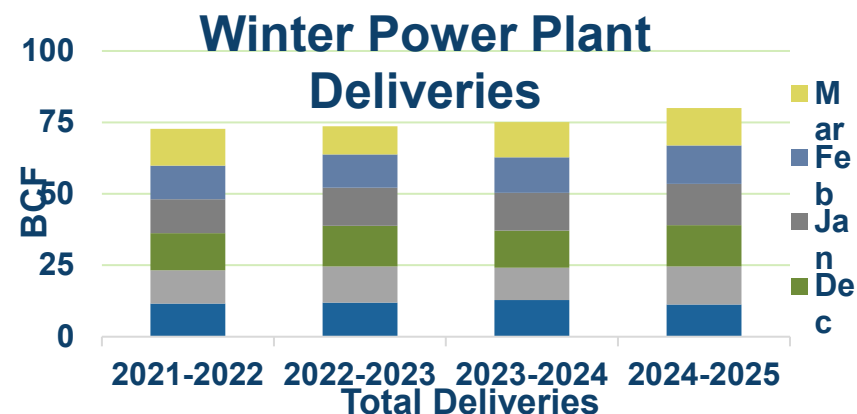
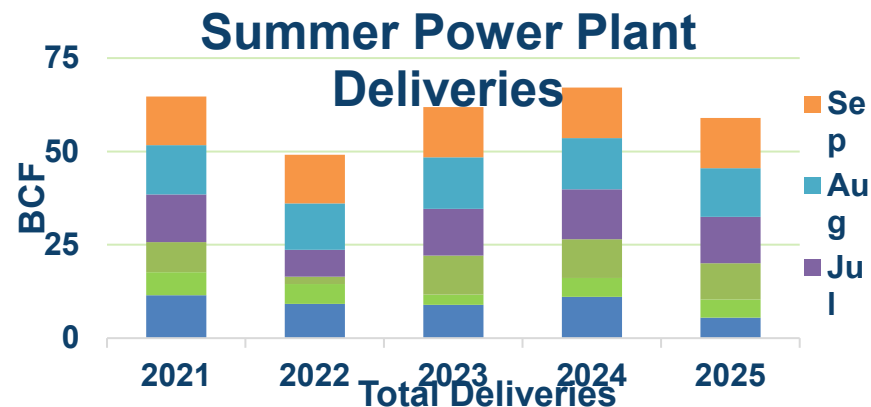
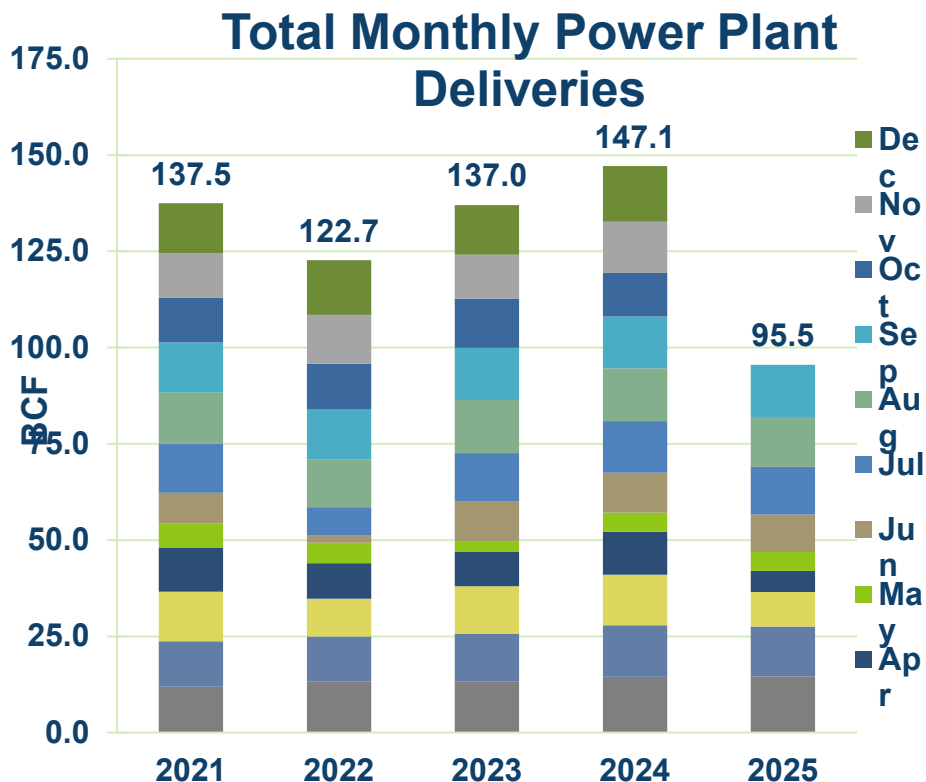
GTN Capacity Constraint Locations



Northern – Flow Past Kingsgate

Southern – Station 14 CFTP

GTN Monthly Deliveries to Power Plants



TC Energy Winter 25-26 Operational Forecast

- No maintenance scheduled for the Winter season
- GTN anticipates maximum capacity for the season unless major Winter storms occur
- Long-term weather forecast predicts a typical Winter



Questions?



WECC Assurance Program

Steve Ashbaker
Reliability Initiatives Director

October 02, 2025
Electric Reliability
& Security for the West

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Assurance Program

- [Long-Term Strategy](#)
- Impact Area 1 “Risk Mitigation: We are an organization aligned around risk reduction. Our holistic risk-based approach uses all the tools and skills available to deliver comprehensive risk mitigation strategies.”
- Initiative 4 “Implement a collaborative extreme weather preparedness assurance program to facilitate best practices sharing and assessment of interconnection-wide readiness.”
- Broader—Assurance Program

Basic Principles

- This program is designed to provide an assessment of readiness and sharing of best practices with registered entities in the Western Interconnection.
- This program is intended to be a tool that will support WECC's holistic risk-based approach for risk mitigation.

What is an Assurance Program

- Why have an [Assurance Program](#)?
- What is assurance?
Confidence of mind or manner
- What information do we have?
- What achievements have others made?



Approach

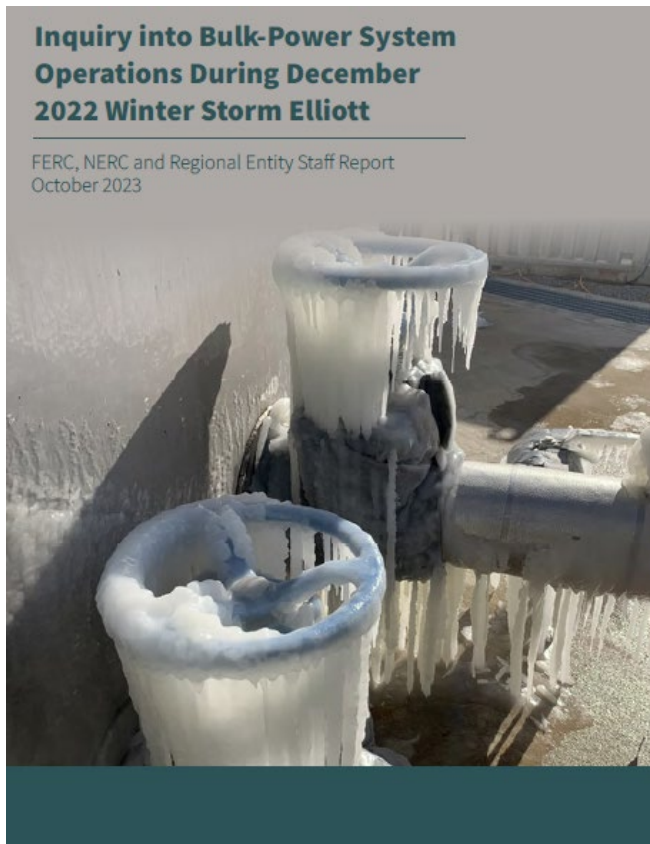
- Cross-departmental team
- Selection process
- Followed assurance approach used in previous efforts
 - This approach is focused on reliability, not compliance with standards
 - Feedback forms provided to the entity. Highlight areas of strength and opportunities for improvement
- Virtual and on-site discussions

Engagement with Entities

Why me?

- Identification of risks requiring better understanding interconnection-wide;
- Risk impact on the Western Interconnection (collectively and individually);
- Need for development and identification of best practices or effective internal controls;
- Newly registered entities or those planning to register soon;
- Concerns about inherent risks and obligations for identified risks;
- Mitigation plan uncertainties noted during outreach activities;
- Confusion over the applicability of a Standard or Requirement to a registered entity's functions;
- Development of an understanding of expectations (e.g., utility commissions); and
- Guidance on general readiness.
- Learn from top performers

Why?



- Recommendation 1(b): ... NERC should identify the generating units that are at the highest risk during extreme cold weather and work with the Regional Entities ... to perform cold weather verifications of those generating units until all the extreme cold weather Standards proposed by the 2021 Report are approved and effective. (Verify highest risk units by Q4, 2023; implement by Q3, 2024)
- 1(c) Generator Owners/Operators should assess their own freeze protection measure vulnerability, and NERC or the Regional Entities should perform targeted cold weather verifications pursuant to a risk-based approach.
- Recommendation 3: A joint NERC-Regional Entity team, collaborating with FERC staff, should study the overall availability and readiness of blackstart units to operate during cold weather conditions

Benefits from Efforts

- WECC staff has a better understanding of GOs' cold weather readiness in the WI
- Best practices and opportunities for improvement have been identified:
 - General observations
 - Entity-specific observations
- Discussions with entities; encourage improvement
- Findings shared in multiple settings and presentations

Results

- Non-Binding Report
- Review of winter preparedness
- Review of winterization plan/program and effectiveness
- Identification of positive observations, best practices, and recommendations

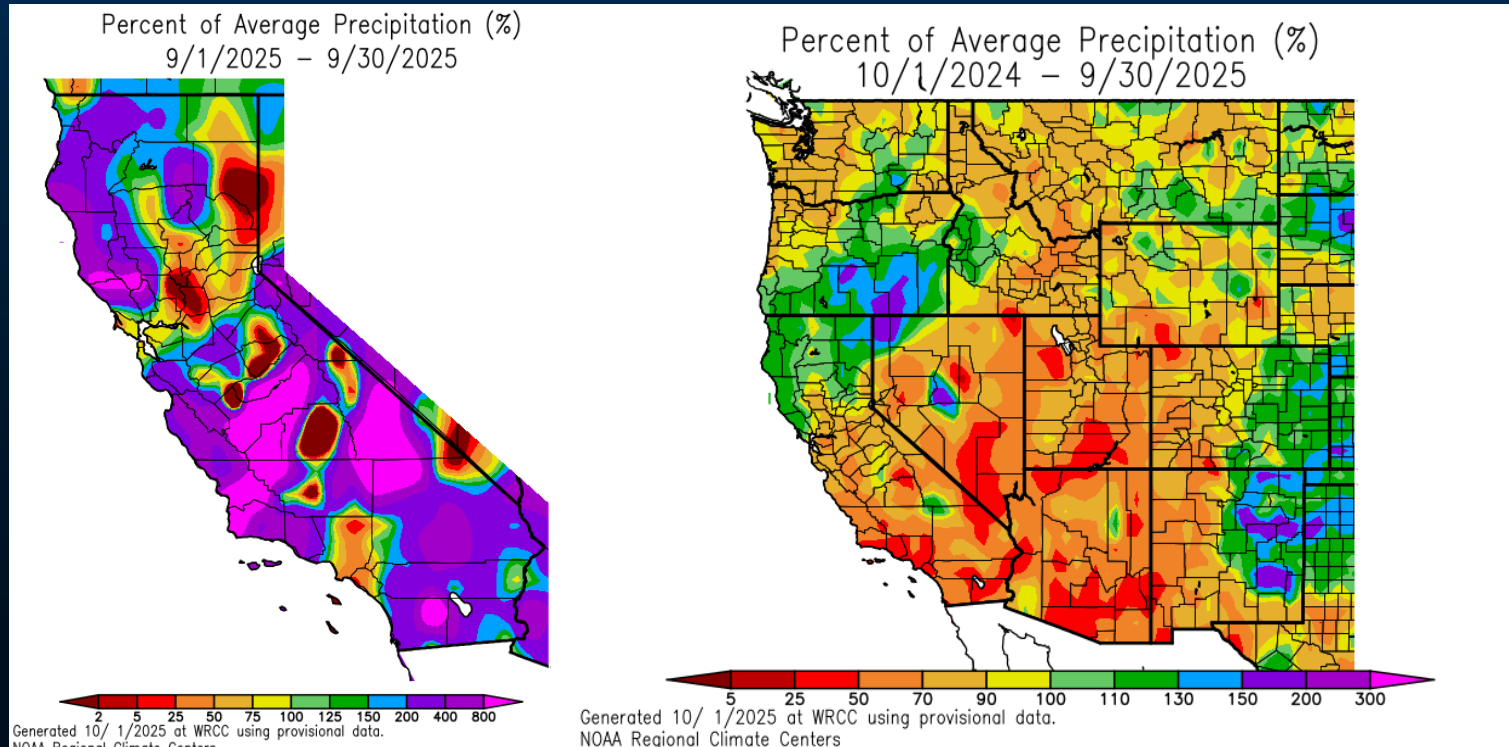
California Seasonal Outlook

October – January, 2026

Winter Readiness Workshop



Percent of Average Precipitation

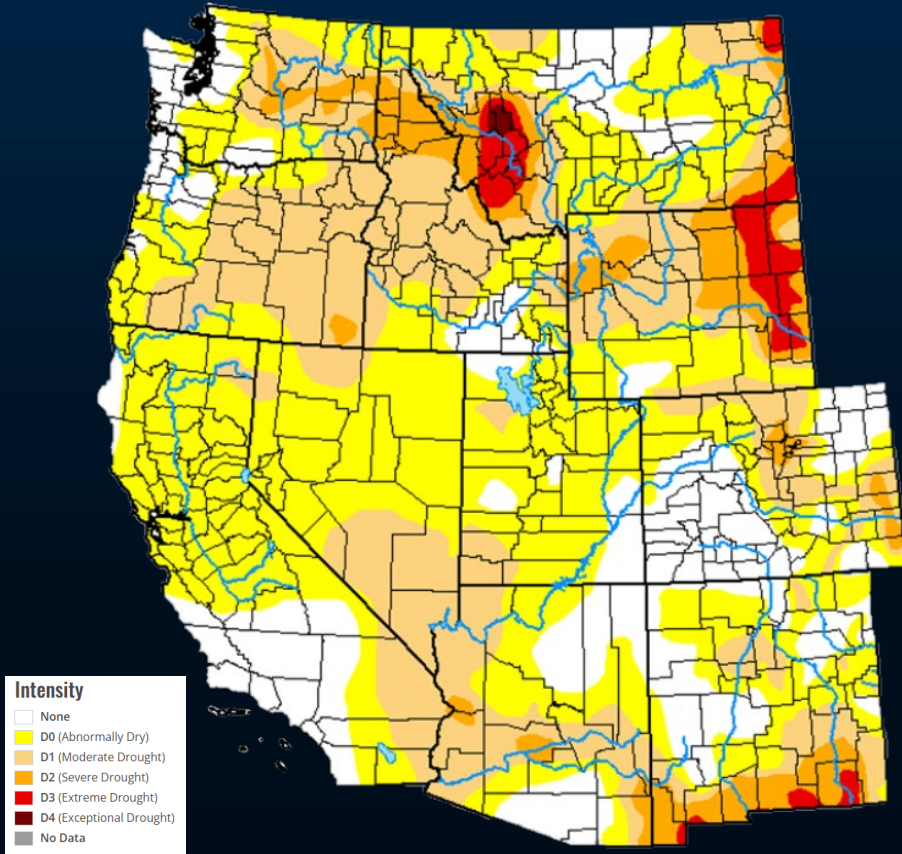


Since Oct 1, 2024

- Near normal precipitation totals in the Pacific Northwest. Western Oregon and Washington below normal
- The majority of areas south of the Sacramento Valley are experiencing anywhere from less than 50% to 90% percent of average precipitation.
- Portions of the South Coast, Southern Sierra, and Southern deserts have received only 25%-50% of average precipitation

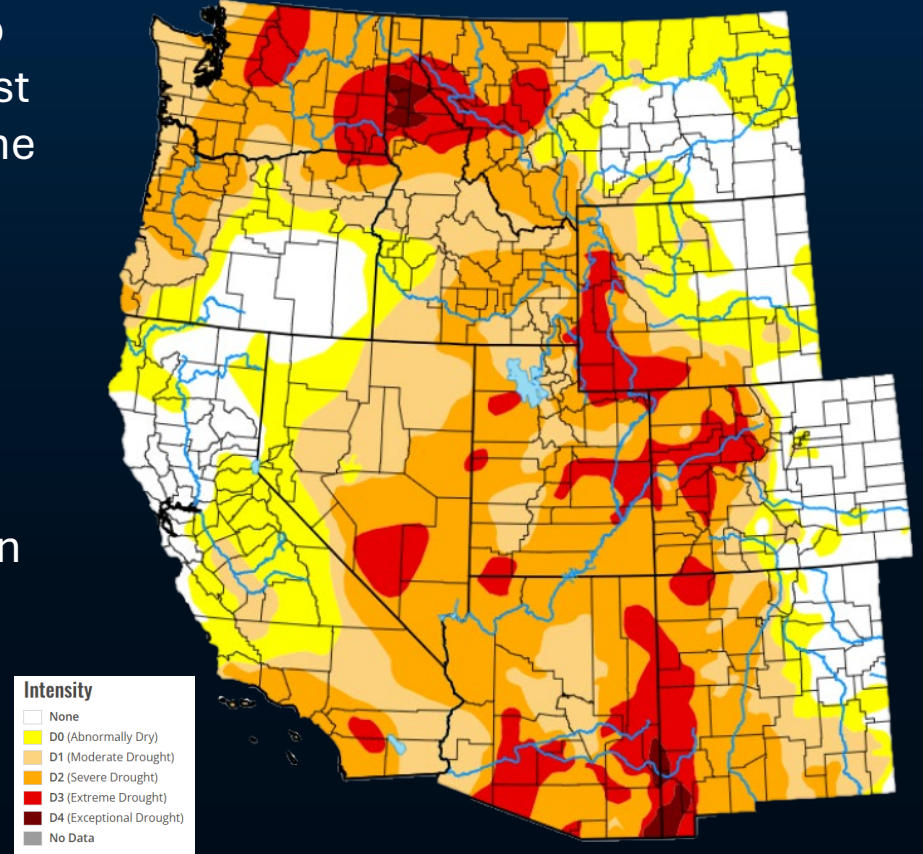
US Drought Monitor: Western Region

Drought Status October 1, 2024

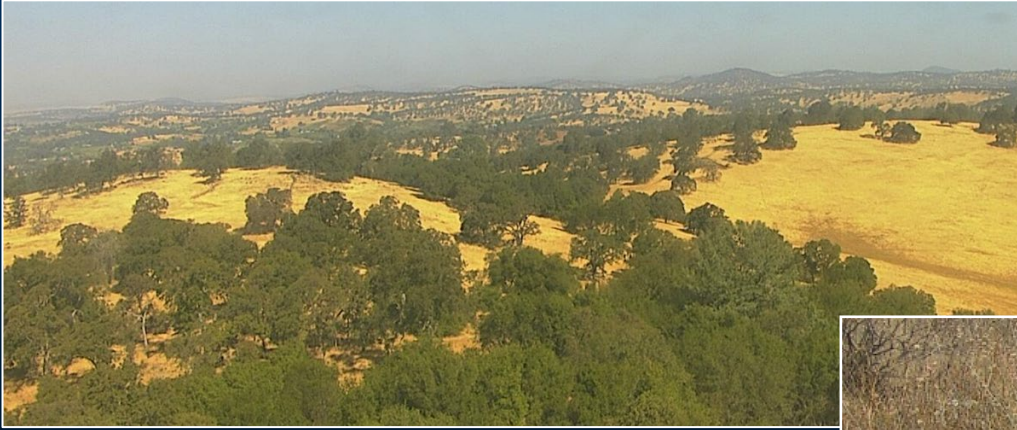


- Southern California is now under moderate to severe drought, with just one little area of extreme drought over the Lower Deserts.
- Central California remains mostly under abnormally dry conditions, with the San Joaquin Valley under moderate drought

Drought Status September 30, 2025



Fuels Discussion: Herbaceous Live Fuels

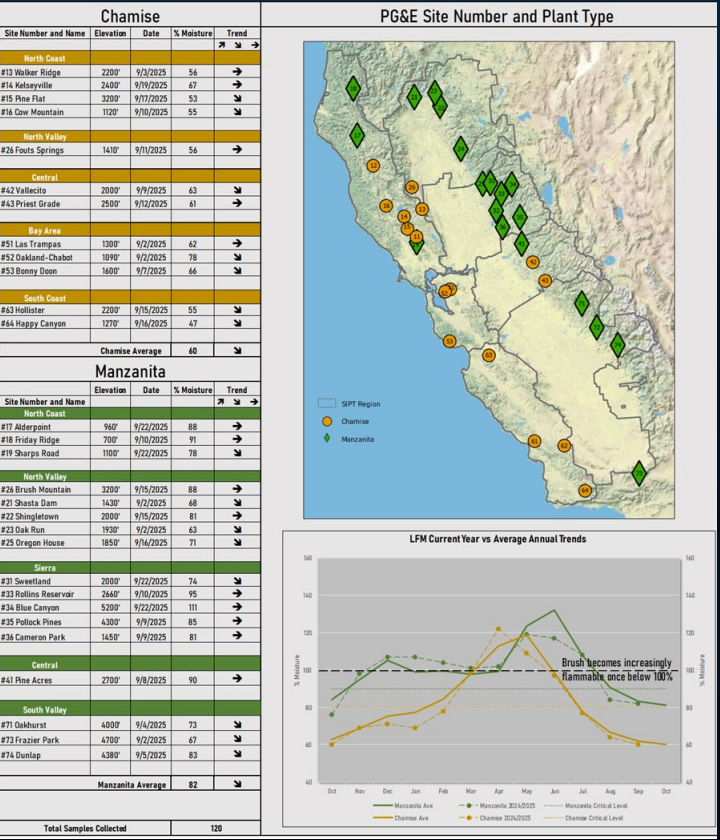


- The live fuel moisture content is a critical factor in determining how easily vegetation will ignite and burn.
- As live fuels lose moisture, due to seasonal drying or prolonged drought conditions, they become more flammable.
- Monitoring live fuel moisture through field sampling is important to be situationally aware of the current conditions through out the state.

Fuels Discussion: Herbaceous Live Fuels

Northern California

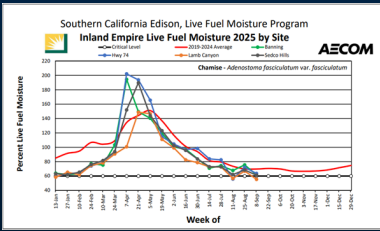
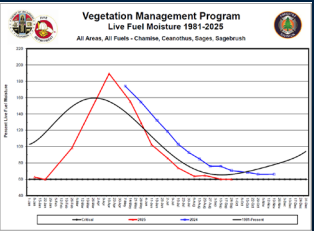
- Live fuel moistures are near average with some species and areas recording a little below normal while other areas a little above average.



Current and Average Monthly Values						
Month	Chamise			Manzanita		
	2024/25	2023/24	Ave	2024/25	2023/24	Ave
Oct	60	65	63	76	94	84
Nov	69	68	69	98	96	95
Dec	71	73	75	107	109	105
Jan	69	75	77	107	100	99
Feb	78	79	84	104	10	100
Mar	99	89	98	101	96	98
Apr	120	112	113	103	99	99
May	109	126	119	119	124	124
Jun	97	106	99	117	130	132
Jul	77	81	78	108	112	108
Aug	64	66	66	84	88	91
Sep	60	62	62	82	80	83
Oct		60	60		76	81

Southern California

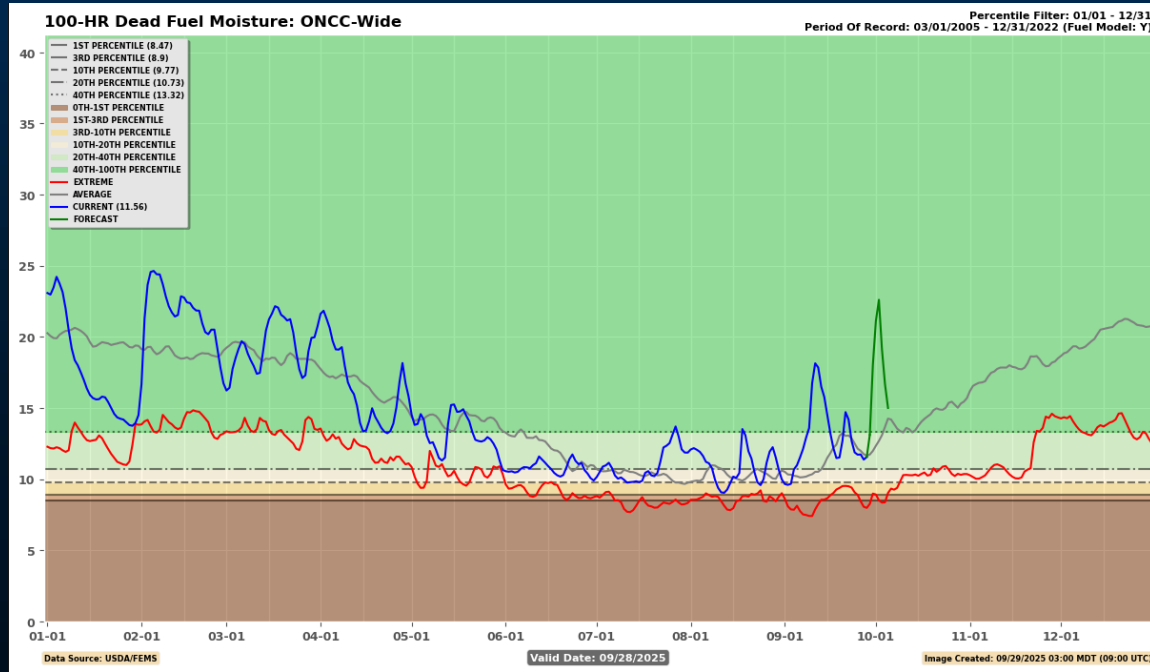
- The live fuel moisture continues to gradually decrease and is now mostly between 45% and 70%, which is a below normal for this time of the year.



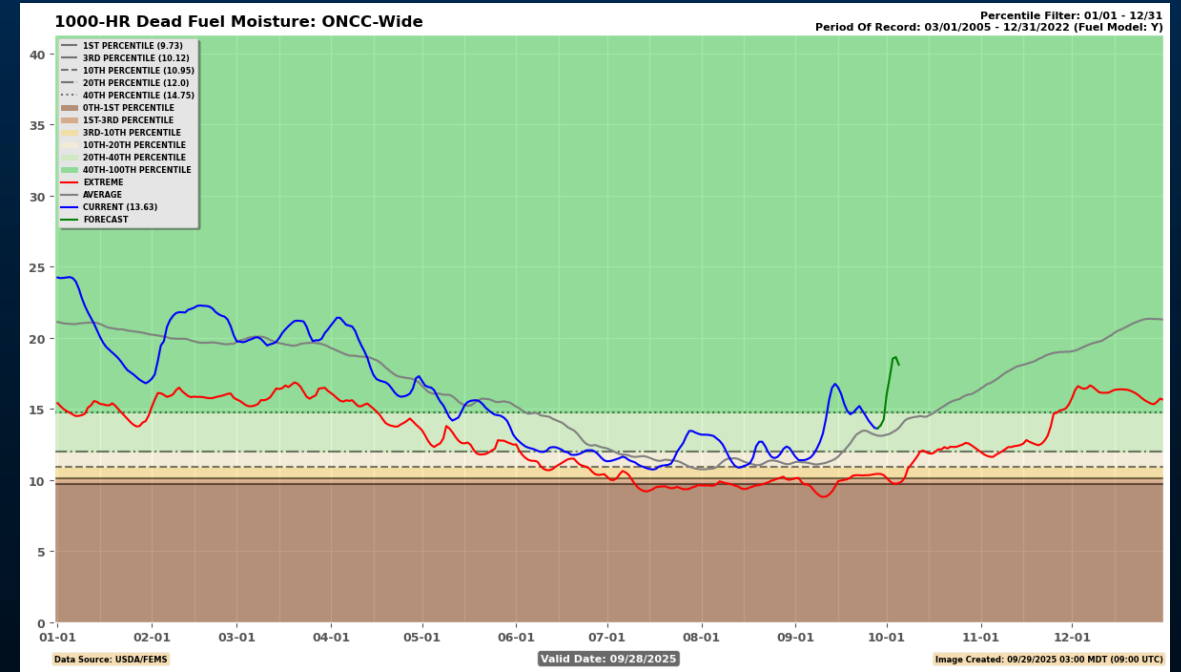
LOCATION	SPECIES	LIVE FUEL MOISTURE		
LOS ANGELES BASIN		CURRENT	PREVIOUS	%CHANGE
LAUREL CANYON, MT. OLYMPUS	CHAMISE	59%	64%	-8.3%
GLENDORA RIDGE, GLENDORA	CHAMISE	64%	69%	-8.1%
LA TUNA CANYON, TUJUNGA	CHAMISE	59%	61%	-3%
GLENDORA RIDGE, GLENDORA	HOARYLEAF CEANOETHUS	53%	54%	-2.3%
LA TUNA CANYON, TUJUNGA	BLACK SAGE	52%	58%	-11.8%
SANTA MONICA MOUNTAINS		CURRENT	PREVIOUS	%CHANGE
CLARK MOTORWAY, MALIBU	CHAMISE	63%	66%	-4.8%
STUNT ROAD, CALABASAS	CHAMISE	58%	62%	-6.5%
TRIPPET RANCH, TOPANGA	CHAMISE	58%	61%	-4.8%
CLARK MOTORWAY, MALIBU	BIGPOD	59%	57%	2.4%
TRIPPET RANCH, TOPANGA	CEANOETHUS BLACK SAGE	72%	71%	0.8%
SANTA CLARITA VALLEY		CURRENT	PREVIOUS	%CHANGE
PEACH MOTORWAY, SANTA CLARITA	CHAMISE	60%	59%	1.5%
QUIGLEY CANYON, SANTA CLARITA	CHAMISE	65%	63%	3.2%
PEACH MOTORWAY, SANTA CLARITA	BLACK SAGE	61%	52%	17.1%
PEACH MOTORWAY, SANTA CLARITA	CALIFORNIA SAGEBRUSH	63%	51%	25.1%
HIGH COUNTRY		CURRENT	PREVIOUS	%CHANGE
TEMLIN HIGHWAY, CASTAIC	CHAMISE	59%	59%	0%
BOUQUET CANYON, SAUGUS	CHAMISE	59%	57%	3.1%
TEMLIN HIGHWAY, CASTAIC	PURPLE SAGE	57%	59%	-4.2%
SUMMARY		CURRENT	PREVIOUS	%CHANGE
LOS ANGELES BASIN CHAMISE (average)		60%	65%	-8.0%
SANTA MONICA MOUNTAINS CHAMISE (average)		60%	63%	-5.3%
SANTA CLARITA VALLEY CHAMISE (average)		62%	61%	2.4%
HIGH COUNTRY CHAMISE (average)		59%	58%	1.5%
ALL AREAS ALL FUELS (average)		60%	60%	-0.5%

Fuels Discussion: 100-hr & 1000-hr Dead Fuels | Northern California

100-hr Dead Fuel Moisture – ONCC



1000-hr Dead Fuel Moisture – ONCC



1-hr Fuels – fine grasses, needles, twigs < ¼ ”

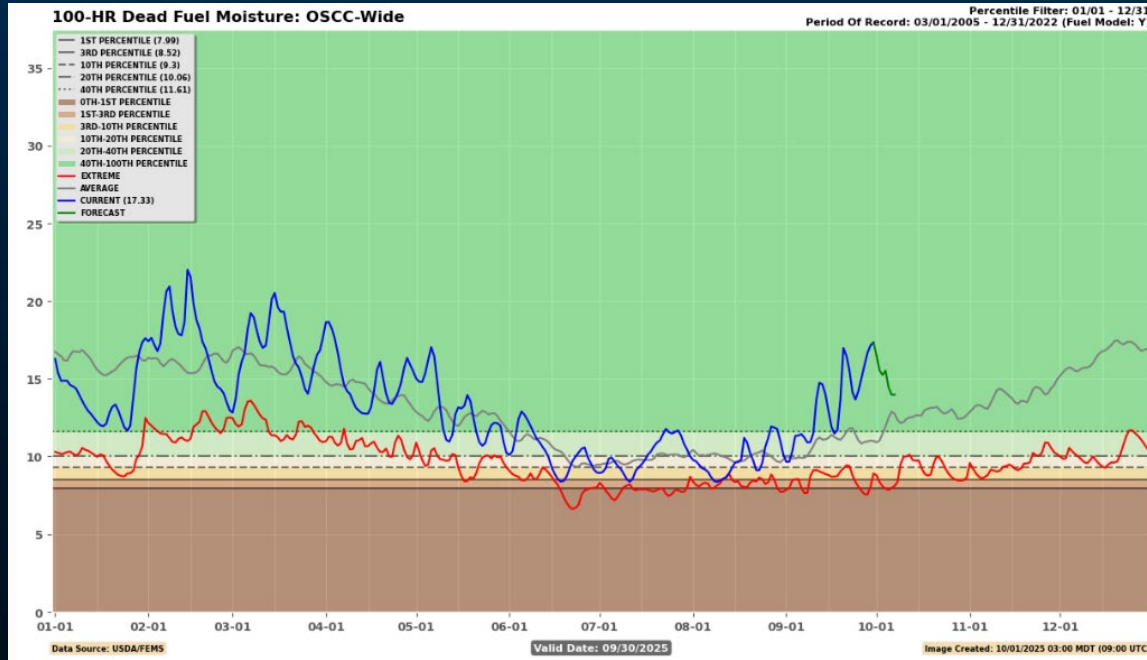
10-hr fuels – ¼” – 1”

100-hr fuels – 1” – 3”

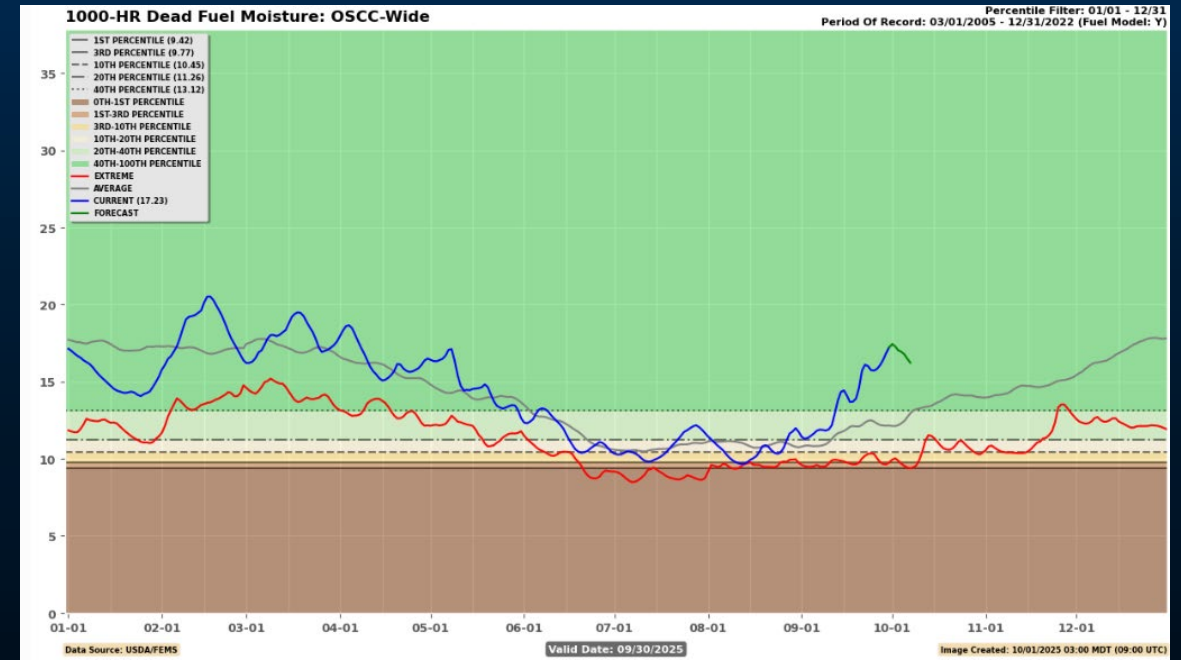
1000-hr fuels – 3” – 8”

Fuels Discussion: 100-hr & 1000-hr Dead Fuels | Southern California

100-hr Dead Fuel Moisture – OSCC



1000-hr Dead Fuel Moisture – OSCC



1-hr Fuels – fine grasses, needles, twigs < ¼ ”

10-hr fuels – ¼” – 1”

100-hr fuels – 1” – 3”

1000-hr fuels – 3” – 8”

California: Four Month Significant Fire Potential

October– January 2026 California Highlights

Northern California

- Weather pattern swings expected during the next 4-months with extended cool-moist periods mixed with extended warm-dry ones.
- Normal frequency of northerly-offshore wind periods is likely with 2-3 per month.
- Alignment of critically dry dead-live fuels is expected to be minimal or occur during shorter periods.
- Lowland areas will remain susceptible to dry-gusty wind periods until new herbaceous green-up is sufficient enough to offset the amount of carryover standing dead.
- Significant fire potential for the Northern region is projected to be normal during the outlook period, which means 1 or less large fire per PSA during October and less than 1 per PSA during November through January.

Southern California

- Precipitation will likely be well below normal through January.
- Temperatures will likely be well above normal through January.
- The amount of Santa Ana wind events will likely be normal to above normal through January.
- Warm and dry conditions combined with any offshore winds at times will cause the potential for large fire to be above normal across Southern California from the mountains westward October through December. will be near normal across Central California October through December

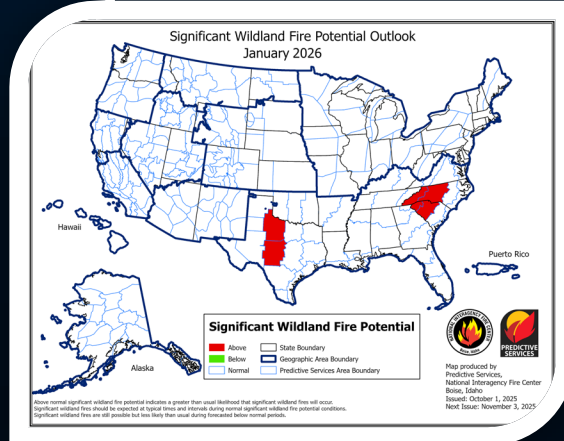
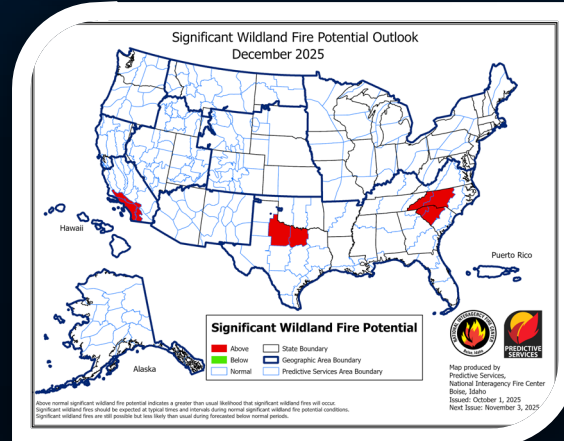
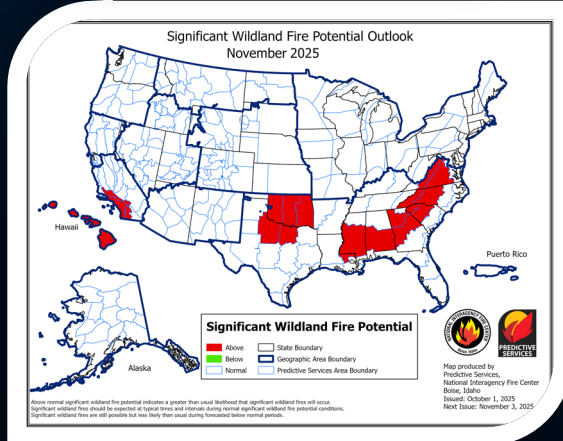
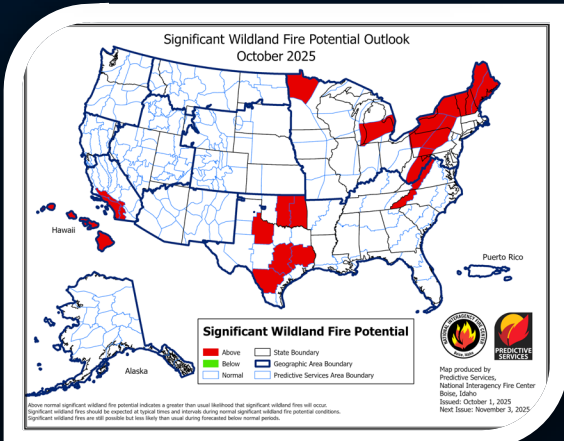
California: Four Month Significant Fire Potential

October

November

December

January



Fall Fire History



FALL WILDFIRES

LARGEST

CREEK

379,895 ACRES BURNED

SEPT 2020 - FRESNO & MADERA COUNTIES

THOMAS

281,893 ACRES BURNED

DEC 2017 - VENTURA & SANTA BARBARA COUNTIES

CEDAR

273,246 ACRES BURNED

OCT 2003 - SAN DIEGO COUNTY

MATILIJIA

220,000 ACRES BURNED

SEPT 1932 - VENTURA COUNTY

WITCH

197,990 ACRES BURNED

OCT 2007 - SAN DIEGO COUNTY

MOST DESTRUCTIVE

CAMP

18,804 STRUCTURES DESTROYED

NOV 2018 - BUTTE COUNTY

TUBBS

5,636 STRUCTURES DESTROYED

OCT 2017 - NAPA & SONOMA COUNTIES

TUNNEL

2,900 STRUCTURES DESTROYED

OCT 1991 - ALAMEDA COUNTY

CEDAR

2,820 STRUCTURES DESTROYED

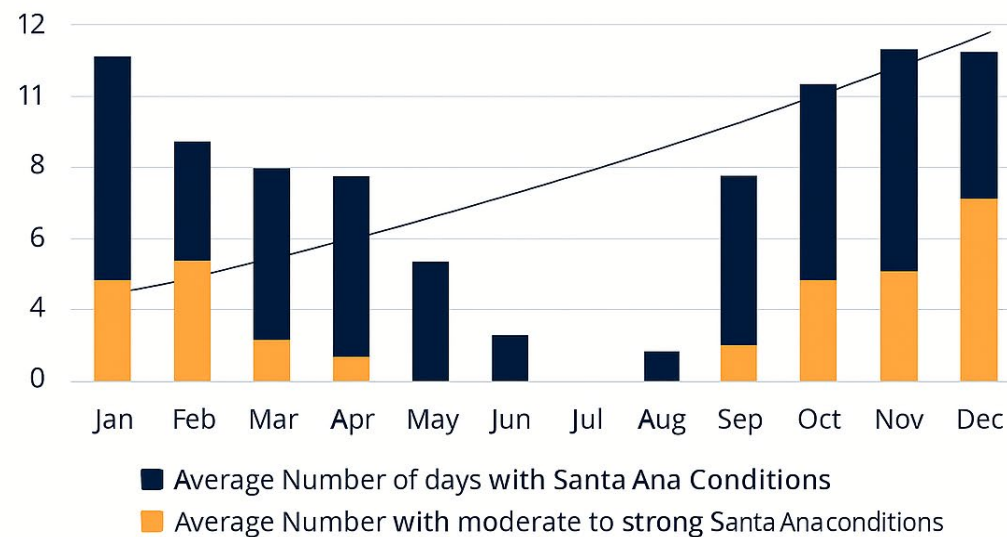
OCT 2003 - SAN DIEGO COUNTY

THOMAS

1,063 STRUCTURES DESTROYED

DEC 2017 - VENTURA & SANTA BARBARA COUNTIES

Average Number of Days with Santa Ana Conditions



Year to date Wildfire Activity

CAL FIRE TOTAL INCIDENT RESPONSES: 2025 YTD

*Within CAL FIRE jurisdiction only

WILDLAND FIRES	STRUCTURE FIRES	FIRE, OTHER	MEDICAL	HAZMAT	LAW ENFORCEMENT	PUBLIC SERVICE	TOTAL
7,227	2,795	39,924	326,826	8,871	3,213	56,731	447,587

CALIFORNIA TOTAL WILDLAND FIRE STATS YTD

Year-To-Date (YTD) is for current year, last year, and 5-year average, as of the "Updated" date indicated above.

INTERVAL	WILDLAND FIRES	ACRES
2025 Combined YTD (CALFIRE & US Forest Service)	7,227	521,770
2024 Combined YTD (CALFIRE & US Forest Service)	6,084	472,437
5-Year Average (same interval)	6,234	1,117,717

For 2025 YTD:

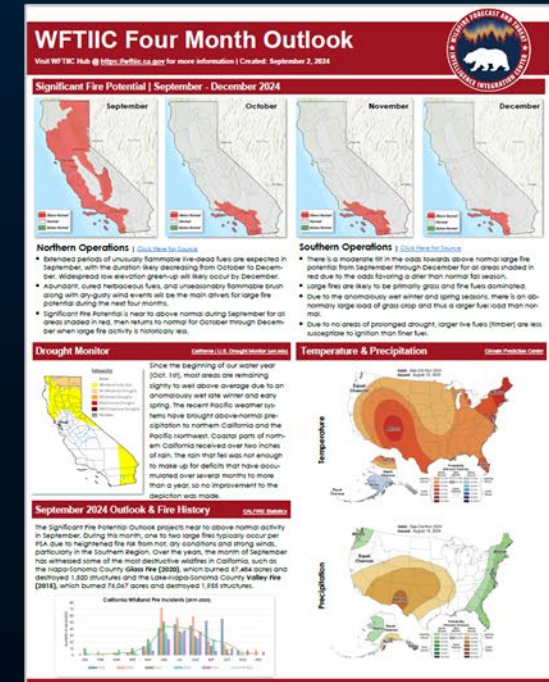
- 7,227 fires burning 521,770 acres. Increase of over 1,200 fires compared to 2024.
- Slight increase in acres burned compared to 2024 to date.
- Above the 5 –year average on number of fires, but below the 5-year average in acres burned.



[illegible]

- 3-day Fire Size Potential Forecast for the entire state of California.
- Includes CA Fire Weather Summary provided by WFTIIC's NWS liaison.
- Statewide 7-day Significant Fire Potential Map with FireGuard detections and daily fire potential rating by Predictive Service area with CAL FIRE Unit boundaries.

- Lower right portion reflects the immediate concern of the outlook.
- Rainfall to date, snowpack status, reservoir capacity, grassland fuel loading, dead fuel moisture, lightning outlook, fall fire history, Santa Ana wind trends, Pacific Ocean current oscillations.



Wildfire Forecast & Threat Intelligence Integration Center (WFTIIC)



Jeff Fuentes
CAL FIRE
Deputy Chief WFTIIC
Jeff.Fuentes@fire.ca.gov

Ken Kempter
CAL OES
Deputy Chief WFTIIC
Ken.Kempter@caloes.ca.gov

