Incident: **SCU LIGHTNING COMPLEX**

1. Incident Name: SCU LIGHTNING COMPLEX 2. Incident Number: CA-SCU-005740										
3. Report Version (check one box): Initial X Update Final		ommander(s) & Agen		dent Manageme zation: Type 1 Team						
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 137475 Acres	(%) Contained or Completed: 5 %	9. Incident Type: Wildfire B. Incident Description C. Cause: Unknown D. Fire Suppression Strategy Monitor Confine Point Zone Protection Full Suppression		10. Incident Complexity Level: X Single Complex	11. Report Time Period: From Date/Time: 08/19/2020 1800 PDT To Date/Time: 08/20/2020 0545 PDT					
12. Prepared By: Print Name: Roy Broomfield (SITL) Date/Time Prepared: 08/20/2020 0545 PDT 13. Approved By: Print Name: Dustin Martin (DPIC) Signature: 14. Date/Time Submitted: 15. Primary Location, Organization, or Agency Sent To: North Ops										
CA C	7. County / Paris		1	('C 4''C'	18. City: Pleasanton					
19. Unit or Other: 20. Incident Jurisdiction: 21. Incident Location Ownership (if different than jurisdiction): CA-SCU 22. Latitude/Longitude: 23. US National Grid Reference: Grid Zone: Frincipal Meridian: Township: Range: Section: y-Coordinate: y-Coordinate: 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. 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-005772_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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Long-range Spotting Single Tree Torching

Narrative:

Steep terrain is causing an abundance of rollout which is aiding fire spread in remote areas. Heavy smoke from regional fires is greatly hampering visibility for personal and aircraft.

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):

The SCU LIGHTNING COMPLEX started on August 16, there are approximately 20 separate fires within the complex. The complex is broken into three zones; Canyon, Calaveras, and Deer. The fires continue to burn in steep inaccessible terrain influenced by low RH and high daytime temperatures. On 8/19/2020 at approximately 0051 hours a 500Kv line in the footprint of the Calaveras fire was impacted due to the fire and is currently out of service.

Highways Closed: Hwy 130

Roadways Closed: Mines Road Del Puerto Canyon Rd Diablo Grande Parkway

The following Evacuation orders and warning have been given under the complex:

SANTA CLARA COUNTY:

EVACUATION ORDER

East of San Jose city limits
South of Mt. Hamilton Rd.
North of Metcalf Rd. & San Felipe Rd., east to the county line East of San Antonio Valley Rd. to Del Puerto Canyon Rd. to the county line

B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed	
6,000	0	0	
0	0	0	
20	0	0	
0	0	0	
0	0	0	
	to 72 hrs) 6,000	to 72 hrs) Damaged 6,000 0 0	

Incident: SCU LIGHTNING COMPLEX

South of Stanislaus County Line between Santa Clara County Line and I-5
West of I-5
North of Stanislaus/Merced County Line
East of Santa Clara County Line
East of Ed Levine County Park, Felter Rd., Sierra
Rd., Toyon Ave., and Mt. Hamilton Rd. to Three
Springs Rd.

North of Mt. Hamilton Rd. to Three Springs Rd. South of Santa Clara County Line West of fire perimeter

EVACUATION WARNING

East of Shingle Valley Rd. and everything East of Anderson Lake, East of Coyote Creek, East of Coyote Reservoir, East of Roop Rd. East of Leavesley Rd., East of Crews Rd., East of Ferguson Rd.

East and North of Hwy 152

West of the Merced County Line, North of Hwy 152

South of Metcalf Rd. at Shingle Valley Rd., East to the Stanislaus County Line East of San Jose city limits

South of Mt. Hamilton Rd.

North of Metcalf Rd. & San Felipe Rd., east to the county line

East of San Antonio Valley Rd. to Del Puerto

Canyon Rd. to the county line

EVACUATION ORDER

North of 130 to Santa Clara County Line West of San Antonio Valley Rd. West of Mines Rd. to Santa Clara County Line East of 3 Springs Rd. and Mt. Hampton Rd. South of Santa Clara County Line

ALAMEDA COUNTY:

EVACUATION ORDER

All of Mines Road, south of Mile Marker 10 to the county line

STANISLAUS COUNTY:

EVACUATION WARNING

Incident: SCU LIGHTNING COMPLEX

South of Diablo Grande Parkway and the Diablo Community to the Stanislaus/Merced County Line

West of I-5

North of Stanislaus/Merced County Line East of Santa Clara County Line

CONTRA COSTA COUNTY:

Marsh Creek Road round valley to Morgan Territory All of Morgan Territory and Marsh Creek mobile home park

EVACUATION WARNING

East of Ed Levin County Park, Felter Rd., Sierra Rd., Toyon Ave. and Mt. Hampton Rd. to 3 Springs Rd.

North of Mt. Hamilton Rd. to 3 Springs Rd. South of Santa Clara County Line West of the Fire Perimeter Frank Rains Park to Mines Road Del Puerto Canyon Road 1 mile to Mines Road

Crews were actively engaged in structure defense last night, Damage assessment is ongoing.

31. Public Status Summary:			32. Responder Status Summary:					
C. Indicate the Number of <u>C</u>	i <u>vilians</u> (Pub	blic) Below	C. Indicate the Number of Responders Below:					
	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	0		0	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	6,203	0	6,203	H. Evacuated	203	0	203	
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0	
J. In Temporary Shelters	О		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:	6,203	0	6,203	N. Total # Responders Affected:	205	0	205	

Incident: SCU LIGHTNING COMPLEX

33. Life, Safety, and Health Status/Threat Remarks:	34. Life, Safety, and Health Th	reat		
Very limited resources assigned to the incident, Steep terrain, and	Management:	ii cat		
the continued hot, dry and windy conditions will be a concern for		Active?		
fireline personnel. Critically low fuel moistures will continue to	A. No Likely Threat			
contribute to extreme fire behavior. COVID-19 precautions continue	B. Potential Future Threat	X		
to be a high priority for all personnel. 35. Weather Concerns (synopsis of current and predicted weather; discuss	C. Mass Notifications in Progress	x		
related factors that may cause concern):	D. Mass Notifications Completed	there are a reservoir and the second second		
	E. No Evacuation(s) Imminent	***************************************		
Poor humidity recovery was observed overnight with little or no	F. Planning for Evacuation	x		
recovery from 10-20%. West winds continued to impact the Deer Zone until after midnight where gusts to 30 mph were observed.	G. Planning for Shelter-in-Place			
Temperatures continued to be mild with lows mainly in the 70s to	H. Evacuation(s) in Progress			
lower 80s.	I. Shelter-in-Place in Progress	And also and address the same and an area and		
	J. Repopulation in Progress	at terral section the manifest of the color		
Deer Zone:	K. Mass Immunization in Progress	30.00 a \$10.00 (10.0		
Lows 66-72	L. Mass Immunization Complete	delevered beneficial billionists and conflict of		
RH : 30-40%	M. Quarantine in Progress	toring descriptions were no		
West winds 10-15 mph gusts 25-30 mph much of the night	N. Area Restriction in Effect	North Control of the		
Coloura no	O. Road Closure	X		
Calaveras zone:	P. Trail Closure	X		
Lows 72-82, warmest above 2000 feet.	Q. Area Closure	X		
RH: Little or no recovery 9-19% overnight. Winds: West to Northwest 5-10 mph		<u></u>		
Canyon Zone:				
Lows 80-85				
RH: steady 20-30% overnight, locally 10-15% in thermal belts above 1500 feet.				
Wind: Ridge winds 5-10 mph evening gusts 15 mph then light overnight. Light downslope winds lower slopes.				

	ted Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next al period and in 12-, 24-, 48-, and 72-hour time frames:
12 hours:	The fires perimeter is expected to grow when in alignment with topography and the wind and move into more urban areas. Hot and dry conditions have brought fuels to a critical level, which will cause rapid fire growth continued with long range spotting.
24 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.
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. Extremely poor overnight RH recovered is expected to maintain active fire spread spread during evening hours.
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. Extremely poor overnight RH recovered is expected to maintain active fire spread spread during evening hours.

Incident: SCU LIGHTNING COMPLEX

Anticipated after 72 hours:

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

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. 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 Branches XXV, XV & XVI in the Calaveras and Canyon fire footprints. These are significant transmission lines that serve northern and central California, including the Bay Area. These lines are critical to help maintain the stability of the electrical grid. On 8/19/2020 at approximately 0051 hours a 500Kv line in the footprint of the Calaveras fire was impacted due to the fire and is currently out of service. Given the anticipated fire growth over the next several days, and the lack of resources supporting the fires, there are two 500kV substations in the potential path of the fire spread. These substations also support power as far south as southern Californian and into neighboring western states. Given the current conditions of the extreme heat wave currently impacting California, and the multiple other fires in the state, the protection of these transmission lines and substation should be given high priority. These lines are critical to help maintain the stability of the electrical grid. Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, and Henry Coe State Park as well as prehistoric culture sites. 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. Threaten biological resources in the fire perimeter are, Phacelia phacelioides, Navarretia gowenii, Pentachaeta exilis ssp. aeolica, Campanula exigua, and Leptosyne hamiltonii. The fire is a rapid expanding incident that is threatening numerous structures and large urban cities and a sixth county (Merced).

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:

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current conditions of the extreme heat wave currently impacting California, and the multiple other fires in the state, the protection of these transmission lines and substation should be given high priority. These lines are critical to help maintain the stability of the electrical grid. Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, and Henry Coe State Park as well as prehistoric culture sites. 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. Threaten biological resources in the fire perimeter are, Phacelia phacelioides, Navarretia gowenii, Pentachaeta exilis ssp. aeolica, Campanula exigua, and Leptosyne hamiltonii. The fire is a rapid expanding incident that is threatening numerous structures and large urban cities and a sixth county (Merced).

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hamiltonii. The fire is a rapid expanding incident that is threatening numerous structures and

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72 hours:

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including the Bay Area. These lines are critical to help maintain the stability of the electrical grid. On 8/19/2020 at approximately 0051 hours a 500Kv line in the footprint of the Calaveras fire was impacted due to the fire and is currently out of service. Given the anticipated fire growth over the next several days, and the lack of resources supporting the fires, there are two 500kV substations in the potential path of the fire spread. These substations also support power as far south as southern Californian and into neighboring western states. Given the current conditions of the extreme heat wave currently impacting California, and the multiple other fires in the state, the protection of these transmission lines and substation should be given high priority. These lines are critical to help maintain the stability of the electrical grid. Culture assets threatened include, Sunol Regional Preserve, Ohlone Regional Preserve, and Henry Coe State Park as well as prehistoric culture sites. 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. Threaten biological resources in the fire perimeter are, Phacelia phacelioides, Navarretia gowenii, Pentachaeta exilis ssp. aeolica, Campanula exigua, and Leptosyne hamiltonii. The fire is a rapid expanding incident that is threatening numerous structures and large urban cities and a sixth county (Merced).

- 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: 30 Golf Strike Teams 21 Type 3 Strike Teams 01 Type 6 Strikes Team 03 Type 2 IA Handcrews 12 Single Dozers 12 hours: 04 Lima Strike Teams 12 Watertenders 16 DIVS
 - 02 FALM
 - 09 STEN

 - 30 Golf Strike Teams
 - 21 Type 3 Strike Teams
 - 01 Type 6 Strikes Team
 - 03 Type 2 IA Handcrews
- 12 Single Dozers
- 24 hours:
 - 04 Lima Strike Teams
 - 12 Watertenders
 - 16 DIVS
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 - **09 STEN**
 - 30 Golf Strike Teams
 - 21 Type 3 Strike Teams
 - 01 Type 6 Strikes Team
 - 03 Type 2 IA Handcrews
- 12 Single Dozers 48 hours:
 - 04 Lima Strike Teams
 - 12 Watertenders
 - 16 DIVS
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72 hours: **30 Golf Strike Teams**

Incident: SCU LIGHTNING COMPLEX

- 21 Type 3 Strike Teams
- 01 Type 6 Strikes Team
- 03 Type 2 IA Handcrews
- 12 Single Dozers
- 04 Lima Strike Teams
- 12 Watertenders
- 16 DIVS
- 02 FALM
- 09 STEN

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 where possible. The fire continues to burn in steep terrain and is influenced by terrain driven runs, extreme temperatures, and low RHs. The incident is in need of critical resources to protect sensitive wildlife 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 may present 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. Midegate ongoing structure threat, Continued recon for new starts from lightning storm on August 16, 2020. 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: 09/16/2020
- 44. Projected Significant Resource Demobilization Start Date:
- 45. Estimated Incident Costs to Date: \$3,791,770.00
- 46. Projected Final Incident Cost Estimate:
- 47. Remarks (or continuation of any blocks above list block number in notation):

CALFIRE IMT 6 has transitioned all of the fires into the SCU LIGHTNING COMPLEX- CA SCU 005740 as of August 17, 2020. It is expected that more fires will become part of the SCU LIGHTNING COMPLEX.

FIRE STRATEGY ACRES CONTAINMENT EST COST TO DATE MARSH 100 3,000 9/16 \$46,310

CANYON 100 104200 9/16 \$3,791,770 RESERVOIR 100 27550 9/16 \$416,651

DEER 100 3,000 8/22 \$138,930

ARROYO 100 190 8/22 \$8,753

Evacuation Centers:

Stanislaus County

Creekside Middle School, Patterson, CA

49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box);

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48. Agency or Org		CR1	CR2	CRC	HEL1	HEL3	ENG3	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers	ALT STEEL AND TO THE STEEL AND
	Rsrc	0	0	0	0	0	0	0	0	0	0			to the less than
C&L	Pers	0	0	0	0	0	0	0	0	0	0	28	28	Description of the contract of
	Rsrc	0	0	2	0	0	0	0	0	0	0			teachtaithe tha
CA	Pers	0	0	23	0	0	0	0	0	0	0	1	24	758
	Rsrc	6	6	2	0	0	49	13	1	1	0			2.34 - 9.4
CA-CDF	CA-CDF Pers	180	120	25	0	0	197	26	2	11	0	49	610	
J bg	Rsrc	0	0	0	0	0	17	2	0	0	2	aukte	97. 4.	and the second of the first
FS	Pers	0	0	0	0	0	68	4	0	0	4	0	76	
	Rsrc	0	0	0	0	0	0	0	0	0	0			
OES	Pers	0	0	0	0	0	0	0	0	0	0	1	1	camera Mora error de
	Rsrc	0	5	0	3	1	0	11	0	0	30	190,000	terinar	rami sasignija a. C
PRI	Pers	0	100	0	6	2	0	22	0	0	59	108	297	January Augustra i Auduse Moutho Konstanton i Andrick and Maria and Shoul
52. Total Resources	8 (1) (1) (1) (1) (1)	6	11	4	3	1	66	26	1	1	32		1036	office resource in

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, 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, and Santa Clara OES.