


Incident Status Summary (ICS-209)

Incident: **SCU LIGHTNING COMPLEX**

1. Incident Name: SCU LIGHTNING COMPLEX		2. Incident Number: CA-SCU-005740									
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: J. VEIK (IC)	5. Incident Management Organization: Type 1 Team	6. Incident Start Date/Time: Date: 08/16/2020 Time: 0556 PDT								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 343965 Acres	8a. Percent (%) Contained or Completed: 10 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	9. Incident Type: Wildfire B. Incident Description: C. Cause: Unknown D. Fire Suppression Strategy:									
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Strategy</th> <th style="width: 50%;">Percent (%)</th> </tr> </thead> <tbody> <tr> <td>Monitor</td> <td></td> </tr> <tr> <td>Confine</td> <td></td> </tr> <tr> <td>Point Zone Protection</td> <td></td> </tr> <tr> <td>Full Suppression</td> <td style="text-align: center;">100</td> </tr> </tbody> </table>		Strategy	Percent (%)	Monitor		Confine		Point Zone Protection	
Strategy	Percent (%)										
Monitor											
Confine											
Point Zone Protection											
Full Suppression	100										
		10. Incident Complexity Level: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Complex	11. Report Time Period: From Date/Time: 08/23/2020 0600 PDT To Date/Time: 08/23/2020 1630 PDT								
12. Prepared By: Print Name: Roy Broomfield (SITL) Date/Time Prepared: 08/23/2020 1700 PDT		13. Approved By: Print Name: Dustin Martin (DPIC) Signature: 									
14. Date/Time Submitted: 08/23/2020 1724 PDT		15. Primary Location, Organization, or Agency Sent To: North Ops									
16. State: CA	17. County / Parish / Borough: Contra Costa	18. City: Pleasanton									
19. Unit or Other:	20. Incident Jurisdiction: CA-SCU	21. Incident Location Ownership (if different than jurisdiction): CA-SCU									
22. Latitude/Longitude: Latitude: 37° 52' 55" Longitude: 121° 46' 38"	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township: Range: Section: 1/4 Sec: of 1/4 Sec:									
25. Short Location or Area Description (list all affected areas or a reference point): Multiple locations across Diablo Mountain Range.			26. UTM Coordinates: Zone: Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): https://ftp.nifc.gov/public/incident_specific_data/calif_n/!CALFIRE/!2020_Incidents/CA-SCU-005740_SCU_Lightning_Complex/											
28. Observed Fire Behavior or Significant Events for the Time Period Reported (describe fire behavior using accepted terminology. For non-fire incidents, describe significant events related to the materials or other causal agents): Extreme Uphill Runs											

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**Isolated Torching
Long-range Spotting**

Narrative:
Fire continues to burn in remote areas. Rollout continues in the steep canyons and drainages, producing slope reversal runs. Fire weakened timber and branches continue to release blocking roadways. Visibility has been greatly reduced on all zones today due to the other fires in the region and the incoming storm system.

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):

**Tall Grass (2.5 feet)
Chaparral (6 feet)
Timber (Grass and Understory)**

Narrative:

30. Damage Assessment Information (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc):

An FMAG has been approved on 8-21 for Santa Clara, Stanislaus, counties. Damage assessment is ongoing. SCU LIGHTNING COMPLEX started on August 16, with multiple fires within the complex. These fires have since merged into two major fires and are broken into three zones; Deer, Canyon and Calaveras. There is approximately 20000 structures and numerous critical infrastructure in the immediate area of the fire. The fires continue to burn in steep inaccessible terrain influenced by low RH and high daytime temperatures. Red Flag warning in effect starting Sunday Morning.

Highways Closed:

Hwy 130

Roadways Closed:

Mines Road, Del Puerto Canyon Rd, Diablo Grande Parkway

Alameda County:

Planning for Potential for Evacuations for City of Livermore, City of Pleasanton, Fremont affecting, 124,172 of persons and roughly 44,663 structures.

Evacuations in progress for communities affecting 128 persons.

Current orders for communities off of Calaveras Rd, Canyon Reservoir Area

Current Warnings for communities east of mission Blvd, south of Vallecitos Rd, Wetmore, Tesla Rd, Hwy 580.

Current Evacuations: 128 Potential

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	20,000	0	12
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	65	0	0
H. Nonresidential Commercial Property	0	0	0
I. Other Minor Structures	0	0	5

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Evacuations: 124,172

SANTA CLARA COUNTY

Planning for Potential Evacuations

Unincorporated area of San Martin and east of Hwy 101.

Evacuations in progress affecting 3962 persons: Magnolia way, Lower Thomas Grade, Meltcalf Rd, Coyote Creek.

Current warnings for unincorporated area of San Martin and East of Hwy 101.

Current Order: East of Anderson Lake, Henry Coe state park Quimby Rd, San Felipe, HWY 130 Hamilton Rd, Calaveras Lake, Ed Levine Park, East and North of HWY 152, East of Coyote Lake Holiday Lake Estates.

Current Evacuations: 3962 Potential Evacuations: 7203

SAN BENITO COUNTY

Planning for Potential Evacuations south of HWY 152.

Evacuations in progress: NONE.

Current warnings for area south of HWY 152.

Current Order: None.

Current Evacuations: 0 Potential Evacuations: 212

SAN JOAQUIN COUNTY

Planning for Potential Evacuations in communities, affecting 127 of persons.

Evacuations in progress for area West of I5 affecting 189 of persons.

Current warnings for area north of S. Corral Hollow Rd, West of I5

Currents orders west of I5, south of Corral Hollow Rd.

Current Evacuations: 189 Potential Evacuations: 117

STANISLAUS COUNTY

Planning for Potential Evacuations in Diablo Grande Parkway, affecting 3133 of persons.

Evacuations in progress for communities affecting 10 of persons.

Current warnings for communities Diablo Grande Estates

Current Orders for Stanislaus Count West of I5 excluding Diablo Grande Estates.

Current Evacuations: 10 Potential Evacuations: 3133

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<p>MERCED COUNTY Planning for Potential Evacuations in area around Santa Nella and West of I5, affecting 21 of persons. Evacuations in progress affecting 0 of persons. Current warnings for west of I5, North of HWY 152 excluding Santa Nella Current Orders for Communities: None at this time. Current Evacuations: 0 Potential Evacuations: 21</p>	
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31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i>				32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>			
	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0	D. Fatalities	0		0
E. With Injuries/Illness	2	0	2	E. With Injuries/Illness	2	0	2
F. Trapped/In Need of Rescue	0		0	F. Trapped/In Need of Rescue	0		0
G. Missing	0		0	G. Missing	0		0
H. Evacuated	6,323	0	6,323	H. Evacuated	0		0
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0	J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0	K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0	L. Require Immunizations	0		0
M. In Quarantine	0		0	M. In Quarantine	0		0
N. Total # Civilians (Public) Affected:	6,325	0	6,325	N. Total # Responders Affected:	2	0	2

<p>33. Life, Safety, and Health Status/Threat Remarks: Heavy fire activity in the region is straining resource availability and has presented a challenge to fire control. Critically low fuel moistures and steep terrain will continue to contribute to extreme fire behavior. COVID-19 precautions continue to be a high priority for all personnel.</p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Summary: Red Flag Warning for dry lightning and gusty outflow winds continues through 5 pm Monday. Right now the best chance for thunderstorms looks like it will be overnight into Monday morning and then another chance Monday afternoon. Any</p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%;">Active?</th> </tr> </thead> <tbody> <tr> <td>A. No Likely Threat</td> <td></td> </tr> <tr> <td>B. Potential Future Threat</td> <td style="text-align: center;">X</td> </tr> <tr> <td>C. Mass Notifications in Progress</td> <td style="text-align: center;">X</td> </tr> <tr> <td>D. Mass Notifications Completed</td> <td></td> </tr> <tr> <td>E. No Evacuation(s) Imminent</td> <td></td> </tr> <tr> <td>F. Planning for Evacuation</td> <td style="text-align: center;">X</td> </tr> <tr> <td>G. Planning for Shelter-in-Place</td> <td></td> </tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress	X	D. Mass Notifications Completed		E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place	
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<p>thunderstorms will bring the threat of new starts. Gusty outflow winds remain a concern for unpredictable fire spread and safety of firefighters. Temperatures warmed into the upper 80s to lower 90s with humidity from 20-30% Southwest winds gusting from 15-25 mph this afternoon.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Active?</th> </tr> </thead> <tbody> <tr> <td>H. Evacuation(s) in Progress</td> <td style="text-align: center;">X</td> </tr> <tr> <td>I. Shelter-in-Place in Progress</td> <td style="text-align: center;">X</td> </tr> <tr> <td>J. Repopulation in Progress</td> <td></td> </tr> <tr> <td>K. Mass Immunization in Progress</td> <td></td> </tr> <tr> <td>L. Mass Immunization Complete</td> <td></td> </tr> <tr> <td>M. Quarantine in Progress</td> <td></td> </tr> <tr> <td>N. Area Restriction in Effect</td> <td style="text-align: center;">X</td> </tr> <tr> <td>O. Road Closure</td> <td style="text-align: center;">X</td> </tr> <tr> <td>P. Trail Closure</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Q. Area Closure</td> <td style="text-align: center;">X</td> </tr> </tbody> </table>		Active?	H. Evacuation(s) in Progress	X	I. Shelter-in-Place in Progress	X	J. Repopulation in Progress		K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect	X	O. Road Closure	X	P. Trail Closure	X	Q. Area Closure	X
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36. Projected Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour time frames:

12 hours: A RED FLAG REMAINS IN PLACE FOR DRY LIGHTNING AND WINDS. All controls lines in the complex will be wind tested by the incoming thunder storm system. Any uncontrolled sections and new ignitions will have the ability to rapidly grow.

24 hours: A RED FLAG REMAINS IN PLACE FOR DRY LIGHTNING AND WINDS. The second system will continue through 5pm Monday with another chance for thunderstorm activity and gusty outflow winds. New ignitions, and holdovers, will grow rapidly. Continued reduced visibility.

48 hours: The fires perimeter is expected to grow when in alignment with topography and the wind and move into more urban areas due to limited staffing. Hot and dry conditions will continue to make a receptive fuel bed for spot fires to initiate and grow rapidly.

72 hours: The fires perimeter is expected to grow when in alignment with topography and the wind and move into more urban areas due to limited staffing. Hot and dry conditions will continue to make a receptive fuel bed for spot fires to initiate and grow rapidly.

Anticipated after 72 hours:

37. Strategic Objectives (define planned end-state for incident):

Currently the incident is using aerial assets to assist in perimeter updates and operational decisions on the complex.

Canyon Zone and Calaveras Zone
Keep the fire North of Hwy 152
Keep the fire West of I-5
Keep the fire South of Corral Hollow Rd.
Keep the fire East of I-680 and Hwy 101

Deer Zone
Keep individual fires within current perimeters

Protect the numerous structures and critical infrastructure threats with the allotted resources.

38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond. Summarize primary incident threats to life, property, communities and community stability, residences, health care facilities, other critical infrastructure and key resources, commercial facilities, natural and environmental resources, cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:

12 hours: Fires are burning in remote places, some of the terrain has little to no fire history with decadent fuels which has allowed the fire growth to explode. The fire is currently threatening

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Lawrence Livermore Lab and Stanford Research Institute. Currently there is widespread threat to critical infrastructure of communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC. PG&E has significant transmission assets (500kV, 230kV & 115kV lines) in the Calaveras and Canyon fire footprints as well as two sub stations that provide power to 11 other states, and a large Natural gas facility. These are significant transmission and sub stations that serve northern and central California, including the Bay Area and western portion of the United States. These lines are critical to help maintain the stability of the electrical grid. The State Water Project is currently threatened and it serves 27 million people and 750,000 acres of farmland throughout California. Critical SWP facilities impacted by the SCU Complex, Gianneli Pumping/Generating Plant on the San Luis Reservoir in Merced County. Del Valle Dam on Arroyo Valle Creek in Livermore (Classified as an Extreme High Hazard Dam).

Culture and historic assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, Upper Cottonwood creek wildlife area and Henry Coe State Park as well as prehistoric culture sites Like the summer campsite of the Ohlone Indians. Remnants of these structures dating back to 1700s as well as their grinding pedestals. Additionally threatened, a local barn dating back into the mid 1800s. Threats exist to amphibious animals such as the red legged frog, coastal horned lizard, western pond turtle, California tiger salamander, central California roach, Alameda whip snake and other listed amphibians and Tule elk.

Threatened commercial grazing lands, vineyards, olives and almonds could have an economic impact locally and nationally if the threat to them isn't mitigated. Adobe Springs is the source for multiple brands of bottled water. One is bottled at the Seven-Up plant in Modesto, CA, under their label, Noah's Spring Water, and distributed in California and several other states. Another brand, hiOsilver Oxygen Water, is bottled in glass in Modesto. If the threat to their infrastructure and spring isn't mitigated it could be impacted by debris and water shed being contaminated and affect the economic impact of multiple water bottling companies and the local personnel who work in these two locations.

Threat to entire Diablo grande, Del Puerto, and San Antone communities totaling roughly 350 homes

Communities at risk: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, Fremont

24 hours: Fires are burning in remote places, some of the terrain has little to no fire history with decadent fuels which has allowed the fire growth to explode. The fire is currently threatening Lawrence Livermore Lab and Stanford Research Institute. Currently there is widespread threat to critical infrastructure of communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC. PG&E has significant transmission assets (500kV, 230kV & 115kV lines) in the Calaveras and Canyon fire footprints as well as two sub stations that provide power to 11 other states, and a large Natural gas facility. These are significant transmission and sub stations that serve northern and central California, including the Bay Area and western portion of the United States. These lines are critical to help maintain the stability of the electrical grid. The State Water Project is currently threatened and it serves 27 million people and 750,000 acres of farmland throughout California. Critical SWP facilities impacted by the SCU Complex, Gianneli Pumping/Generating Plant on the San Luis Reservoir in Merced County. Del Valle Dam on Arroyo Valle Creek in Livermore (Classified as an Extreme High Hazard Dam).

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Anticipated after 72 hours:

39. Critical Resource Needs in 12-, 24-, 48-, and 72-hour timeframes and beyond to meet critical incident objectives. List resource category, kind, and/or type, and amount needed, in priority order:

	02 Alpha Strike Teams 09 Charlie Strike Teams 03 Foxtrot Strike Teams 4 Single Type 3 Engines
12 hours:	10 Golf Strike Teams 15 Type 2 Handcrews 09 Single Dozers 6 DIVS 08 HEQB 4 Type 1 Helicopters 4 Type 2 Helicopters
24 hours:	02 Alpha Strike Teams 09 Charlie Strike Teams 03 Foxtrot Strike Teams 4 Single Type 3 Engines 10 Golf Strike Teams 15 Type 2 Handcrews 09 Single Dozers 6 DIVS 08 HEQB 4 Type 1 Helicopters 4 Type 2 Helicopters
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**10 Golf Strike Teams 15 Type 2 Handcrews 09 Single Dozers 6 DIVS 08 HEQB
4 Type 1 Helicopters 4 Type 2 Helicopters**

Anticipated after 72 hours:

40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:

- 1) critical resource needs identified above,
- 2) the Incident Action Plan and management objectives and targets,
- 3) anticipated results.

Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.

Crews will build direct and indirect fireline. The fire continues to burn in steep terrain and is influenced by terrain driven runs, extreme temperatures, and low RHs. The canyon and calaveras fires have merged together, the incident is in need of critical resources to protect sensitive wildlife, commercial agricultural and the critical power and communication infrastructure throughout the area as well as future structure threat of urban areas. Heavy fire activity in the region is straining resource availability and has presented a challenge to fire control.

41. Planned Actions for Next Operational Period:

Crews will continue to scout for safe access points in order to construct direct and indirect fire line. Crews will continue to secure lines of smaller lightning fires and patrol them. Mitigate ongoing structure threat, Most crews assigned to the incident were part of the initial attack.

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):

43. Anticipated Incident Containment or Completion Date: **09/01/2020**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$14,463,883.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):

An FMAG for this incident has been approved on 8-21 for Santa Clara, Stanislaus counties.

FIRE	STRATEGY	ACRES	CONTAINMENT	EST COST
CANYON/RESERVOIR	100	340,861	9/1	\$14336646
DEER	100	3,104	8/23	\$127,237

ALL FIRES WILL HAVE 100 ON PERIMETER

Temporary Evacuation points:

Creskide Middle School 535 Peregrine Dr, Patterson, CA 95363

Milpitas Library 160 N Main St Milpitas, CA 95035

Ann Sobrato High School Performing Arts Building 401 Burnett Ave. Morgan Hill, CA 950

ANIMAL SHELTER:

County of Santa Clara Animal Services: 408-686-3900 For the unincorporated areas of Santa Clara County, Morgan Hill, and Gilroy

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49. Resources (summarize resources by category, kind, and/or type; show # of resources on top 1/2 of box, show # of personnel associated with resource on bottom 1/2 of box):

48. Agency or Org		CR1	CR2	CRC	HEL1	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers
C&L	Rsrc	0	0	0	0	0	22	19	0	1	2	0	0	2		
	Pers	0	0	0	0	0	84	66	0	2	4	0	0	4	28	188
CA	Rsrc	0	0	3	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	31	0	0	0	0	0	0	0	0	0	0	1	32
CA-CDF	Rsrc	11	0	3	0	0	0	54	0	0	13	1	1	0		
	Pers	220	0	36	0	0	0	216	0	0	26	2	11	0	49	560
FS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID	Rsrc	0	1	0	0	0	0	2	4	11	0	0	0	0		
	Pers	0	14	0	0	0	0	9	8	22	0	0	0	0	0	53
OES	Rsrc	0	0	0	0	0	35	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	140	0	0	0	0	0	0	0	1	141
PRI	Rsrc	0	5	0	3	2	0	0	0	0	15	0	0	40		
	Pers	0	100	0	6	4	0	0	0	0	30	0	0	74	108	322
WA	Rsrc	0	0	0	0	0	0	2	0	2	0	0	0	0		
	Pers	0	0	0	0	0	0	6	0	34	0	0	0	0	0	40
52. Total Resources		11	6	6	3	2	57	77	4	14	30	1	1	42		1336

53. Additional Cooperating and Assisting Organizations Not Listed Above:
Pleasanton P.D, Santa Clara Public Safety Communications, San Joaquin OES, San Joaquin County S.O, Stanislaus County S.O/OES, Santa Clara County S.O, PG&E, CHP, Alameda County S.O, Alameda County F.D, Adobe Springs Water & Electric, West Side Stanislaus Resource Conservation, Stanislaus County S.O, Merced County S.O, San Martine P.D, San Martine F.D, Fremont P.D, Fremont F.D, San Jose P.D, San Jose F.D, Milpitas P.D, Milpitas F.D., Gilroy P.D, Gilroy F.D, Morgan Hill PD, Morgan Hill F.D, Stanislaus County Fire Dept, Stanislaus OES, TID Power, Contra Costa OES, Santa Clara OES, East Bay Regional Park and National Guard.