



Situation Summary

Friday, September 2, 2022 - Day 905 of the Pandemic

Update as of 2:30 PM

Extraordinary Assumptions: There are many different data sources in this report and not all of them match. This document is informational purposes only, the goal is to provide an overall picture of the current situation.

COVID-19 by the Numbers

9/2/2022	Riverside	Imperial	Kern	Los Angeles*	Orange	San Bernardino	San Diego	San Luis Obispo	Santa Barbara	Ventura	California	United States	Global
Total Cases	685,704	64,562	272,377	3,228,552	658,076	656,343	910,878	62,312	103,894	205,157	10,263,647	94,487,185	601,189,435
Total Cases Per Capita	27,782	33,688	29,375	31,475	20,383	29,600	27,026	22,345	22,765	24,058	25,577	28,292	7,592
% of Total Cases/Population	27.78%	33.69%	29.37%	31.47%	20.38%	29.60%	27.03%	22.35%	22.77%	24.06%	25.58%	28.29%	7.59%
Recovered*	680,839	57,874	269,411	Not Reported	636,234	642,928	Not Reported	Not Reported	Not Updated	Not Reported	10,417,102	92,172,274	585,404,672
% of total recovered/population	27.59%	30.20%	29.05%	Not Reported	19.71%	28.99%	Not Reported	Not Reported	Not Updated	Not Reported	25.96%	27.60%	7.39%
Total Deaths	6,581	953	455	32,877	7,340	8,014	5,459	515	717	1,557	47,000	1,041,816	6,475,346
Deaths Per Capita	266.64	497.26	49.07	320.51	227.35	361.41	161.97	184.68	157.11	182.59	117.12	311.94	81.77
% of Total Deaths/Population	0.27%	0.50%	0.05%	0.32%	0.23%	0.36%	0.16%	0.18%	0.16%	0.18%	0.12%	0.31%	0.08%
% of State's Cases	6.68%	0.63%	2.65%	31.46%	6.41%	6.39%	8.87%	0.61%	1.01%	2.00%	10.86%	15.72%	
Total Hospital Beds	3,110	202	1,039	18,263	5,808	3,443	6,556	428	604	1,184	64,527		
Currently in Hospitals	146	15	49	788	206	145	265	12	34	70	3,004		
Hospital Beds Available**	2,964	187	990	17,475	5,602	3,298	6,291	416	570	1,114	61,523		
Total Hospital ICU Beds**	95	16	30	779	173	217	255	24	20	43	2,491		
Currently in ICU	12	3	8	126	28	17	23	0	6	5	354		
ICU Beds Available	83	13	22	653	145	200	232	24	14	38	2,137		
Case Fatality Rate	0.96%	1.48%	0.17%	1.02%	1.12%	1.22%	0.60%	0.83%	0.69%	0.76%	0.46%	1.10%	1.08%
Population***	2,468,145	191,649	927,251	10,257,557	3,228,519	2,217,398	3,370,418	278,862	456,373	852,747	40,129,160	333,976,981	7,918,710,000
% of State Population	6.15%	0.48%	2.31%	25.56%	8.05%	5.53%	8.40%	0.69%	1.14%	2.13%	12.02%	4.22%	

Sources: CDPH, WHO, CDC, Local County Data, LA Times, Worldometers
 The date for which case statistics and hospital data were reported. Hospital COVID data are self-reported through a portal managed by the California Hospital Association and pulled at 2pm. COVID case statistics are reported by local health departments to CaIREDIE and are pulled at 2pm. Hospital data and case statistics are integrated by the California Department of Technology and made available through the Open Data Portal the following morning. CA Open Data Portal is at least 24 Hours behind although a backlog of new case reports at the State level has ostensibly been cleared, some County dashboards still contain notes that indicate data are missing. (*Many County sites do not report recovery rates or are only updating once a week)(** based on calculation)(***California Demographics from State Database Blueprint Data Chart 12-15-20 & census.gov)

News
 More detail on page 2

US Data
 More detail on page 3

Monkey Pox
 More detail on page 4

Weather
 More detail on page 5

Power Grid
 More detail on page 17

Air Quality
 More detail on page 19

News – The collection of news articles are related to COVID-19. The inclusion or order of articles is not intended to reflect their importance, nor is it intended to endorse the political viewpoints or affiliations included in news coverage.

Life Expectancy In The U.S. Fell Again: What Does That Mean For You?

- Life expectancy in the United States fell again, from 77.0 years in 2020 to 76.1 years in 2021, according to a recent report from the National Center for Health Statistics (NCHS). Even worse, life expectancy has declined by a total of 2.7 years since 2019 (pre-pandemic).
- Should you be worried? The answer depends on who you are, since your life expectancy depends on your gender, race, educational achievement, income and wealth, access to medical care, and whether you're living a healthy lifestyle.

<https://www.forbes.com/sites/stevevernon/2022/09/02/life-expectancy-in-the-us-fell-again-what-does-that-mean-for-you/?sh=655a7fcd2d2c>

<https://www.cdc.gov/nchs/nvss/life-expectancy.htm>

<https://www.macrotrends.net/countries/USA/united-states/life-expectancy>

CDC recommends reformulated coronavirus booster shot for fall

- CDC Director Rochelle Walensky endorsed a recommendation by an advisory panel, paving the way for some clinicians, pharmacies and other providers to begin administering the shots as early as this weekend. The Advisory Committee on Immunization Practices voted 13-1 to recommend updated shots from Moderna, for those 18 and older, and from Pfizer-BioNTech, for people 12 and older.
- “The updated COVID-19 boosters are formulated to better protect against the most recently circulating COVID-19 variant,” Walensky said in a statement. “They can help restore protection that has waned since previous vaccination and were designed to provide broader protection against newer variants. ... If you are eligible, there is no bad time to get your COVID-19 booster and I strongly encourage you to receive it.”
- Until now, vaccines have targeted the original version of the coronavirus, even as different variants emerged. Half of the new booster, known as a bivalent vaccine, contains the original formulation, while the other half carries a recipe against BA.4 and BA.5, by far the most contagious versions of the virus since coronavirus swept the globe in 2020. BA.5 now accounts for nearly 90 percent of cases in the United States, according to the CDC.

<https://www.washingtonpost.com/health/2022/09/01/cdc-fall-booster-shots/>

RELATED

FDA move means some people must now wait for boosters

<https://www.sfchronicle.com/health/article/COVID-in-California-live-updates-17411109.php>

Cases continue to decrease, while hospitalizations tick up; Riverside County moves to 'low' community transmission level

- Riverside County reported 2,485 new COVID-19 cases between Friday and Wednesday. That is a 13% decrease from the previous week's 2,869 cases.
- After weeks of having a "medium" community transmission level, Riverside County has once again moved down to the "low" level. Under this designation, it's recommended that people stay up-to-date with their vaccinations and wear facial coverings on public transportation, if they have symptoms, test positive for COVID-19 or are exposed to someone with the virus.

<https://www.desertsun.com/story/news/health/2022/08/31/covid-19-cases-continue-decrease-while-hospitalizations-tick-up/7944949001/>



U. S. Data

https://covid.cdc.gov/covid-data-tracker/#cases_casesper100klast7days

United States

At a Glance

Cases Total

94,487,185

Case Trends

Deaths Total

1,041,816

Death Trends

Current Hosp.

30,587

Admission Trends

34.8% of People 5+ with

First Booster



TOTAL CASES

94,487,185

+99,786 New Cases

7 DAY CASE RATE PER 100,000

177

TOTAL DEATHS

1,041,816

+464 New Deaths

CDC | Data as of: Friday, September 2, 2022 1:27 PM ET. Posted: Friday, September 2, 2022 2:35 PM ET

Health Department-Reported Cases of Multisystem Inflammatory Syndrome in Children (MIS-C) in the US

<https://covid.cdc.gov/covid-data-tracker/#mis-national-surveillance>

Last updated with cases reported to CDC on or before August 29, 2022*

TOTAL MIS-C PATIENTS MEETING CASE DEFINITION*

8,862

TOTAL MIS-C DEATHS MEETING CASE DEFINITION

72

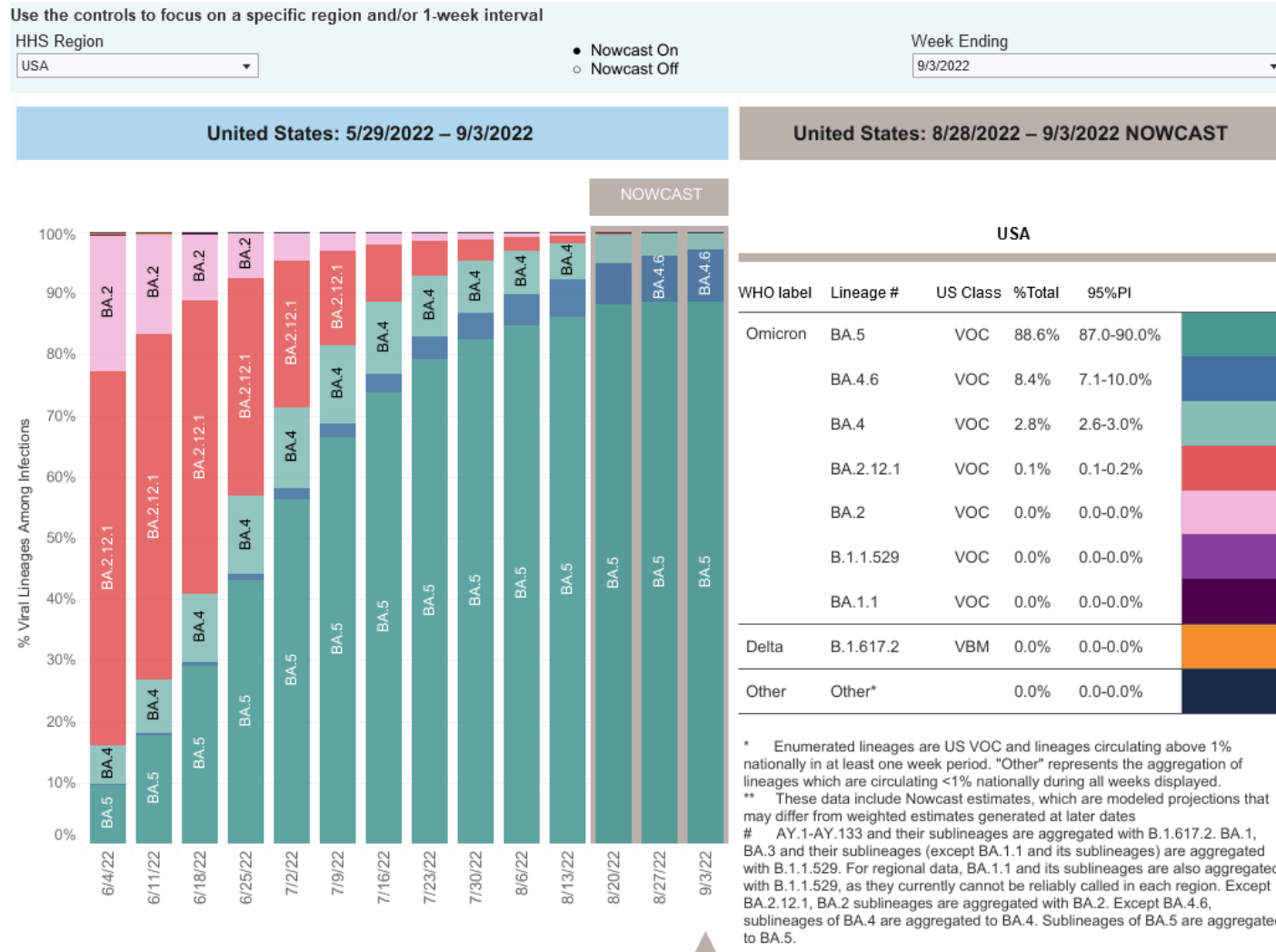
*Additional patients are under investigation. After review of additional clinical data, patients may be excluded if there are alternative diagnoses that explained their illness.

Summary

- The median age of patients with MIS-C was 9 years. Half of children with MIS-C were between the ages of 5 and 13 years.
- 57% of the reported patients with race/ethnicity information available (N=8,361) occurred in children who are Hispanic/Latino (2,198 patients) or Black, Non-Hispanic (2,553 patients).
- 98% of patients had a positive test result for SARS CoV-2, the virus that causes COVID-19. The remaining 2% of patients had contact with someone with COVID-19.
- 60% of reported patients were male.

Monitoring Variant Proportions

<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>



Monkeypox virus

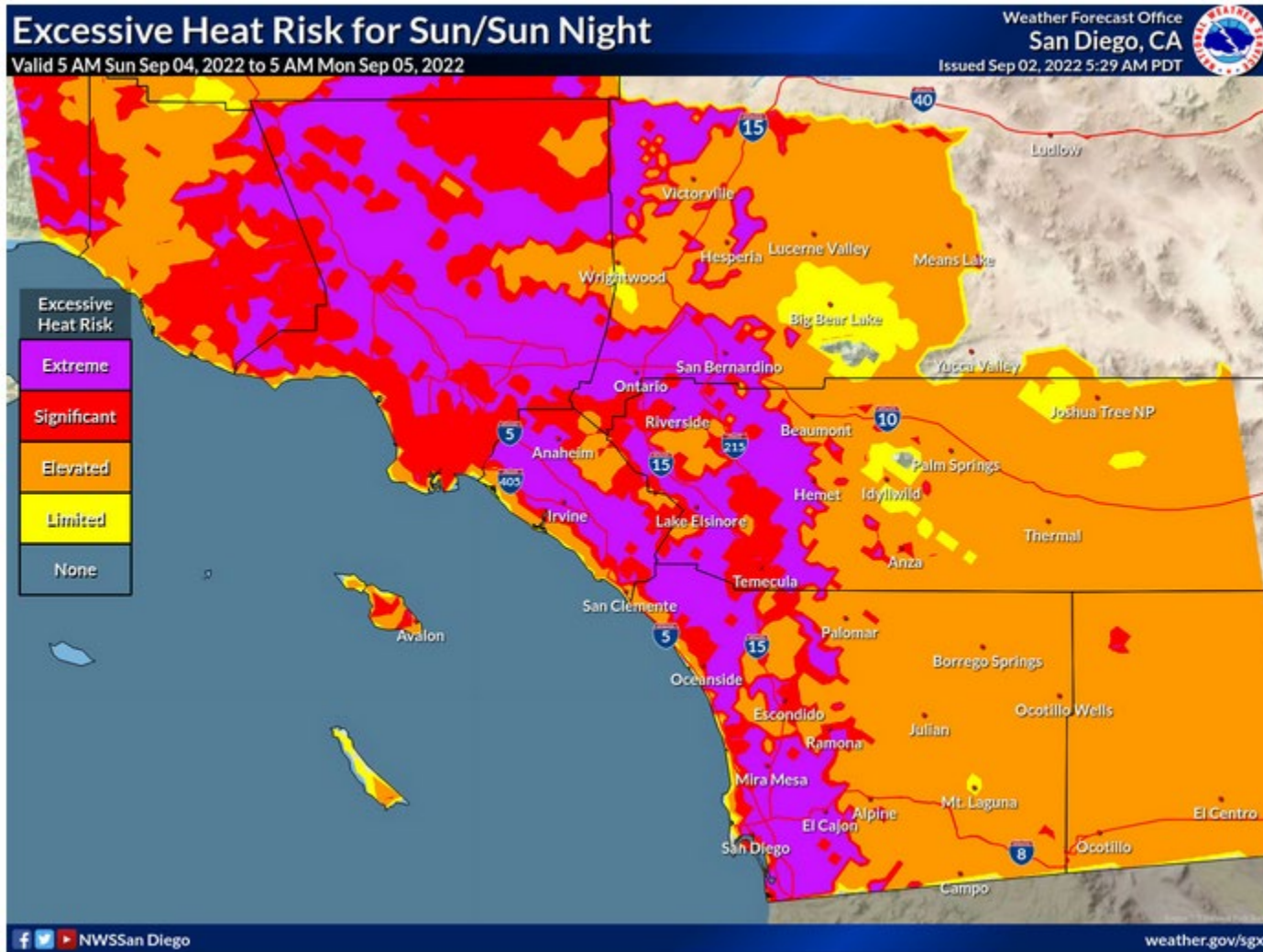
https://www.cdc.gov/poxvirus/monkeypox/response/2022/us-map.html?fbclid=IwAR2qV951iYZVB9Q15PUD_hTGDrrS8FZ5806zWelq9pn8D6ROiqTo2Fdrvs8

19,962 Total confirmed monkeypox/orthopoxvirus cases






*One Florida case is listed here but included in the United Kingdom case counts because the individual was tested while in the UK.

Weather


































































<https://www.weather.gov/erh/ghwo?wfo=sgx>



Public Marine

Risk Level	Category	Definition
	None	No Excessive Heat Risk.
	Limited	Heat exhaustion possible with prolonged exposure.
	Elevated	Heat exhaustion likely with prolonged exposure. Heat stroke possible.
	Significant	Heat exhaustion or heat stroke likely with prolonged exposure.
	Extreme	Dangerously hot conditions could quickly result in heat exhaustion or heat stroke.

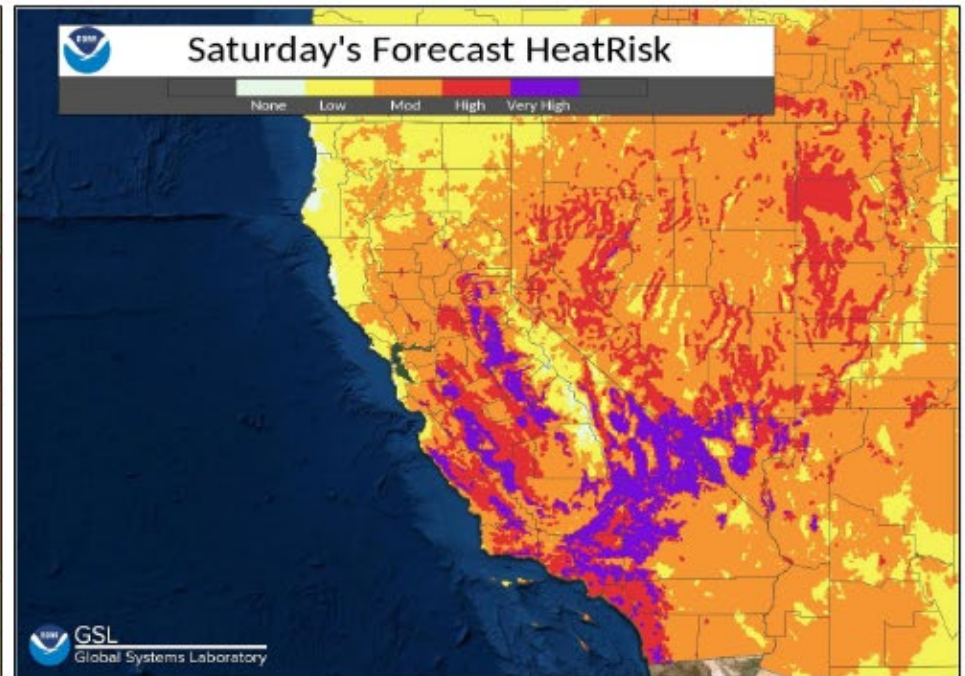
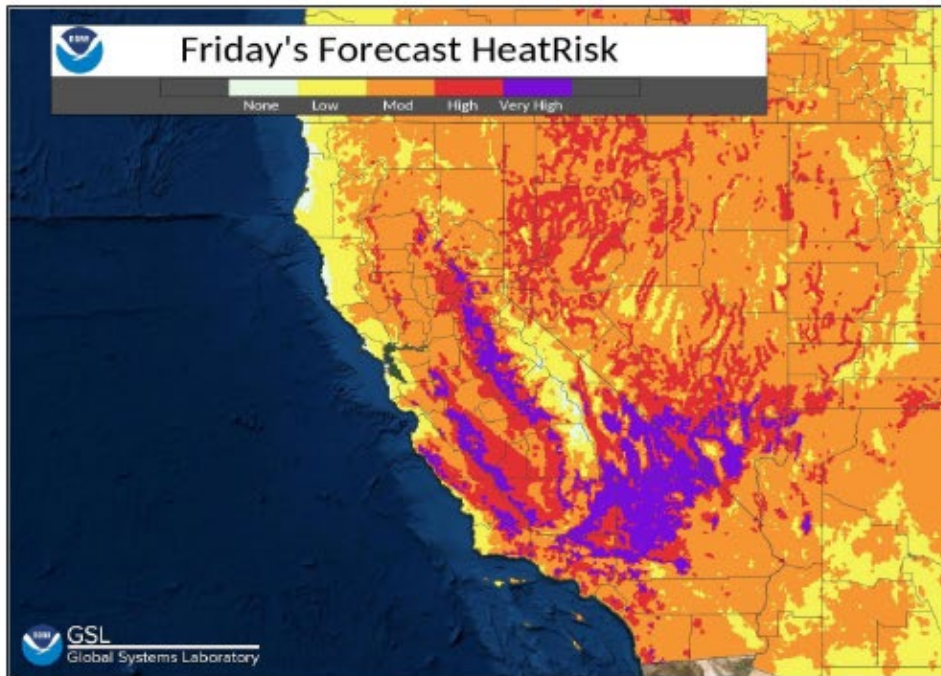
24 Hr Hazard Risks

	Today	Sat	Sun	Mon	Tue	Wed	Thu
Severe Thunderstorm							
Tornado							
Thunderstorm Wind							
Hail							
Lightning							
Excessive Rainfall							
Excessive Heat							
Wind							
Frost/Freeze							
Fog							
Fire Weather							
Blowing Dust							



Fri-Sat Heat Risk

Regional Operations Center
Western Region
Friday, September 2



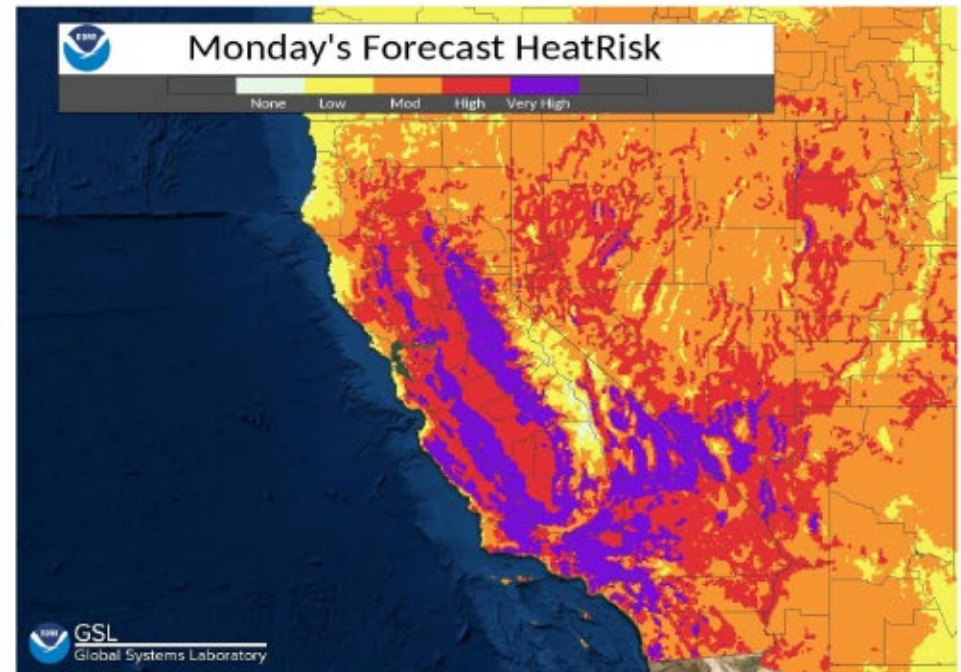
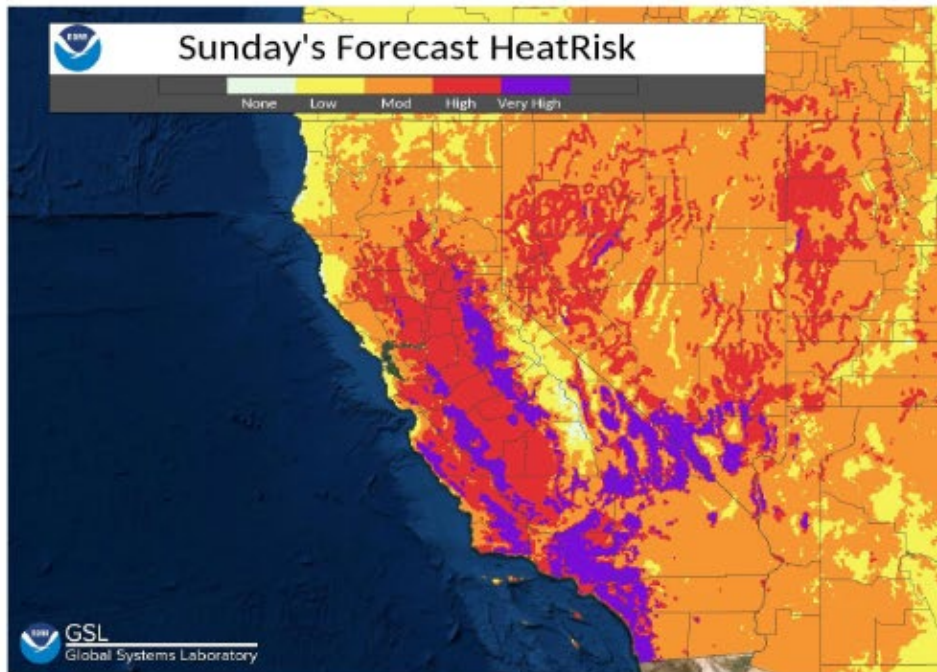
Green	Level 0	No Elevated Risk
Yellow	Level 1	Low Risk for those extremely sensitive to heat, especially those without effective cooling and/or adequate hydration
Orange	Level 2	Moderate Risk for those who are sensitive to heat, especially those without effective cooling and/or adequate hydration

Red	Level 3	High Risk for much of the population, especially those who are heat sensitive and those without effective cooling and/or adequate hydration
Magenta	Level 4	Very High Risk for the entire population due to long duration heat, with little to no relief overnight



Sun-Mon Heat Risk

Regional Operations Center
Western Region
Friday, September 2



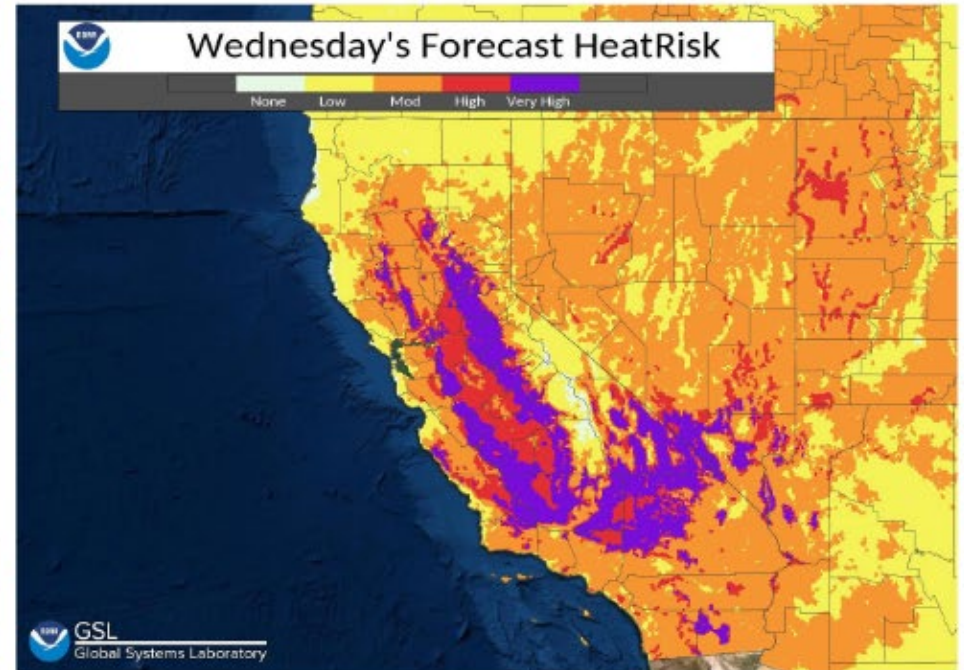
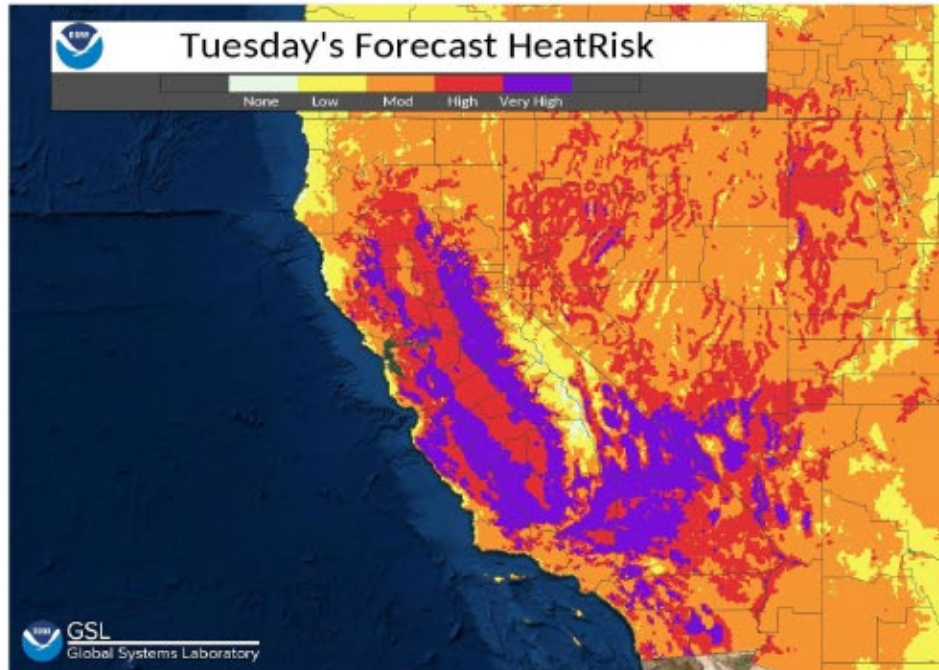
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Tue-Wed Heat Risk

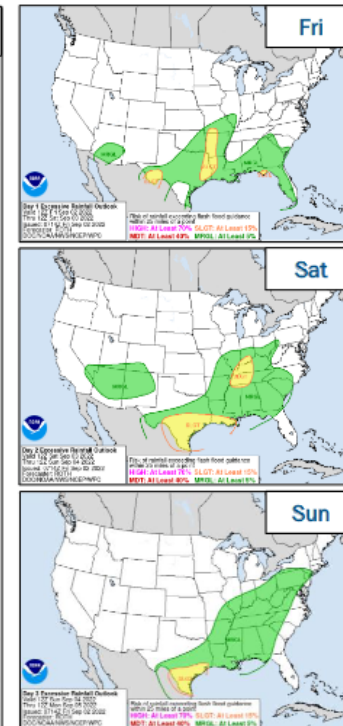
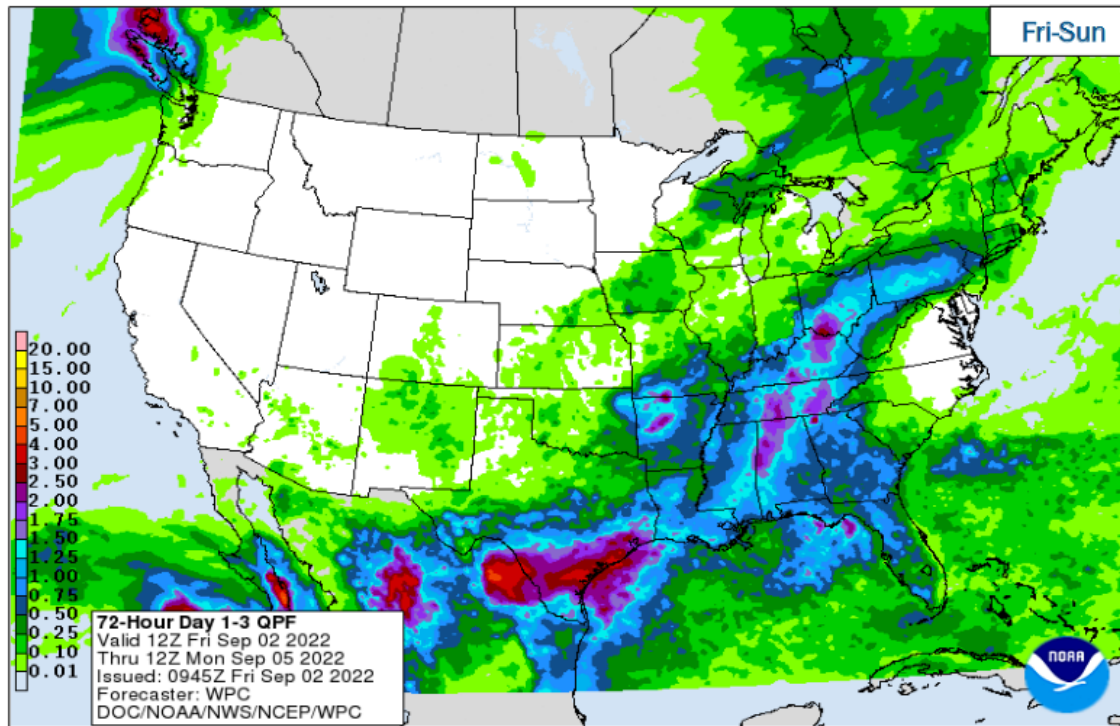
Regional Operations Center
Western Region
Friday, September 2



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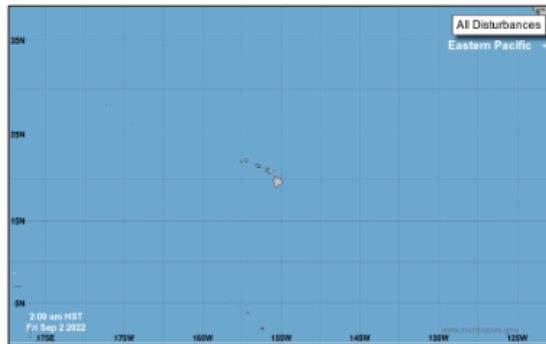
Precipitation & Excessive Rainfall



National Watch Center

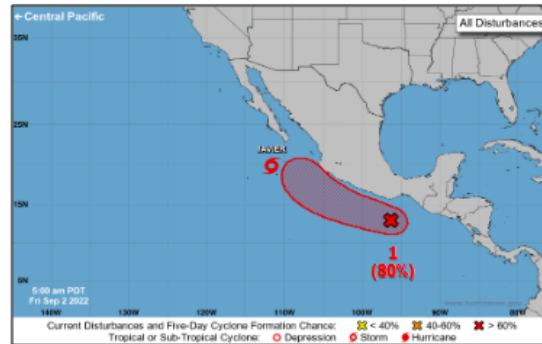
Tropical Outlook – Five Day

Central Pacific



- No new tropical cyclones expected during the next 5 days

Eastern Pacific



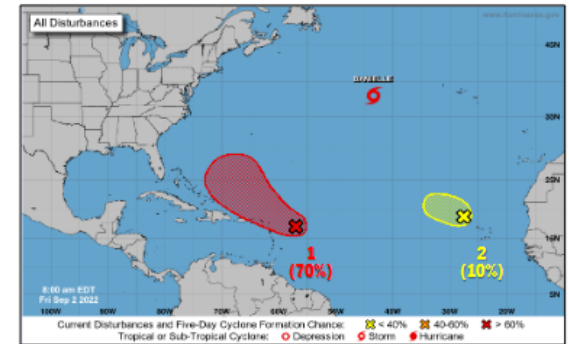
Tropical Storm Javier (Advisory #3 as of 5:00 a.m. ET)

- 235 miles SSW of Cabo San Lucas, Mexico
- Moving NW at 10 mph
- Maximum sustained winds 40 mph
- Some additional strengthening is forecast through Saturday before it begins to weaken by Sunday evening
- Tropical storm force wind extend 80 miles

Disturbance 1 (as of 8:00 a.m. ET)

- Several hundred miles S of the coast of southern Mexico
- Tropical depression is likely to form this weekend or early next week
- Formation chance – 48-hour: Medium (50%); 5-day: High (80%)

Atlantic



Tropical Storm Danielle (Advisory #5 as of 5:00 a.m. ET)

- 890 miles W of the Azores
- Moving E at 3 mph; maximum sustained winds 70 mph
- Forecast to become a hurricane later this morning
- Tropical storm force winds extend 70 miles

Disturbance 1 (91L) (as of 8:00 a.m. ET)

- Located several hundred miles east of the Leeward Islands
- Forecast to move slowly WNW toward the northern Leeward Islands
- Conditions remain only marginally conducive, but any additional development of the system over the next few days would lead to the formation of a tropical depression
- An Air Force Reserve Hurricane Hunter aircraft is scheduled to investigate the system this afternoon
- Formation chance – 48-hour: Medium (50%); 5-day: High (70%)

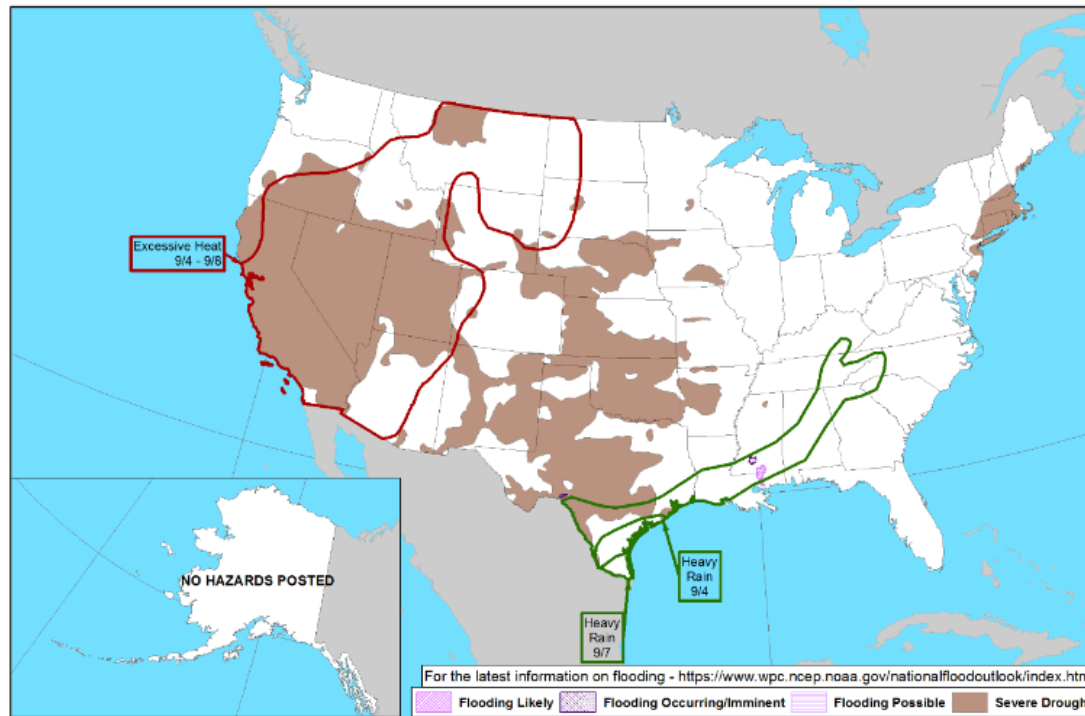
Disturbance 2 (as of 8:00 a.m. ET)

- Located just northwest of the Cabo Verde Islands
- Significant development is not anticipated
- Formation chance – 48-hour: Low (10%); 5-day: Low (10%)

National Watch Center



Hazards Outlook – Sep 4-8



FEMA

National Watch Center

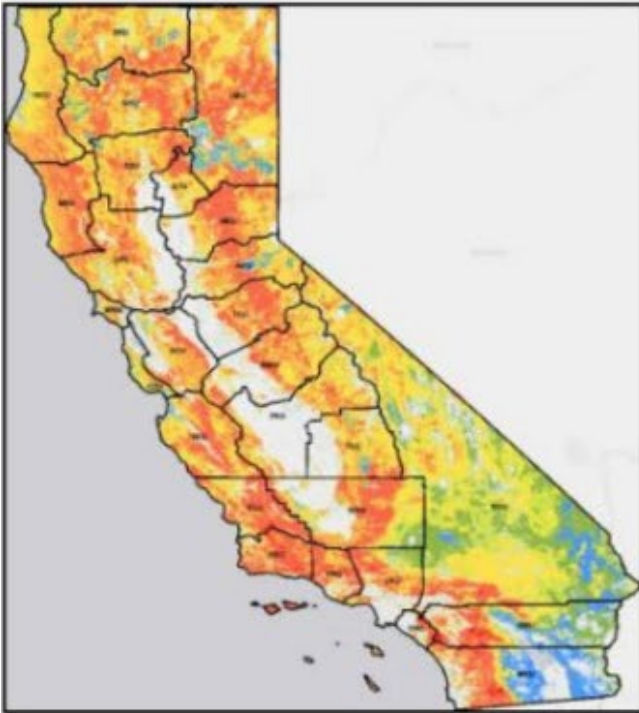
Wildfire Forecast and Threat Intelligence Integration Center

STATEWIDE WILDFIRE RISK POTENTIAL

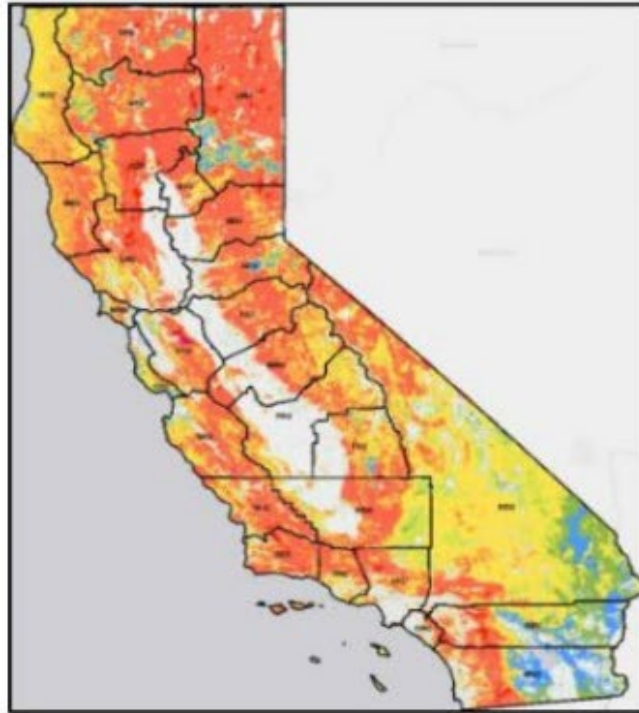
Thursday - 09/01/22

Friday - 09/02/22

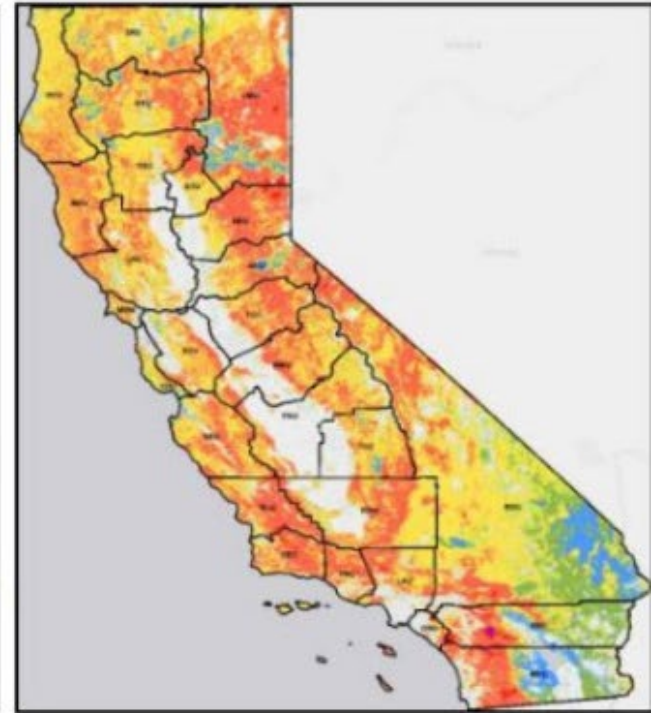
Saturday - 09/03/22



🕒 1200 hrs



🕒 1200 hrs



🕒 1200 hrs

Each map shows the time of day with the highest wildfire risk potential.

Legend: Fire Size Potential (Acres)



Wildfire Forecast and Threat Intelligence Integration Center NOPS-7 DAY SIGNIFICANT FIRE POTENTIAL

Predictive Service Area (PSA)	Thu 01 Sep	Fri 02 Sep	Sat 03 Sep	Sun 04 Sep	Mon 05 Sep	Tue 06 Sep	Wed 07 Sep	Thu 08 Sep
NC01 - North Coast	Low Risk	Low Risk	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
NC02 - Mid Coast To Mendocino	Moderate Risk	Moderate Risk	Moderate Risk	Hot	Hot	Hot	Moderate Risk	Moderate Risk
NC03A - Bay Marine	Low Risk	Low Risk	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
NC03B - Diablo-Santa Cruz Mtns	Moderate Risk	Moderate Risk	Moderate Risk	Hot	Hot	Hot	Moderate Risk	Moderate Risk
NC04 - Northwestern Mtn	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Hot	Hot	Moderate Risk	Moderate Risk
NC05 - Sac Valley/Foothills	Moderate Risk	Moderate Risk	Moderate Risk	Hot	Hot	Hot	Moderate Risk	Moderate Risk
NC06 - NE California	Moderate Risk	Windy	Moderate Risk	Moderate Risk	Hot	Hot	Moderate Risk	Moderate Risk
NC07 - Northern Sierra	Moderate Risk	Windy	Moderate Risk	Hot	Hot	Hot	Moderate Risk	Moderate Risk
NC08 - Far Eastside	Moderate Risk	Windy	Windy	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk

No Data
 No Risk
 Low Risk
 Moderate Risk

H
 W
 L

Hot Windy Lightning



Wildfire Forecast and Threat Intelligence Integration Center SOPS-7 DAY SIGNIFICANT FIRE POTENTIAL

Predictive Service Area (PSA)	Thu 01 Sep	Fri 02 Sep	Sat 03 Sep	Sun 04 Sep	Mon 05 Sep	Tue 06 Sep	Wed 07 Sep	Thu 08 Sep
SC01 - Eastern Sierra	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk
SC02 - Central Sierra	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC03 - Southern Sierra	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC04 - Sierra Foothills	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC05 - Central Valley	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC06 - Central Coast Interior	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC07 - Central Coast	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC08 - South Coast	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk
SC09 - Western Mountains	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC10 - Eastern Mountains	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC11 - Southern Mountains	Low Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC12 - Lower Deserts	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk
SC13 - Eastern Deserts	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk
SC14 - Central Mojave	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC15 - Upper Deserts	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk
SC16 - Northern Deserts	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk	Moderate Risk

No Data
 No Risk
 Low Risk
 Moderate Risk

H
 W
 L
 Hot Windy Lightning



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

FEMA Common Operating Picture

15
Joint Field
Offices

10
Virtual Joint
Field Offices

53
Major
Disasters

10
Emergency
Declarations

Friday
September 2, 2022
8:00 a.m. ET

FEMA HQ	
NWC	NRCC
Monitoring	Rostered
FEMA REGIONS	
Watch	RRCC
Monitoring	I Rostered
Monitoring	II Rostered
Monitoring	III Rostered
Monitoring	IV Rostered
Monitoring	V Rostered
Monitoring	VI Rostered
Monitoring	VII Rostered
Monitoring	VIII Rostered
Monitoring	IX Rostered
Monitoring	X Rostered

N-IMATs	
2-4 Teams Available	
Red	
White	
Blue	
Gold	
R-IMATs	
≥ 7 Teams Available	
I	KY
II	Reconstituting
III	
IV-1	
IV-2	KY
V	1
VI-1	OK
VI-2	
VII	MO
VIII	Reconstituting
IX-1	Personnel
IX-2	Personnel
X	

REGIONAL BREAKDOWN			
	JFO/VFO	DR	EM
I	3/0	9	2
II	3/3	5	3
III	2/0	2	0
IV	1/1	4	2
V	0/0	3	0
VI	2/1	3	3
VII	2/1	5	0
VIII	1/1	5	0
IX	0/1	4	0
X	2/2	13	0

Notes:	
<p>RWC/RRCC:</p> <ul style="list-style-type: none"> • RI RRCC: Deactivated 	<p>STATE EDCs:</p> <ul style="list-style-type: none"> • NJ: Remnants of Ida • PR: Earthquake Recovery • HI: Severe Storm • GA: Supply Chain Disruptions • KY: Water Shortage • KS: All Hazards • KY, MN, MS, MT, NM, TX, VA, WA: Flooding • CO: Avian Influenza • WA: Avian Influenza, Monsoon Wildfires • AZ, OD, NV: Wildfires • AS: Seismic Activity

Surge Capacity Force

Rostered Members: 7,614 (+1)



IM Workforce

13,488 Assigned
4,040 (+32) Unavailable
5,156 (-43) Deployed

32% / 4,292 (+11) Available

IM Cadre Availability ≤ 25% Availability

Civil Rights: 15% (17/115); Field Leadership: 17% (23/139); Hazard Mitigation: 18% (237/1,307); Human Resources: 25% (43/175); Interagency Recovery Coordination: 16% (45/284); Operations: 23% (86/375); Public Assistance: 17% (398/2,312); Planning: 17% (86/493); Safety: 25% (19/77)

MERS
≥ 66%

36 Assigned
0 Unavailable
2 (+1) Deployed

34 (-1) Available

US&R
≥ 66%

28 Assigned
1 Unavailable
0 Deployed

27 Available

FCO
≤ 1 Type I

51 Assigned
4 (+3) Unavailable
42 (+1) (23 FCO) Deployed

5 (-4) Available

Power Grid

Electric Power Grid Status (California Independent System Operator)

<https://www.caiso.com/Pages/default.aspx>

Today's Outlook

Demand

Supply

Emissions

Prices

AS OF 14:00 09/02/2022

Current

Demand trend

Net demand trend

Resource adequacy trend

7-day resource adequacy trend

Grid status	View all alerts	Northern California	Southern California	VEA Region
● Restricted Maintenance Operations		✓	✓	✓

Current and forecasted demand AS OF 14:00

[About demand](#)

Current capacity*

56,939 MW



● **Current demand**
42,379 MW

● **Available next 1 – 4 hours**
10,747 MW – 14,560 MW

↳ **Includes reserves 2,617 MW**



56,939 MW
Current capacity*



42,379 MW
Current demand



2,617 MW
Current reserves



45,377 MW
Forecasted peak
(17:45)



45,237 MW
Tomorrow's
forecasted peak

*Capacity varies due to startup, constraints, outages, congestion, and emergencies. Does not include solar and wind or Demand Response resources. [View all outage reports.](#)

Today's Outlook

Demand

Supply

Emissions

Prices

AS OF **14:00 09/02/2022**

Current

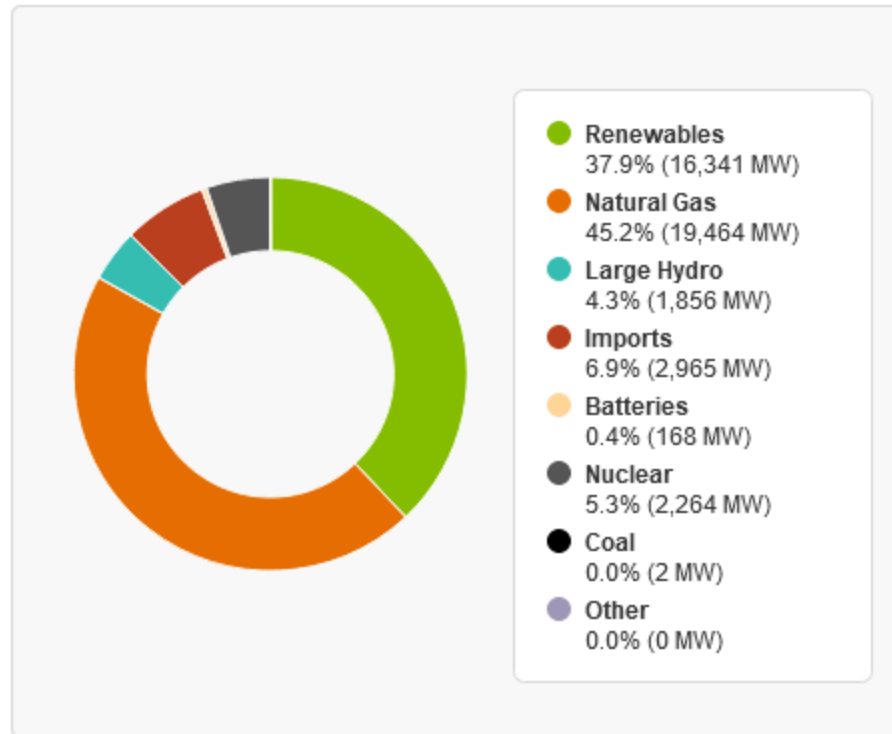
Supply trend

Renewables trend

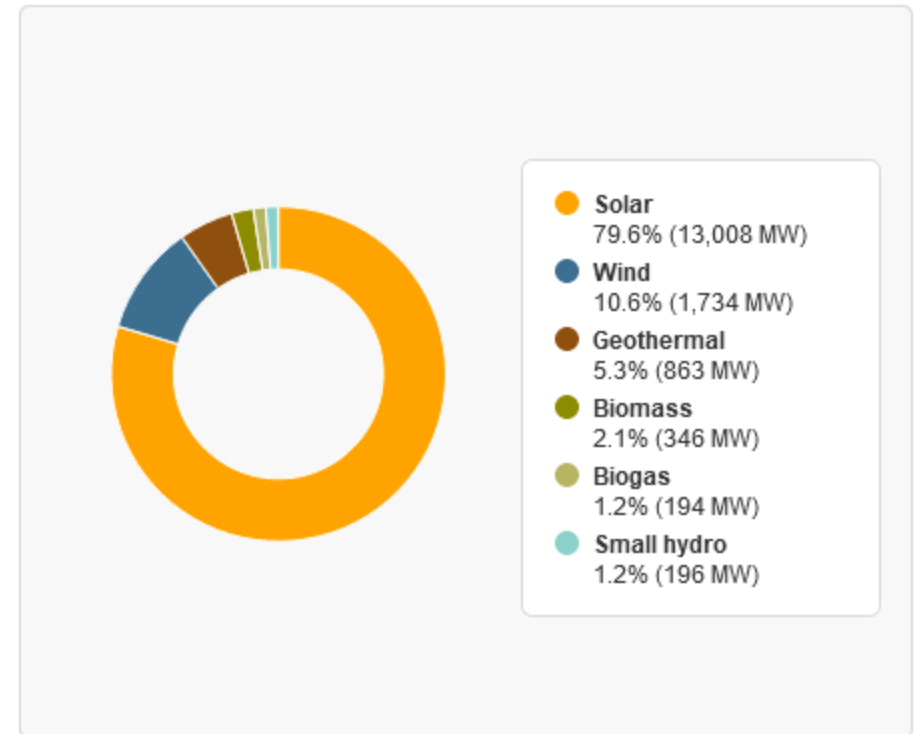
Batteries trend

Imports trend

Current supply



Current renewables



Air Quality

<https://gispub.epa.gov/airnow/?monitors=ozonemp&contours=ozonemp&xmin=-13989352.042696152&xmax=-12101051.69593966&ymin=3798981.9037743965&ymax=4608602.9073707685>

<https://www.airnow.gov/?city=Norco&state=CA&country=USA>

