

National Weather Service - Red Flag Warning

Warning Number: RFW-2024-BAY-015

Issued: October 14, 2024 at 4:00 PM PDT

Effective: October 15, 2024 at 12:00 AM PDT

Expires: October 15, 2024 at 6:00 PM PDT

Affected Areas

- **Sonoma County:** All zones including Santa Rosa Valley
- **Napa County:** Northern sections
- **Lake County:** Eastern hills
- **Mendocino County:** Southern portions

Critical Fire Weather Conditions

Wind Forecast

- **Direction:** Northeast (Diablo winds)
- **Speed:** Sustained 35-50 mph
- **Gusts:** Up to 75 mph in exposed areas
- **Peak Period:** 2:00 AM - 8:00 AM October 15

Humidity

- **Relative Humidity:** 5-12%
- **Minimum:** 8% expected 2:00-6:00 AM
- **Recovery:** Slow, remaining below 20% through morning

Temperature

- **High:** 89°F (well above normal)
- **Low:** 52°F
- **Temperature at incident:** 67°F at 2:30 AM

Fire Weather Index

- **Haines Index:** 6 (Very High)
- **Burning Index:** 97 (Extreme)
- **Energy Release Component:** 85 (Very High)
- **Spread Component:** 78 (High)

Observed Conditions at Incident Time

Station: RAWWS Sonoma County (SOCA1)**

Time: 2:30 AM October 15, 2024

- **Wind:** NE 45 mph, gusts 68 mph - **Humidity:** 8% - **Temperature:** 67°F -

Fuel Moisture: 4% (critically dry)

Power Line Risk Assessment

PG&E Advisory: High risk of equipment failure due to extreme winds **Pre-**

emptive Shutoffs: Considered but not implemented in time **Actual Failures:**

Multiple downed lines reported 2:15-3:00 AM

Meteorologist: Dr. Sarah Martinez, NWS Bay Area

Warning Coordination: Fire Weather Program

Next Update: October 15, 2024 at 6:00 AM PDT