Incident: **SCU LIGHTNING COMPLEX** 

1. Incident Name: <b>SC</b>	U LIGHTNING	COMPLEX		2. Inc	ident Numbe <b>CA-</b> :		05740
3. Report Version (checlone box): Initial X Update Final		Commander(s) & Agen		rganizat	it Managemer ion: ype 1 Team	2.6	6. Incident Start Date/Time: Date: <b>08/16/2020</b> Time: <b>0556 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 229968 Acres			Strategy: Percent (	Co Lev <b>X</b>	. Incident mplexity vel: Single Complex	From <b>08/2</b> To Da	eport Time Period: Date/Time: 0/2020 1800 PDT te/Time: 1/2020 0500 PDT
12. Prepared By: Print Name: Roy Broom Date/Time Prepared: 08 PDT  14. Date/Time Submitte 08/21/2020 0552 P	<b>3/21/2020 05</b> d:	13. Approved Print Name: <u>C</u> Signature:  15. Primary Location, North Ops	ousty Ma	ne		То:	
	7. County / Par <b>Santa Clara</b>	ish / Borough:	A T			18. Ci Pleas	ty: anton
19. Unit or Other: 20.	Incident Jurisd	iction: 21. Incident <b>CA-SCU</b>	Location	Owners	ship (if differe	ent thai	n jurisdiction):
22. Latitude/Longitude: Latitude: <b>37º 52' 55</b> Longitude: <b>121º 46'</b>	38"	3. US National Grid Re Grid Zone: x-Coordinate: y-Coordinate:			24. Legal Principal Townshi 1/4 Sec:	Meridi p: of 1/4	an: Range: Section: I Sec:
25. Short Location or Ar Multiple locations ac		•	or a refe	rence po	oint):	Z	. UTM Coordinates: one: Easting: orthing:
27. Note any geospatial https://ftp.nifc.gov/ SCU-005772_SCU_Li	public/incider	nt_specific_data/ca					
28. Observed Fire Behav terminology. For non-fir <b>Extreme</b> <b>Long-range Spottin</b>	e incidents, des						

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### **Single Tree Torching**

#### Narrative:

Fire continues to exhibit critical rates of spread. Steep terrain continues to produce rollout which is aiding fire spread. Oak and Conifer trees continue to release due to fire activity threatening control lines and roadways. Limited road access into critical areas of the complex. Overnight humidity recovery is extremely poor, which is allowing for active fire spread throughout the night.

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 submitted on 8-20 for Alameda, Santa Clara, Stanislaus, San Joaquin, Merced, and San Benito counties. Damage assessment is ongoing. 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. There is approximately 20000 structures in the immediate area of the fire. 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:

### SAN JOAQUIN COUNTY:

#### **EVACUATION ORDER**

South of West Corral Hollow Road to Stanislaus county line, West of I-580 to Alameda county line, East of Alameda county line to I-580 and the Stanislaus county line

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

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The PAR Estates and following streets are excluded from the order, but will be in an evacuation warning: W. Vernalis Road, Bernard Drive, Stearman Road, Brichetto Court, Stearman Court, S. Chrisman Road south of I-580, and the Tracy Golf & Country Club (PAR Estates will be under an Evacuation Warning: See Below)

#### **EVACUATION WARNING**

North of West Corral Hollow Road to I-580, East of the Alameda county line to I-580

All of PAR Estates which are the following streets: W. Vernalis Road, Bernard Drive, Stearman Road, Brichetto Court, Stearman Court, S. Chrisman Road south of I-580, and the Tracy Golf & Country Club

#### 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

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

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 the Stanislaus County line

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

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#### of Santa Clara County Line

#### **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

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

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

#### ALAMEDA COUNTY:

#### **EVACUATION ORDER**

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

### STANISLAUS COUNTY:

#### EVACUATION WARNING

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

31. Public Status Summary:

32. Responder Status Summary:

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C. Indicate the Number of C	ivilians (Pub	blic) Below.	;	C. Indicate the Number of Res	ponders L	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	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	7,203	0	7,203	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:	7,205	0	7,205	N. Total # Responders Affected:	2	0	2

33. Life, Safety, and Health Status/Threat Remarks:

Very limited resources assigned to the incident, Steep terrain, and the continued hot, dry and windy conditions will be a concern for fireline personnel. Critically low fuel moistures will continue to contribute to extreme fire behavior. COVID-19 precautions continue to be a high priority for all personnel.

35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):

#### Fire Wx:

The Deer Zone will benefit from higher humidity and cooler temperatures while gusty afternoon west winds continue to test containment lines. Smoke from other fires across the region will continue to shade over the Calaveras and Canyon Zones keeping the inversion in place for much of the day. Temperatures will be near seasonable normals with 80-90 over most of the active fire areas. Humidity will lower to around 15-25% during the afternoon hours. Winds will be West to Northwest and be most in alignment across the Calaveras Zone which will help to push it towards the Canyon Fire. We are expecting humidity values to drop overnight above the inversion layer with values as low as the single digits possible.

Deer Zone: Lows: 65-70 RH: 55%

Winds: West 10-15 gusts 25 mph.

Calaveras Zone: Lows: 65-75 RH: 12-22%

Winds: 5-10 mph gusts 15mph

	Active?
A. No Likely Threat	
B. Potential Future Threat	х
C. Mass Notifications in Progress	х
D. Mass Notifications Completed	
E. No Evacuation(s) Imminent	
F. Planning for Evacuation	х
G. Planning for Shelter-in-Place	
H. Evacuation(s) in Progress	х
I. Shelter-in-Place in Progress	To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
J. Repopulation in Progress	and a second that the description of the
K. Mass Immunization in Progress	
L. Mass Immunization Complete	
M. Quarantine in Progress	Park Tall Secretary and Africa Co. or
N. Area Restriction in Effect	x
O. Road Closure	x
P. Trail Closure	x
Q. Area Closure	х

34. Life, Safety, and Health Threat

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Canyon Zone:	
Lows 67-76	
RH: 11-18%	
Winds: West 5-10 mph	

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:

The fires perimeter is expected to grow when in alignment with topography and the wind and 12 hours: 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.

The fires perimeter is expected to grow when in alignment with topography and the wind and 24 hours: 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.

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Anticipated after 72 hours:

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

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:

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

12 hours: (500kV, 230kV & 115kV lines) in Branches XXV, XV & XVI in the Calaveras and Canyon fire footprints as well as two sub stations that provide power to 11 other states. 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. On 8/19/2020 at approximately 0051 hours a 500Kv line in

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the footprint of the Calaveras fire was impacted due to the fire and is currently out of service. 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. Culture 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. 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 historical sites include: La Vereda del Monte is located in the area, as well as the Second Anza Expedition Anza Party camped in San Antonio Valley April 5, 1776. Commercial grazing, livestock, and Almonds is currently threatened.

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

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

Anticipated after 72 hours:

is currently threatened.

- 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:
  - 16 Golf Strike Teams 21 Type 3 Strike Teams 02 Type 6 Strikes Team 06 Type 1 Strike

12 hours: **Teams** 

- 12 Single Dozers 12 Watertenders 11 Div 16 Type 2 IA Handcrews
- 16 Golf Strike Teams 21 Type 3 Strike Teams 02 Type 6 Strikes Team 06 Type 1 Strike

24 hours: **Teams** 

- 12 Single Dozers 12 Watertenders 11 Div 16 Type 2 IA Handcrews
- 16 Golf Strike Teams 21 Type 3 Strike Teams 02 Type 6 Strikes Team 06 Type 1 Strike

48 hours: **Teams** 

- 12 Single Dozers 12 Watertenders 11 Div 16 Type 2 IA Handcrews
- 16 Golf Strike Teams 21 Type 3 Strike Teams 02 Type 6 Strikes Team 06 Type 1 Strike

72 hours: **Teams** 

12 Single Dozers 12 Watertenders 11 Div 16 Type 2 IA Handcrews

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.

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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 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. 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: 09/12/2020
- 44. Projected Significant Resource Demobilization Start Date:
- 45. Estimated Incident Costs to Date: \$7,137,549.00
- 46. Projected Final Incident Cost Estimate:
- H7. Remarks (or continuation of any blocks above list block number in notation):

An FMAG for this incident has been submitted on 8-20 for Alameda, Santa Clara, Stanislaus, San Joaquin, Merced, and San Benito counties.

FIRE STRATEGY **ACRES** CONTAINMENT 3,000 MARSH 9/16 100 CANYON 100 174866 9/16 RESERVOIR 100 51619 9/16 DEER 100 3.294 8/22 ARROYO 100 189 8/22

Evacuation Centers:

Stanislaus County

Creekside Middle School, Patterson, CA

Ann Sobrato High School & Performing Arts Building 401 Burnett Ave. Morgan Hill, CA 95037

#### 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 ½ of box):

48. Agency or Org		CR1	CR2	CRC	HEL1	HEL3	ENG1	ENG3	DOZR	MCC	MKU	WTDS	50. Ovhd	51. Tot Pers
ge Kashir - I	Rsrc	0	0	0	0	0	0	17	2	0	0	2	nd 23	THE C
C&L	Pers	0	0	0	0	0	0	60	4	0	0	4	28	96
	Rsrc	0	0	3	0	0	0	0	0	0	0	0	7 7 12	1 1/1.2
CA	Pers	0	0	31	0	0	0	0	0	0	0	0	1	32
C4 CD5	Rsrc	11	0	3	0	0	0	49	13	1	1	0	17.1871	
CA-CDF	Pers	220	0	36	0	0	0	197	26	2	11	0	49	541
FC	Rsrc	0	0	0	0	0	0	0	0	0	0	0		
FS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0
050	Rsrc	0	0	0	0	0	35	0	0	0	0	0	1110	
OES	Pers	0	0	0	0	0	140	0	0	0	0	0	1	141
	Rsrc	0	5	0	3	1	0	0	14	0	0	31		
PRI	Pers	0	100	0	6	2	0	0	28	0	0	60	108	304
52. Total Resources		11	5	6	3	1	35	66	29	(a) 1	1	33		1114

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.