Incident: SCU Lightning Complex

Extreme Running

1. Incident Name:	II I TOUTNING	COMPLEY		2.	Incident Number	r: SCU-005740
3. Report Version (check one box): Initial X Update Final	Organization:	ommander(s) & Agen			dent Managemer zation: Type 1 Team	
7. Current Incident Size	(%) Contained or Completed:	9. Incident Type: Wildfire B. Incident Description C. Cause: Unknown D. Fire Suppression Strategy Monitor Confine Point Zone Protection Full Suppression			Complexity	11. Report Time Period: From Date/Time: 08/20/2020 0600 PDT To Date/Time: 08/20/2020 1730 PDT
12. Prepared By: Print Name: Roy Broo	8/20/2020 180	Signature:	Ousty M			
14. Date/Time Submitte 08/20/2020 1735 F		15. Primary Location, North Ops	, Organ	ızatıon	, or Agency Sent	: 10:
	17. County / Paris Santa Clara	sh / Borough:				18. City: Pleasanton
19. Unit or Other: 20.	. Incident Jurisdio	ction: 21. Incident	Locatio	on Owr	nership (if differe	ent than jurisdiction):
22. Latitude/Longitude: Latitude: 37º 52' 55 Longitude: 121º 46'	38" ×	B. US National Grid Re Grid Zone: k-Coordinate: y-Coordinate:	eference	e:	Principal Townshi	Description: Meridian: p: Range: Section: of 1/4 Sec:
25. Short Location or A Multiple locations ac			or a ref	ference	e point):	26. UTM Coordinates: Zone: Easting: Northing:
27. Note any geospatia https://ftp.nifc.gov/ SCU-005772_SCU_Li	public/inciden	t_specific_data/ca	content	t, and !CALF	collection time ir IRE/!2020_Inc	nformation and labels): cidents/CA-
28. Observed Fire Beha terminology, For non-fi						e behavior using accepted ther causal agents):

Incident: SCU Lightning Complex

Long-range Spotting Single Tree Torching

Narrative

Fire continues exhibit critical rates of spread. Steep terrain continue 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

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

Incident: SCU Lightning Complex

line, East of Alameda county line to I-580 and the Stanislaus county line

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.

Incident: SCU Lightning Complex

West of Mines Rd. to Santa Clara County Line East of 3 Springs Rd. and Mt. Hampton Rd. South 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

Incident: SCU Lightning Complex

31. Public Status Summary:				32. Responder Status Summary:			
C. Indicate the Number of <u>Civ</u>	ilians (Pub	olic) Below:		C. Indicate the Number of Res	<u>ponders</u> E	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	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	6,203	0	7,203	H. Evacuated	203	-203	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:	6,203	0	7,205	N. Total # Responders Affected:	205	-203	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

Gusty west winds, warm temperatures and low humidity continued over the Santa Clara Complex today. The west winds continued to test containment lines across the Deer Zone as winds gusted to 25 mph through the afternoon. Earlier clearing allowed the inversion to break across the Calaveras Zone with northwest onshore winds aligning as fires in the Calaveras zones pushed inland towards the Canyon Zone fires. Smoke shaded the Canyon Zone for much of the day but temperatures remained hot and dry. Another night of poor humidity recovery with continued breezy onshore winds.

Deer Zone: Highs: 90-95 RH: 20%

Winds: West 10-15 gusts 25 mph.

Calaveras Zone: Highs: 85 RH: 15-25%

Winds: 5-10 mph gusts 15mph

		Active'
	A. No Likely Threat	
	B. Potential Future Threat	
	C. Mass Notifications in Progress	x
	D. Mass Notifications Completed	
	E. No Evacuation(s) Imminent	
	F. Planning for Evacuation	×
	G. Planning for Shelter-in-Place	X
	H. Evacuation(s) in Progress	x
	I. Shelter-in-Place in Progress	
	J. Repopulation in Progress	
	K, Mass Immunization in Progress	
	L. Mass Immunization Complete	
	M. Quarantine in Progress	
	N. Area Restriction in Effect	X
١	O. Road Closure	X
I	P. Trail Closure	×
	Q. Area Closure	x

Incident: SCU Lightning Complex

Canyon Zone:		
Highs 85-90 RH: 10-18%		
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.

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 48 hours: 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.

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 72 hours: 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.

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 (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

22

Incident: SCU Lightning Complex

500kV substations in the 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, 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. 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 path of the fire spread. These substations also support power as far 24 hours: 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 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 and livestock is currently threatened.

g fi 48 hours:

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 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

Fires are burning in remote places, some of the terrain has little to no fire history with

Incident: SCU Lightning Complex

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 and livestock is currently threatened.

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 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 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 and livestock is currently threatened.

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

12 hours: Teams

72 hours:

- 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.

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

Incident: SCU Lightning Complex

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: 09/16/2020
- 44. Projected Significant Resource Demobilization Start Date:
- 45. Estimated Incident Costs to Date: \$6,122,535.00
- 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 submitted on 8-20 for Alameda, Santa Clara, Stanislaus, San Joaquin, Merced, and San Benito counties.

CONTAINMENT FIRE STRATEGY ACRES MARSH 100 3.000 9/16 CANYON 100 120200 9/16 9/16 RESERVOIR 100 31085 3,000 8/22 DEER 100 8/22 ARROYO 100 190

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

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):

48.	CR1	CR2	CRC	HEL1	HEL3	ENG1	ENG3	DOZR	MCC	MKU	WTDS		51.	
Agency or												Ovhd	Tot	

Incident: SCU Lightning Complex

Org														Pers
	Rsrc	0	0	0	0	0	0	17	2	0	0	2		
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		
CA	Pers	0	0	31	0	0	0	0	0	0	0	0	1	32
	Rsrc	11	0	3	0	0	0	49	13	1	1	0		
CA-CDF	Pers	220	0	36	0	0	0	197	26	2	11	0	49	541
	Rsrc	0	0	0	0	0	0	0	0	0	0	0	en anno anno anno an	
FS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rsrc	0	. 0	0	0	0	35	0	0	0	0	0	***************************************	www.
OES	Pers	o	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	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.