



**THOMAS FIRE INCIDENT
SANTA BARBARA COUNTY
DRAFT CONTINGENCY PLAN
FOR
MULTI DAY POWER OUTAGE
December 2017**

Situation Summary

Santa Barbara County South Coast Electrical Supply

Electrical service to the Santa Barbara South Coast Communities is provided by the Southern California Edison Company (SCE). Electricity is delivered to the South Coast via two 220 kilovolt (kV) transmission lines and three 66 kV sub-transmission lines coming from the Ventura County area. The South Coast is the end of the circuit with no backup facilities or resources for electrical service.

Thomas Fire

The Thomas Fire began burning December 4, 2017 in Ventura County. Within a few hours, the fire impacted the primary 220 kV lines serving Santa Barbara and Ventura counties. Santa Barbara County experienced a power outage that lasted several hours and impacted 83,000 customers. On December 5, 2017 Governor Brown declared a State of Emergency for Ventura County. On December 7, 2017 Governor Brown extended the State of Emergency to include Santa Barbara County. On December 8, 2017 President Trump proclaimed a Presidential Declaration of Emergency for the Thomas Fire. Later on December 8, 2017 the Santa Barbara County Director of Emergency Services proclaimed a local emergency for Santa Barbara County.

As of December 20, 2017, the Thomas Fire has burned 272,000 acres. Up to this point Santa Barbara County has experienced numerous temporary power outages caused by the Thomas Fire-related smoke, ash, and fire impacts along the 220 kV transmission line corridor. The Thomas Fire also damaged three 66 kV sub-transmission lines, further threatening electricity reliability to the region. With the on-going threat of Thomas Fire activity along the 220 kV lines transmission corridor and damage to the 66kV sub-transmission lines, there is a possibility of a long term power outage that could impact the South Coast Communities.

Areas of Concern

The areas of concern include the Santa Barbara County South Coast Communities serviced by SCE. These communities include the largest designated urbanized area in the county, including the cities of Santa Barbara, Goleta, and Carpinteria and unincorporated areas including Summerland, Montecito, Toro Canyon, Mission Canyon, Eastern Goleta Valley, Isla Vista, and the Gaviota Coast.

Potentially Affected Population

The potentially affected population within the South Coast Communities served by SCE include:

- 200,000 people potentially affected by a power outage; and
- 85,000 meters potentially affected by a power outage.

Objectives

- Provide for the safety of the public, agency employees, vendor personnel and first responders
- Ensure that firefighting efforts are uninterrupted from a power outage
- Protect the continuity of critical processes and essential facilities with the installation of temporary power generation
- Ensure a fuel distribution plan is developed that is implementable and provides for continuous operation of the generators
- Ensure that Emergency Shelters and Evacuation Centers are included in the Plan as a priority
- Include in the Contingency Plan continuous support of cellular and internet service providers
- Develop a component of the Contingency Plan that includes timely and accurate public messaging
- Maintain close coordination and communication between all affected public agencies, incident management, and SCE for the activation of the Contingency Plan
- Focus on the coordination with law enforcement to maintain accountability of the portable generators and the protection of the public

Decision Point and Outage Policy Group

In the event that there is a sustained area wide electrical outage that is estimated to be over 6 hours, the Emergency Operation Center (EOC) will facilitate an Outage Policy Group meeting either in person or by conference call. The responsibility of the Outage Policy Group would be to recommend to the Director of Emergency Services whether to implement all or part of this Contingency Plan.

The Outage Policy Group will be comprised of:

- Director of Emergency Services
- Director of Office of Emergency Management
- Emergency Operations Center Director
- Management and Section Coordinators
- Southern California Edison Agency Representative (AREP)
- Southern California Edison Business Resiliency Duty Manager (BRDM)
- County Health Officer
- Director of General Services
- Director of Public Works
- Red Cross Agency Representative (AREP)
- Director of Social Services
- Impacted City Managers and UC Santa Barbara Emergency Manager

Critical Facilities and Equipment

Critical facilities are those facilities where public harm will occur if there is a short term or long term power outage. Most of these facilities have back-up generation and are identified in both SCE and County lists. Other critical facilities may not have back-up generation. This Contingency Plan includes a list of facilities that requires the installation of back-up generators. The County has provided SCE with a list of 37 critical facilities that will need point back-up generation in the event of a power outage. 2 of these facilities were the most critical that they have back-up generation that a generators were pre-staged at the location. The other facilities listed are in three categories of importance:

Critical facilities and equipment are divided into 3 categories as follows:

Priority 1: Portable generation within 18 hours – 14 facilities (2 have pre-stage generators)

Priority 2: Portable generation within 24 hours – 16 facilities

Priority 3: Portable generation within 24 hours – 7 facilities

Response Process

Actions to Take

- 1. Activate the EOC to a Level 3 (Highest) Activation**
- 2. Notify Operational Area**
 - A. Use OEM Duty Officer Notification Process / Conference Call Activation
- 3. Access and Functional Needs (A&FN) Population:**
 - A. Establish an A&FN transportation plan to transport electrical dependent people
 - B. Staging area with a Staging Manager
 - C. Order Transport vehicles – 2 ambulance, 2 Easy-Lift vehicles
 - D. Personnel to check the welfare of people - 5 Medical Corps or Public Health nurses (with vehicles)
 - E. Transport to Medical Shelter or regular shelter as needed
- 4. Establish staging area at the following locations:**
 - A. Santa Barbara SCE Service Center for Fuel tenders, Generators and COWs
- 5. Determine the need for shelters/warming centers**
 - A. Request UCSB for medical shelter
- 6. Utilize predesignated sites for warming center**
 - A. Activate the public health nurses
 - B. Notify all jurisdictions in the operation area
 - C. Notify special districts
 - D. Order resources including the following:
 1. Generators to match the power load recommendations (see list)
 2. 8 diesel fuel tenders, 2000 gallon, can pump fuel
 3. 4 gasoline fuel tenders, 2000 gallon, can pump fuel
 4. 2 of COWs from each provider
 5. 12 recharging stations for cell phones, both County provided and cell service provider trailers
 6. 2 Cal OES OASIS communication trailers
 7. 3 Cal OES trailers, 6 MIGU's, 1 Flyaway kit
 8. Federal Mobile Emergency Response Vehicle (MERS)
- 7. Issue press release in conjunction with SCE to include the following information:**
 - A. "If you have power conserve electricity"
 - B. "Conserve water"
 - C. Other safety measures
 - D. Share situation with public
 - E. Do NOT use candles
 - F. Do NOT use a BBQ to heat your home; could result in carbon monoxide poisoning

- G. Use text message
- H. Other as needed

8. Notify County employees on actions to take on reporting to work

Note: Santa Maria Offices and other north county areas not effected by outage

- A. Order agency representatives from cellular companies

9. Activate ARES, CERT, and VOAD as necessary

10. Implement Re-Fueling for Generators and Emergency Vehicles

Response Action Process

Task	Responsibility
Coordinate the identified need with SCE and Order Generators	EOC Director and General Services Branch Director
Coordinate the Staging Area for Generators with SCE	General Services Branch Director
Establish a Staging Area for Fuel Tenders	General Services Branch Director
Determine the need for shelters/warming centers	EOC Director
Determine the need for medical shelters	County Health Officer
Coordinate with SCE for Medical Baseline Customer List	EOC Director
Activate the Public Health nurses	County Health Officer
Notify Special Districts	EOC Director
Notify all jurisdictions in the Operation Area	EOC Director
Identify Amount and Order Diesel Fuel Tenders	General Services Branch Director
Identify Amount and Order Gasoline Fuel Tenders	General Services Branch Director
Order COWs	General Services Branch Director
Order OASIS communication trailers and other Cal OES / Federal aid resources	General Services Branch Director
Develop External Messaging	Public Information Officer
Develop Internal Messaging	Public Information Officer
Determine the need for recharging stations for cell phones (vendor & County provided)	General Services Branch Director
Order Cell Phone Service Provider AREPs	EOC Director
Build and Distribute Contact List	General Services Branch Director

Industry Standard Generator Sizes

20 kW	175 kW	500 kW
30 kW	200 kW	750 kW
36 kW	250 kW	1000 kW
56kW	300 kW	1500 kW
100 kW	320 kW	2000 kW
120 kW	350 kW	
150 kW	450 kW	

Shelter Information

The following pre-identified shelters should be considered for use in providing shelter to displaced individuals during an extended outage. They are known to Red Cross, EOC Mass Care and Shelter staff, and Public Health officials. Which one's that will be selected is a decision that will be made at the time based upon the needs and number of displaced individuals and whether they have on-going medical issues like the need for electrically operated supplemental oxygen concentrators/generators.

1. UCSB Recreation Center, Building 516 (one facility, two buildings): It had a 200 kW diesel generator with a 2 day fuel supply.
 - Main Gym – 295 beds
 - Pavilion Gym- 300 beds
2. UCSB Multi-Activity Center (MAC), Building 511 (one large area): It also has a 200 kW diesel generator with a 2 day fuel supply.
 - 460 beds (or 150 medical beds)
3. UCSB Event Center, (The Thunderdome), Building 505: **This is the preferred location to house displaced persons with medical needs** (e.g. on electrically facilitated oxygen delivery, diminished ambulation, etc.). It has an on-site 450kW diesel generator and 7 hours of fuel). This generator feeds two buildings. UCSB can add/augment the generator capacity with an additional portable 400 kW diesel generator which has a two day fuel supply.
 - 550 beds (or 365 medical beds)
4. UCSB Robertson Gym, Building 533: No generator
 - 609 beds
5. Santa Barbara City College Gymnasium/Sports Pavilion, 721 Cliff Drive, Santa Barbara: SBCC has a trailer mounted 60 kW diesel generator that can be brought to this location to provided corded supply into the building (but not supply it through the building's electrical system). It has a 20 hour fuel supply, but they don't have the necessary cords.
 - 313 beds (or 208 medical)
6. Page Youth Center, 4550 Hollister, Goleta: No showers or generator.
 - 373 beds (or 256 medical)
7. San Marcos High School, 4750 Hollister, Santa Barbara: No generator.
 - 265 beds (or 176 medical)
8. Santa Barbara High School, 700 E. Anapamu, Santa Barbara: No generator.
 - 310 beds (or 208 medical)

9. Carrillo Rec Center and Gym, 100 & 102 E. Carrillo, Santa Barbara: No generator, limited parking.
 - 290 beds

Prioritization Lists and Map

<<SLIP SHEET FOR 11X17 TABLE>>

The Multi-Day Power Outage Contingency Plan was established to ensure protection of the community during a multi-day power outage. The expectation is the County of Santa Barbara Operational Area and Southern California Edison (SCE) will work together in the implementation of this plan to both protect the SCE customers, and to ensure the overall health and safety of the communities. In addition to working diligently to restore power, SCE will make a full effort to provide emergency portable electrical power to the critical facilities identified in the Priority Lists. The County will make a full effort to coordinate the overall protection of the public's health and safety. Together, SCE and the County are committed to working together to mitigate the impacts of a multi-day power outage.

County of Santa Barbara EOC Director

Date

Southern California Edison
EOC Incident Commander

Date