


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"): 368671 Acres	8a. Percent (%) Contained or Completed: 35 %	9. Incident Type: Wildfire B. Incident Description: C. Cause: Unknown D. Fire Suppression Strategy:	
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %		
		10. Incident Complexity Level: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Complex	11. Report Time Period: From Date/Time: 08/26/2020 1800 PDT To Date/Time: 08/27/2020 0530 PDT
12. Prepared By: Print Name: Roy Broomfield (SITL) Date/Time Prepared: 08/27/2020 0530 PDT		13. Approved By: Print Name: Dusty Martin (DPIC) Signature: 	
14. Date/Time Submitted: 08/27/2020 0548 PDT	15. Primary Location, Organization, or Agency Sent To: North Ops		
16. State: CA	17. County / Parish / Borough: Stanislaus	18. City: Pleasanton	
19. Unit or Other:	20. Incident Jurisdiction:	21. Incident Location Ownership (if different than jurisdiction): CA-SCU	
22. Latitude/Longitude: Latitude: 37° 24' 30" Longitude: 121° 26' 7"	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/ https://www.fire.ca.gov/incidents/2020/8/18/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): Active			

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**Uphill Runs
Spotting
Backing**

Narrative:
Dry air above 2,000' allowed for continued fire activity throughout the evening. Heavy material down in the steep drainage continued to burn down. Fire activity below 2,000' was held in check by higher humidity values after midnight. Rolling material from fire weakened tress continues to be an issue, as well as tree/branch release.

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 one major fire and are broken into two branches, Branch I and II. 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 at Fires Edge**

**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.
Current orders for communities:
Current Warnings for communities: south of Vallecitos Rd, Wetmore, South of Tesla Rd
Calaveras Rd, Canyon Reservoir Area
Re population in Progress for: Sheridan Rd, Mill Creek, Mission Blvd, North of Corral Hollow**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	20,000	6	20
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	17

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Potential Evacuations: 124,172

SANTA CLARA COUNTY

Planning for Potential Evacuations

Unincorporated area of San Martin

Evacuations in progress affecting 2755 persons:

Lower Thomas Grade, Coyote Creek.

Current warnings for unincorporated area of San Martin and East of Hwy 101, Holiday Lake

Estates, Shingle Valley Rd, Quimby Rd, Hamilton Rd, Hwy 130 from Quimby to Calveras

Reservoir, Eagle View Dr, Half Rd, Coyote Creek.

Current Order: East of Anderson Lake, Henry Coe state park, San Felipe, HWY 130 north of Grant

Rd, Ed Levine Park, East and North of HWY 152,

Current Re Population: Peet Rd to Coyote Creek

Potential Evacuations: 7203

SAN BENITO COUNTY

Evacuations in progress: NONE.

Current warnings: NONE.

Current Order: None.

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 South of Corral Hollow Rd, West of I5

Currents orders: Inside Fire Perimeter.

Current Re Population: North of Corral Hollow, Par Estates.

Potential Evacuations: 117

STANISLAUS COUNTY

Evacuations in progress for communities affecting 10 of persons.

Current warnings for communities Diablo Grande Estates, West of I5 from Orestimba Creek north to County line.

Current Orders for Orestimba Creek South

Potential Evacuations: 3133

MERCED COUNTY

Planning for Potential Evacuations in area around Santa Nella and West of I5, affecting 21 of persons.

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<p>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. Potential Evacuations: 21</p> <p>FOR MORE SPECIFIC DETAILS ON EVACUATIONS PLEASE SEE: https://www.fire.ca.gov/incidents/2020/8/18/scu-lightning-complex/</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	0	D. Fatalities	0	0	0
E. With Injuries/Illness	2	0	2	E. With Injuries/Illness	3	0	3
F. Trapped/In Need of Rescue	0	0	0	F. Trapped/In Need of Rescue	0	0	0
G. Missing	0	0	0	G. Missing	0	0	0
H. Evacuated	7,000	0	7,000	H. Evacuated	0	0	0
I. Sheltering in Place	0	0	0	I. Sheltering in Place	0	0	0
J. In Temporary Shelters	0	0	0	J. In Temporary Shelters	0	0	0
K. Have Received Mass Immunizations	0	0	0	K. Have Received Mass Immunizations	0	0	0
L. Require Immunizations	0	0	0	L. Require Immunizations	0	0	0
M. In Quarantine	0	0	0	M. In Quarantine	0	0	0
N. Total # Civilians (Public) Affected:	7,002	0	7,002	N. Total # Responders Affected:	3	0	3

<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): Humidity values stayed dry overnight above the marine layer with values 25-35%. Good recovery slower slopes with low temperatures mid 60s to mid 70s under light winds. The marine layer will be around 2000 feet to start the day and mix out by mid-morning along the lower slopes. Temperatures will trend slightly warmer with drying of humidity especially for elevations</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 style="text-align: center;"></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 style="text-align: center;">X</td> </tr> <tr> <td>E. No Evacuation(s) Imminent</td> <td style="text-align: center;"></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 style="text-align: center;"></td> </tr> <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;"></td> </tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress	X	D. Mass Notifications Completed	X	E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress	X	I. Shelter-in-Place in Progress	
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<p>above 2000 feet. Prevailing wind flow will be westerly which should be favorable on the north end of Branch I in Div Q/R. Southwest winds in Div O/N should be favorable for any burn operations. Smoke should be less than previous days as the coastal fires are less active allowing for better ventilation and afternoon mixing. Gusty West winds will still be of concern afternoon and evening hours in Div M. The biggest weather related threat will continue to be nighttime drying or lowering of humidity.</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>J. Repopulation in Progress</td> <td style="text-align: center;">X</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?	J. Repopulation in Progress	X	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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<p>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:</p>
<p>12 hours: The fire will continue to expand due to the nighttime drying and winds surfacing. Major areas of concern are the southern and northern sections.</p>
<p>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.</p>
<p>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.</p>
<p>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.</p>
<p>Anticipated after 72 hours:</p>

<p>37. Strategic Objectives (define planned end-state for incident):</p> <p>Currently the incident is using aerial assets to assist in perimeter updates and operational decisions on the complex.</p> <p>Canyon Zone and Calaveras Zone Keep the fire North of Panoche Rd, Cienega Rd., and San Juan Canyon Rd. Keep the fire West of I-5 Keep the fire South of I 580 Keep the fire East of I-680 and Hwy 101</p> <p>Deer Zone Keep individual fires within current perimeters</p> <p>Protect the numerous structures and critical infrastructure threats with the allotted resources.</p>
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<p>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:</p>
<p>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.</p> <p>12 hours: Threats to Life and Property: Diablo Grande Estates, San Antone, Del Puerto, San Jose, Milpitas, Gilroy, Morgan Hill, San Martin, San Jose, Fremont, Livermore, and Pleasanton. Roughly 60,000 structures at risk and 130,000 people potentially evacuated.</p>

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Threats to Critical Infrastructure:

- Communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC.
- PG&E transmission assets (500kV, 230kV & 115kV lines), two sub stations (500KV). 1 large Natural gas facility. Supplying Northern and Southern Californian power, gas and 11 other states.
- State Water Project is currently threatened, (Gianneli Pumping/Generating Plant, Del Valle Dam) and it serves 27 million people and 750,000 acres of farmland throughout California.
- Alameda County Water District, (5 tanks, 3 reservoirs and related boosters and regulators) and a decommissioned treatment plant. Serves about 357,000 customers in the local area.

Threats to Commercial Facilities:

- Lawrence Livermore Labs (Government Facility)
- Stanford Research Institute (Government Facility)
- Disney Fireworks Manufacturing plant

Threats to Natural Resources:

- Sunol Regional Preserve
- Ohlone Regional Preserve
- Upper Cottonwood creek wildlife area
- Henry Coe State Park

Threats to Endangered Resources:

- Red Legged frog,
- Coastal Horned lizard
- Western Pond turtle
- California Tiger Salamander
- Central California Roach
- Alameda whip snake
- Tule elk.

Threats to Cultural Resources:

- Prehistoric culture sites Like the summer campsite of the Ohlone Indians. Remnants of these structures dating back to 1700s

- Ohlone Indians grinding pedestals.
- Historic barn dating back into the mid 1800s

Threats to Economic Impact: Estimated at 107 million per Ag Commissioner.

- Commercial grazing, agriculture
- Vineyards
- Olives, Almonds
- Adobe Springs is the source for many brands consumable water.

The Economic impact of the listed resources would cause a chain reaction if lost or damaged that would effect not only the California public but many other states.

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.

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24 hours:

Threats to Critical Infrastructure:

- Communications (repeaters) which service the San Jose Area, Pleasanton, Livermore, San Jose and Santa Clara ECC.
- PG&E transmission assets (500kV, 230kV & 115kV lines), two sub stations (500KV). 1 large Natural gas facility. Supplying Northern and Southern Californian power, gas and 11 other states.

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- State Water Project is currently threatened, (Gianneli Pumping/Generating Plant, Del Valle Dam) and it serves 27 million people and 750,000 acres of farmland throughout California.

- Alameda County Water District, (5 tanks, 3 reservoirs and related boosters and regulators) and a decommissioned treatment plant. Serves about 357,000 customers in the local area.

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48 hours: - PG&E transmission assets (500kV, 230kV & 115kV lines), two sub stations (500KV). 1 large Natural gas faculty. Supplying Northern and Southern Californian power, gas and 11 other states.

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- **Disney Fireworks Manufacturing plant**

Threats to Natural Resources:

- Sunol Regional Preserve
- Ohlone Regional Preserve
- Upper Cottonwood creek wildlife area
- Henry Coe State Park

Threats to Endangered Resources:

- Red Legged frog,
- Coastal Horned lizard
- Western Pond turtle
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72 hours:

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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:

	08 Charlie Strike Teams 01 Foxtrot Strike Teams
12 hours:	04 Golf Strike Teams 04 Type 2 Handcrews
	4 Type 1 Helicopters 4 Type 2 Helicopters 21 HEQB
24 hours:	08 Charlie Strike Teams 01 Foxtrot Strike Teams
	04 Golf Strike Teams 04 Type 2 Handcrews
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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 continue to build direct and indirect fireline and using firing operations to control the fire. 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.

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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: **09/03/2020**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$29,250,300.00**

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	Percent contained	ACRES	CONTAINMENT	EST COST
CANYON	100	35	365567 9/3	\$29,066,019	
DEER	100	100	3,104 8/23	\$184,281.	

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

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	21	0	3	2	0	0	3
	Pers	0	0	0	0	0	84	72	0	6	4	0	0	5	28	199

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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	5	6	3	0	0	0	113	0	0	16	1	1	0		
	Pers	96	120	36	0	0	0	455	0	0	32	2	11	0	227	979
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
MT	Rsrc	0	0	0	0	0	4	2	0	2	0	0	0	0		
	Pers	0	0	0	0	0	22	11	0	8	0	0	0	0	0	41
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	36	176
PRI	Rsrc	0	5	0	3	4	0	0	0	0	24	0	0	38		
	Pers	0	100	0	6	10	0	0	0	0	43	0	0	72	108	339
TX	Rsrc	0	0	0	0	0	0	10	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	44	0	0	0	0	0	0	0	44
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		5	12	6	3	4	61	150	4	18	42	1	1	41		1903

53. Additional Cooperating and Assisting Organizations Not Listed Above:

Alameda County FD / SO / Animal Services, Atwater City FD / City Manager, CA Dept of Water Resources, CA Dept of Corrections and Rehabilitation, Cal OES, CA Conservation Corps, CA Dept Parks & Recreation, CHP, San Jose City FD / PD, Contra Costa County FPD / SO / OES, DLA San Joaquin County FD, Dos Palos PD / City Manager, East Bay Regional Park, East Contra Costa FD, Fremont City FD / PD / Mayor, Gustine City PD / City Manager, Hollister/San Benito County FD, Livermore-Pleasanton FD / PD, Livingston City Manager, Los Banos FD / PD, Merced City FD, Merced County Fire / SO / Sheriff Animal Services / OES, Milpitas FD / PD, Morgan Hill PD, PG&E, Pleasanton PD, San Benito County SO, San Francisco Water Department, San Joaquin County SO, San Jose FD, San Jose Water Company, San Ramon Valley FD, Santa Clara County FD / SO / Animal Control / Parks, Santa Clara Valley Water District, SF Water Department, South San Joaquin County Fire Authority, Stanislaus County Consolidated FD / SO / OES, Tracy PD, Turlock Irrigation District